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**Foreign  
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Center**

# **Handbook of Economic Statistics 1980**

**A Research Aid**

*ER 80-10452  
October 1980*

JK

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**National  
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# Handbook of Economic Statistics 1980

## **A Research Aid**

*Research for this report was completed  
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**Handbook of  
Economic Statistics, 1980**

*unclassified information here LDCs  
Add Greece to EC*

**Purpose and Scope**

The *Handbook of Economic Statistics, 1980*, provides statistics for selected non-Communist countries and ~~of~~ the Communist countries.

*most of the*  
In general, the data in the *Handbook* are for 1960, 1965, 1970, and 1973-79. Data for the Communist and non-Communist countries have been adjusted, when necessary, to achieve comparability and therefore may differ from data presented in the original sources. Footnotes have been used liberally to give definitions, exceptions, and methodology. The base year for average annual rates of growth is the year prior to the stated period.

**Rounding of the Totals**

The totals have been rounded, with some exceptions, to three significant digits. Because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

**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 one-half of the final unit employed for each table.

**Sources**

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

**Terms**

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, North Korea, Vietnam, Albania, Cuba, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Ireland, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany. The term *developed countries* includes the European Community, Austria, Finland, Greece, Iceland, Israel, Liechtenstein, Portugal, Malta, Norway, Spain, Sweden, Switzerland, Turkey, Australia, Canada, Japan, New Zealand, the Republic of South Africa, and the United States. The term *Organization for Economic Cooperation and Development (OECD)* includes Greece, Portugal, Spain, Turkey, and all the developed countries, except Liechtenstein, Malta, Israel, and the Republic of South Africa.

The ~~Big~~ Six includes Canada, France, Italy, Japan, the United Kingdom, and West Germany. The Big Seven includes the United States and the Big Six.

Except for economic and military aid data, the term *less developed countries* includes the following (1) all independent countries of Africa except the Republic of South Africa; (2) all independent countries of East Asia except Japan; (3) all independent countries in Latin America except Cuba; and (4) all independent countries in the Middle East and South Asia, except Israel and Turkey. Except for Cyprus no country in either eastern or western Europe is in the LDC grouping. Except for Hong Kong, no territory that is a possession, trust, or protectorate is included in the LDC grouping.

The definition of *less developed countries* for economic and military aid conforms to that used by the Development Assistance Committee of the OECD and other aid agencies and includes the following non-Communist countries (1) all independent countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Hong Kong and Japan, (3) Malta, Portugal, and Spain in Europe, (4) all independent countries in Latin America, except Cuba, and (5) all countries in the Middle East and South Asia.

Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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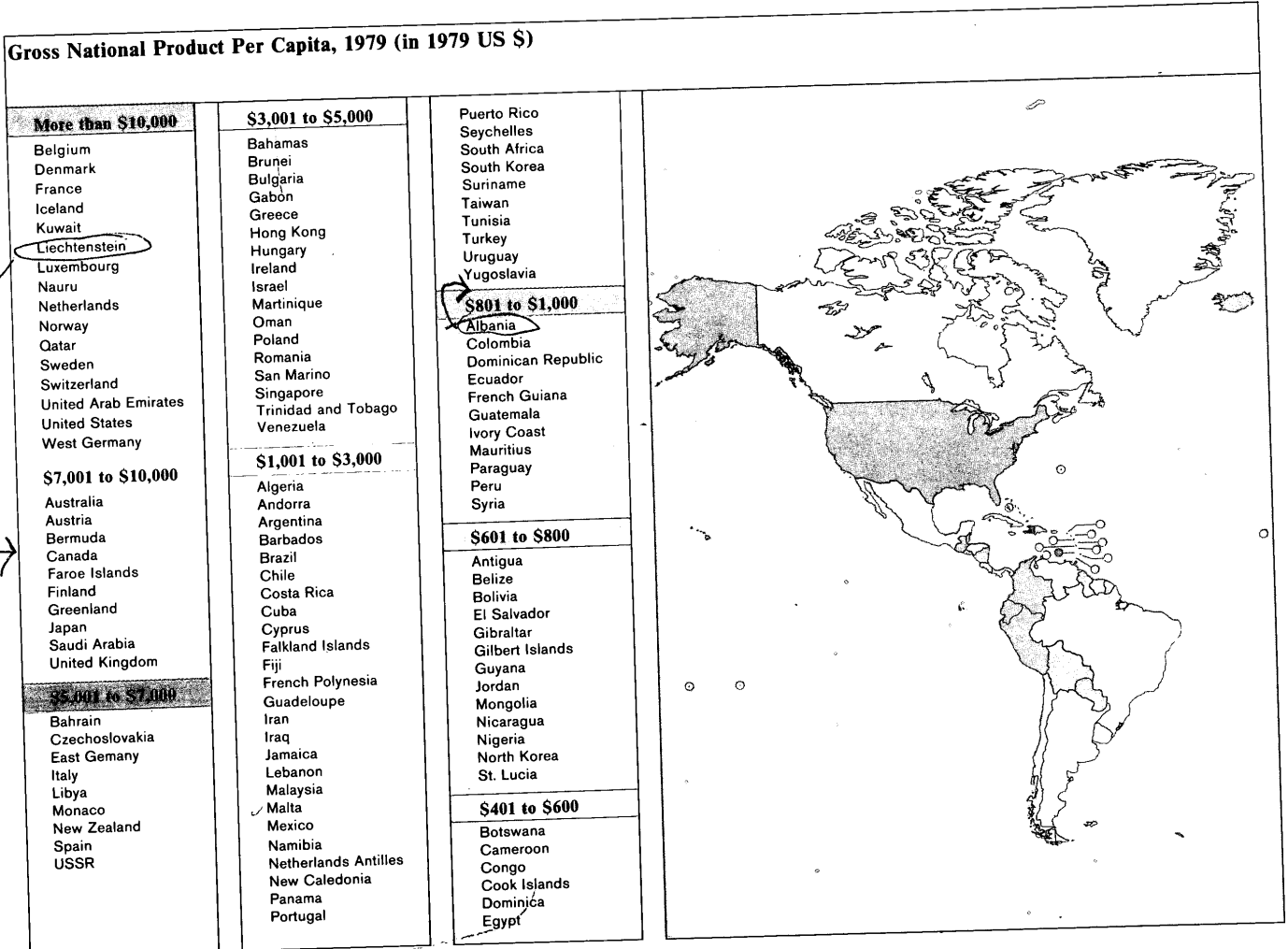
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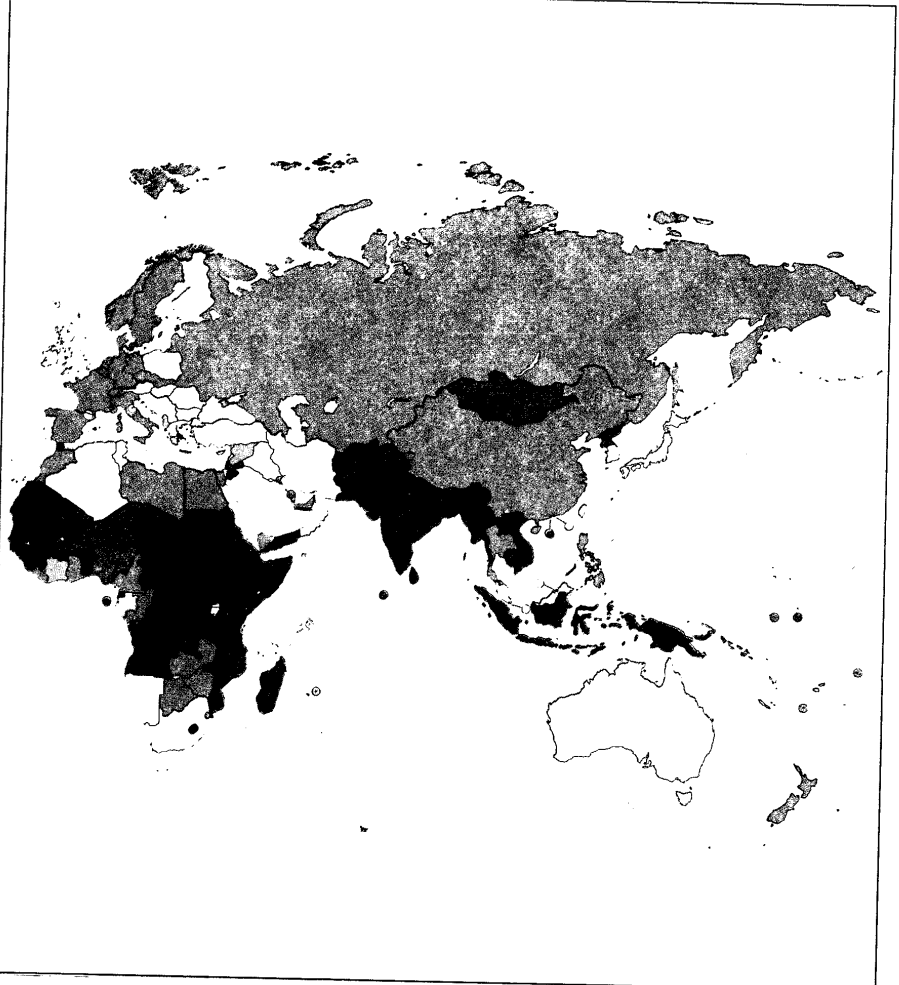
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Ghana  
Grenada  
Honduras  
Liberia  
Morocco  
North Yemen  
Peoples' Republic  
of China  
Philippines  
St. Christopher-Nevis-  
Anguilla  
Swaziland  
Thailand  
Tonga  
Western Samoa  
Zambia  
Zimbabwe

Angola  
Benin  
Djibouti  
Equatorial Guinea  
The Gambia  
Guinea  
Guinea-Bissau  
Haiti  
Indonesia  
Kenya  
Lesotho  
Macao  
Madagascar  
Mauritania  
Pakistan  
Papua-New Guinea  
St. Vincent  
Sao Tome/Principe  
Senegal  
Sierra Leone  
South Yemen  
Sri Lanka  
Sudan  
Togo  
Uganda  
Western Sahara

Afghanistan  
Bangladesh  
Bhutan  
Burma  
Burundi  
Cape Verde Islands  
Central African  
Republic  
Chad  
Ethiopia  
India  
Kampuchea  
Laos  
Laos  
Malawi  
Maldives  
Mali  
Mozambique  
Nepal  
Niger  
Rwanda  
Somalia  
Tanzania  
Upper Volta  
Vietnam  
Zaire



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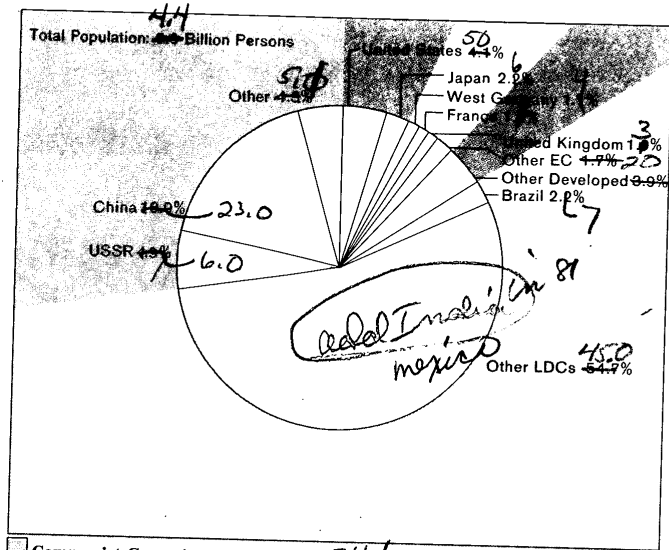
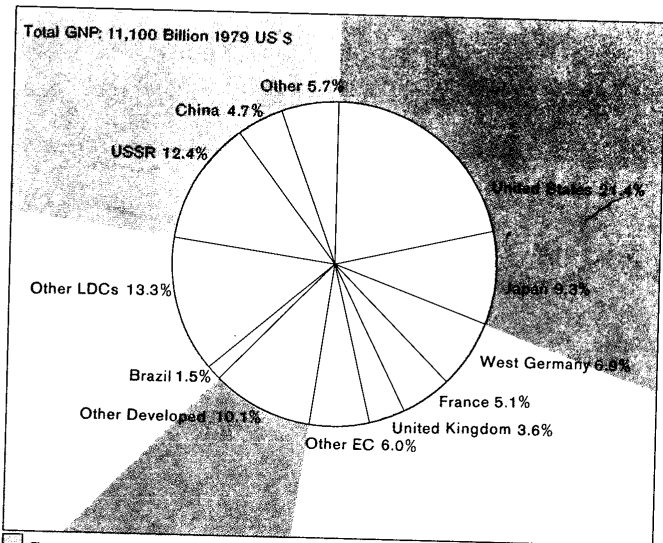
**Graphic Summary**

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Figure 1

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World Gross National Product and Population, 1979



Communist Countries	22.8%
Developed Countries	62.4%
Less Developed Countries	14.8%
European Community	21.6%

Communist Countries	29.1%	34.1
Developed Countries	15.0%	18.2
Less Developed Countries	56.9%	47.7
European Community	4.0%	5.9

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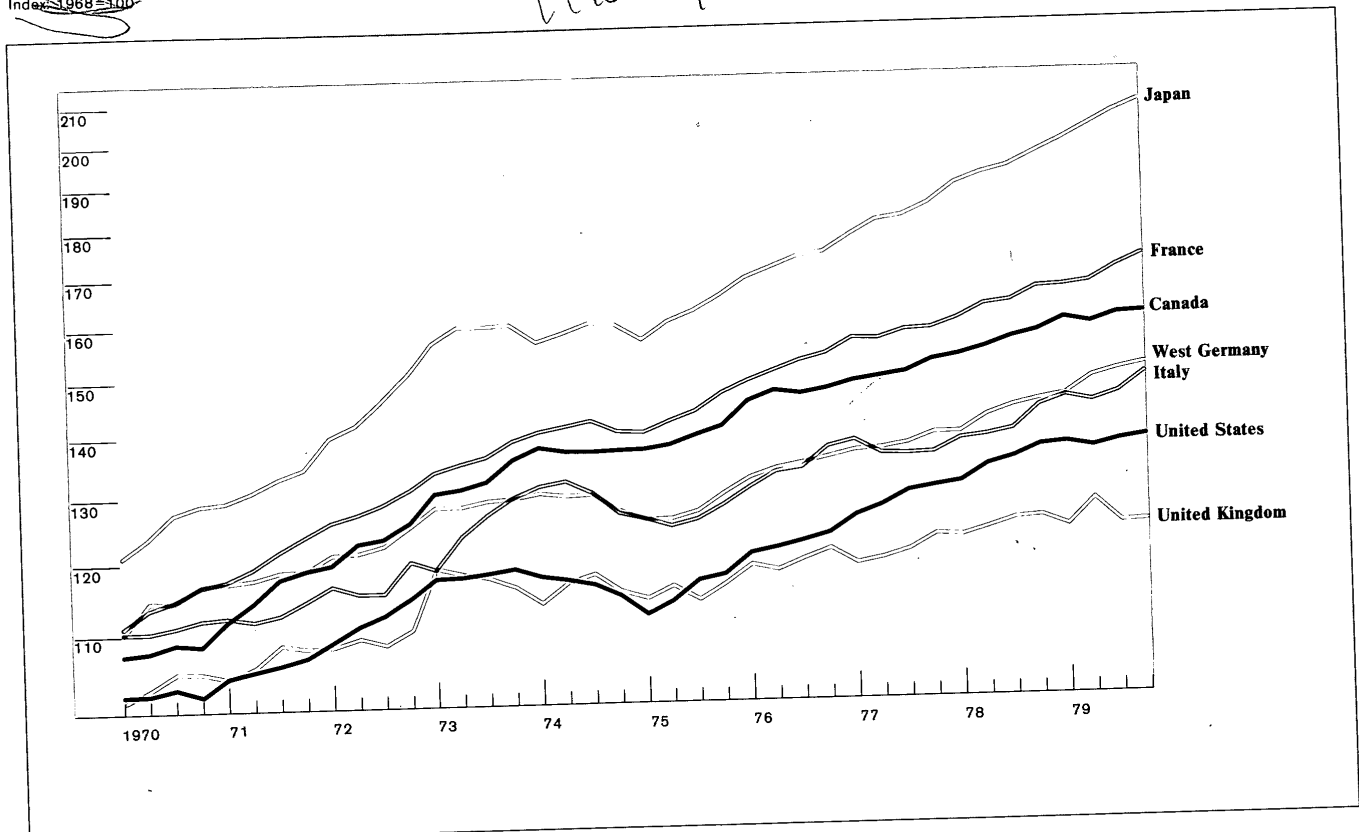
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Figure 2

Big Seven: Real Gross National Product  
Index 1968=100

1970 = 100



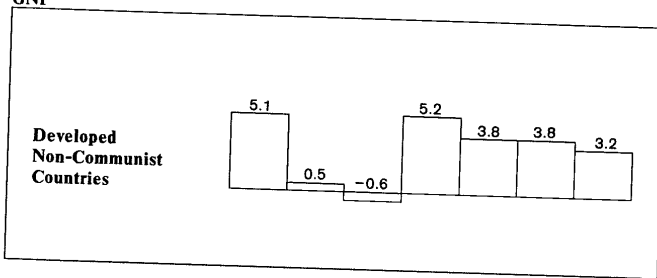
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Figure 3

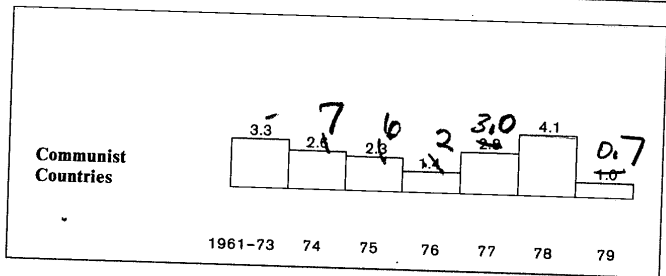
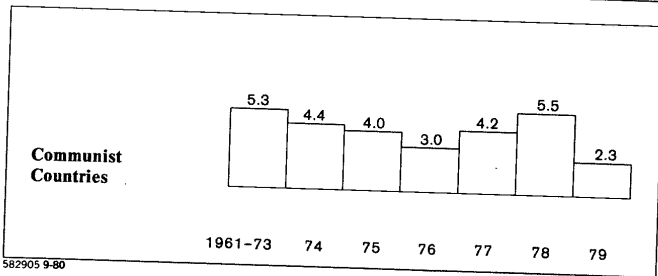
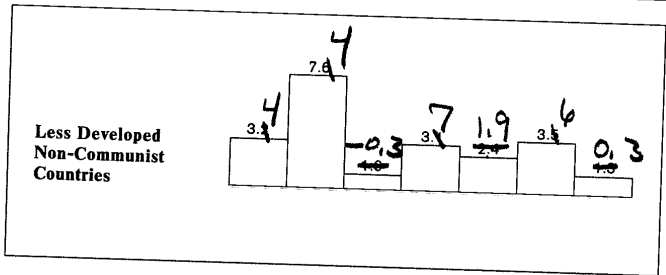
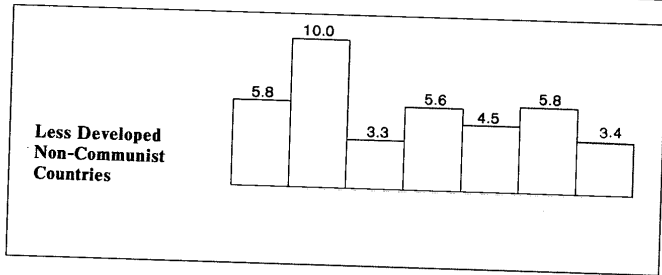
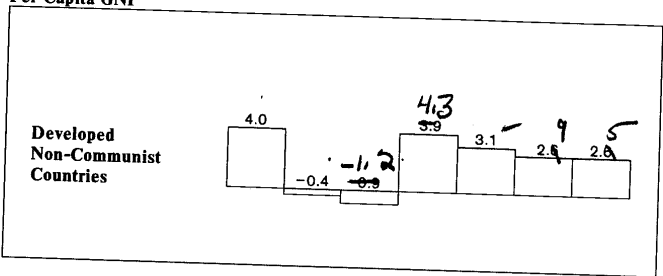
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**Real Gross National Product Trends**  
Average Annual Rate of Growth (Percent)

GNP



Per Capita GNP



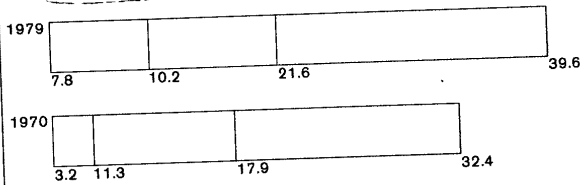
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Figure 4

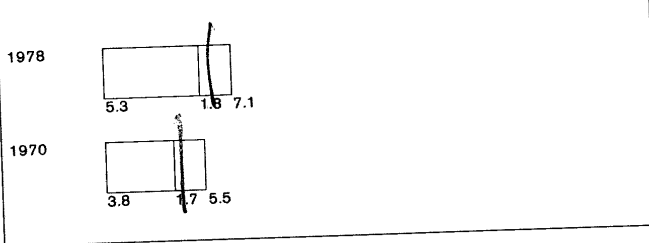
**Oil Dependency as a Share of Total Primary Energy Demand**  
 Million b/d oil equivalents

**United States**

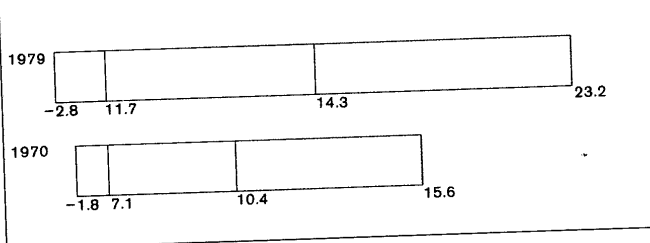
Note change in scale for United States.



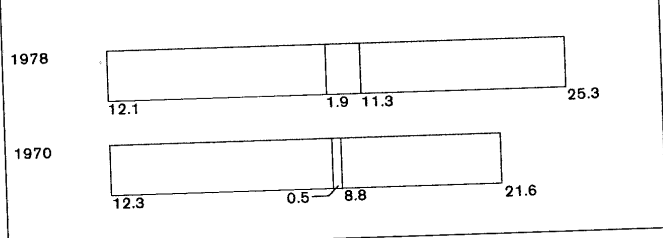
**Japan**



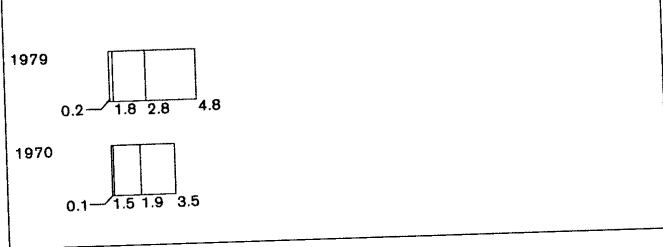
**USSR**



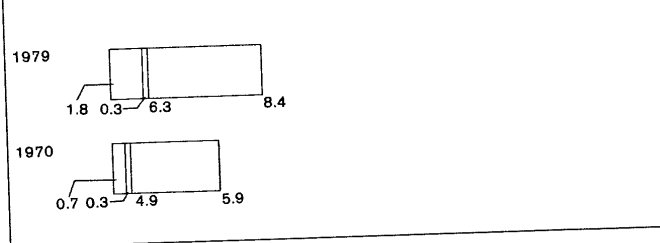
**OECD Europe**



**Canada**



**Eastern Europe<sup>1</sup>**

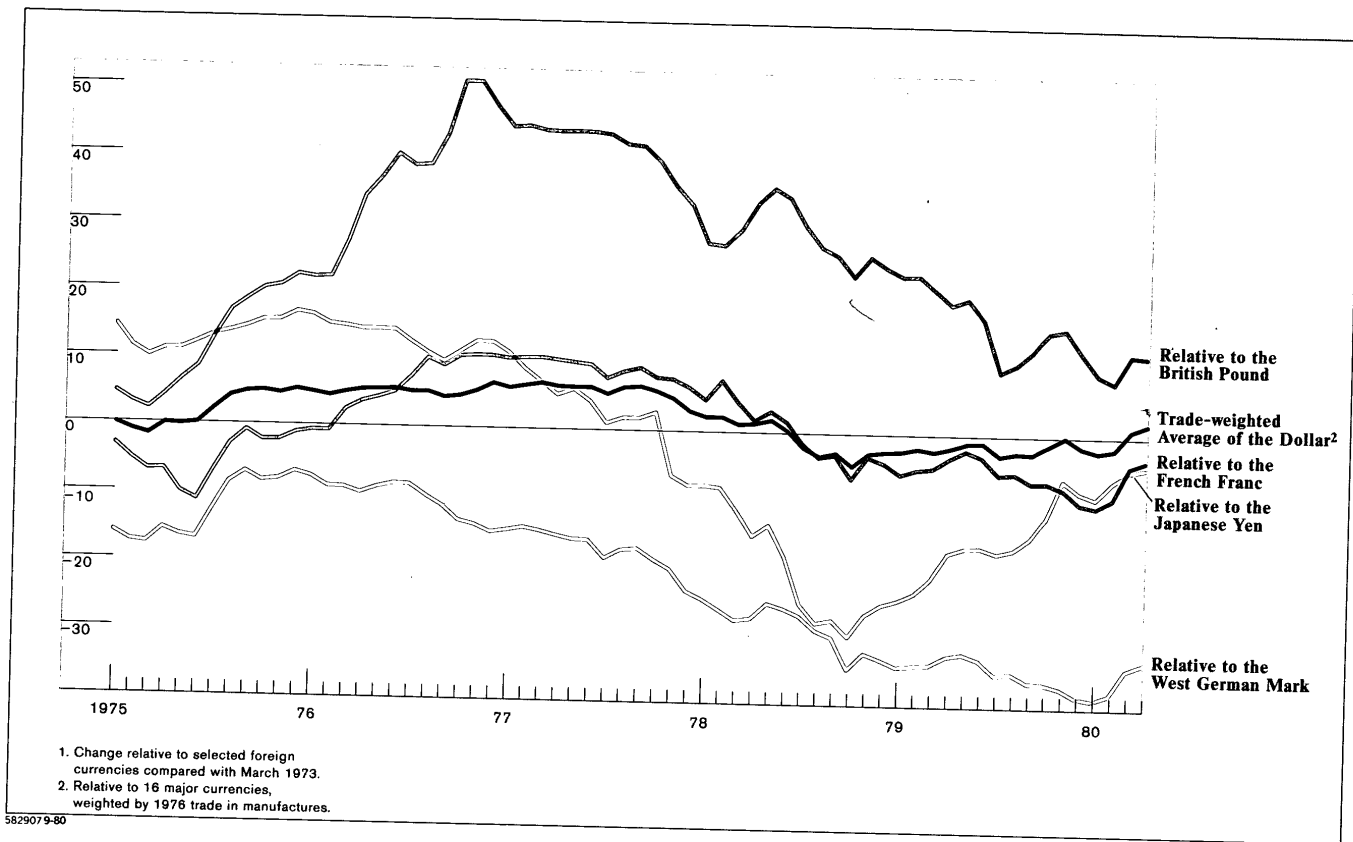


1. Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania.  
 2. Including natural gas, coal, hydroelectricity, and nuclear energy.  
 3. Including natural gas liquids.  
 582906 9-80

Oil demand:  
 Net oil imports  
 Other<sup>2</sup>  
 Domestic oil production<sup>3</sup>

1960  
 1970  
 1980

**Figure 5** Percent Change in the Value of the US Dollar<sup>1</sup>

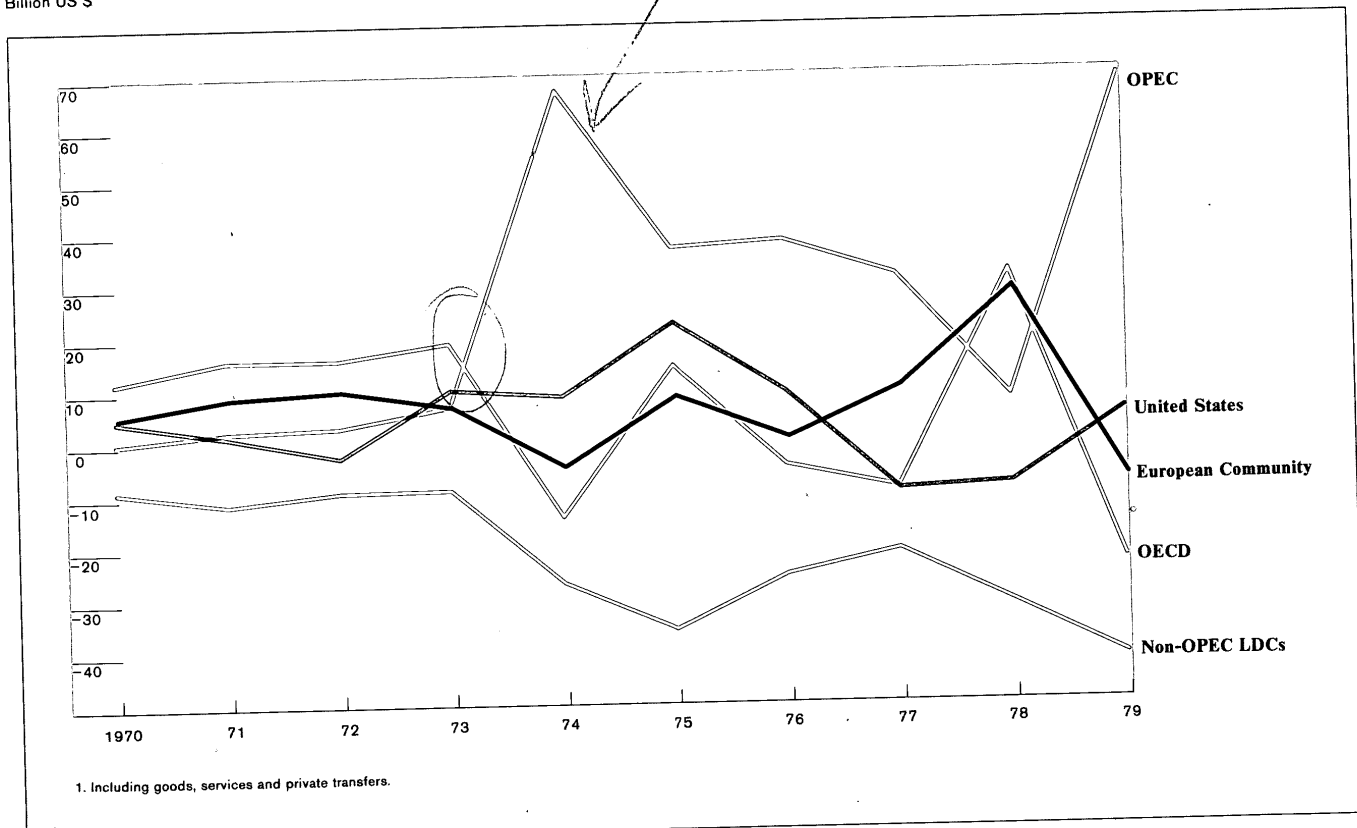


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Figure 6

**Current Account Balances<sup>1</sup>**  
Billion US \$

*Color 100*

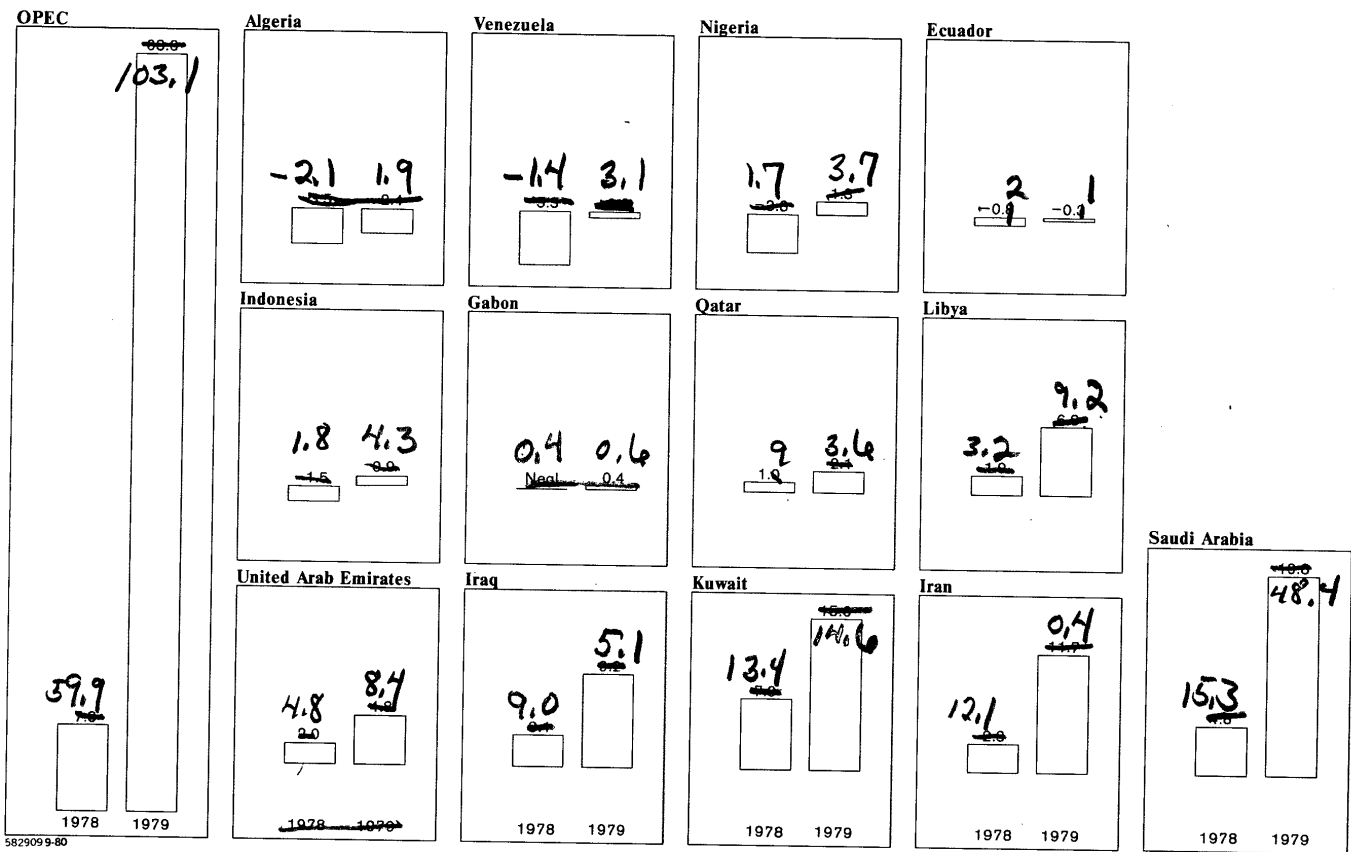


1. Including goods, services and private transfers.

582908 9-80

Figure 7 Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP07-00617R000200270001-1

OPEC Countries: Estimated Current Account Balances  
Billion US \$



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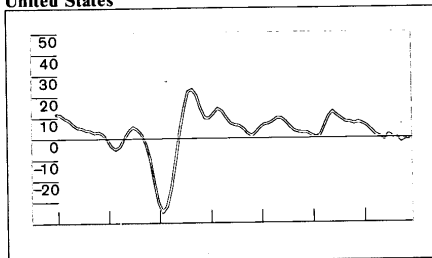
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Figure 8

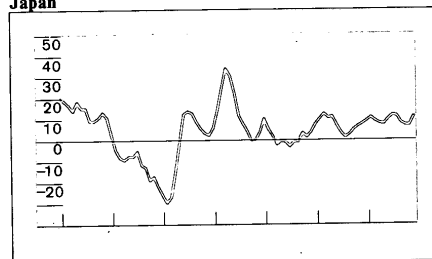
**Big Seven: Industrial Production Growth**

Percent Change. Three month moving average, at an annual rate, seasonally adjusted.

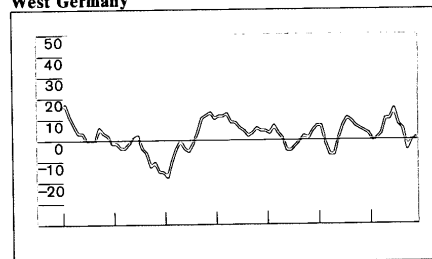
**United States**



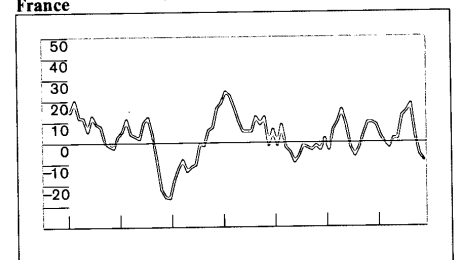
**Japan**



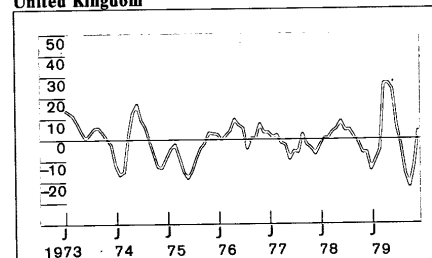
**West Germany**



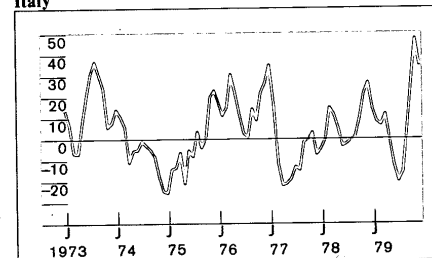
**France**



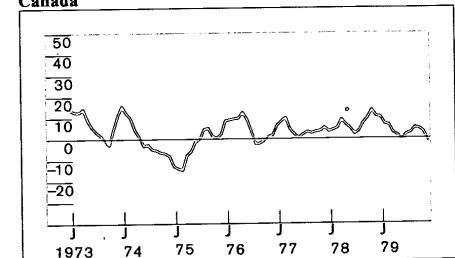
**United Kingdom**



**Italy**



**Canada**

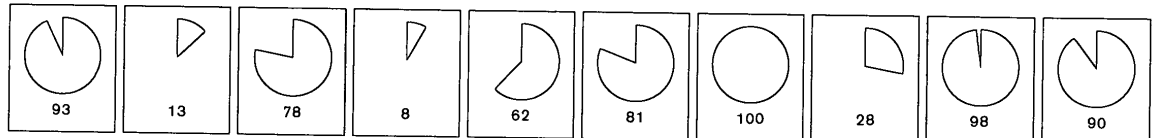


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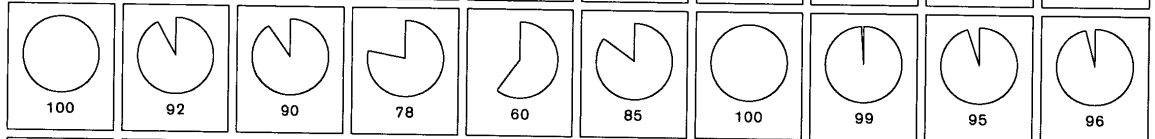
Figure 9

**Minerals and Metals: Imports as a Share of Consumption, 1979**  
Percent

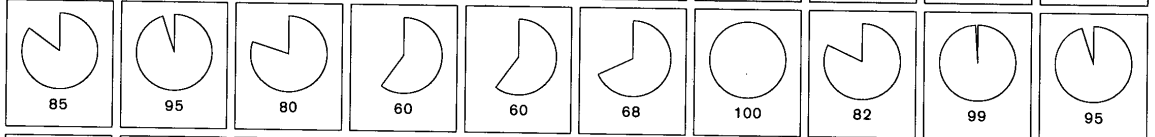
United States



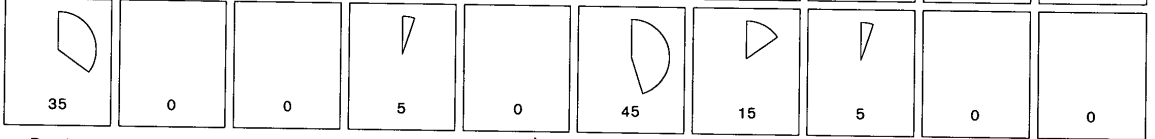
Japan



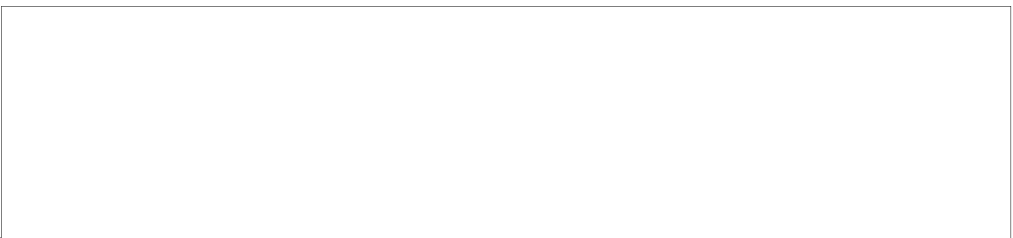
European Community



USSR and Eastern Europe



Bauxite    Copper    Nickel    Lead    Zinc    Tin    Cobalt    Iron Ore    Manganese    Chromium



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Table 1

## Economic Profile: Developed Countries, 1979

	United States	Canada	Japan	European Community					
				Total	France	Italy	Netherlands	United Kingdom	West Germany
<b>Aggregative data</b>									
<b>Population</b>									
Million persons at midyear	220.6	23.7	115.9	260.1	53.5	56.7	14.0	55.9	61.3
Percent change from 1977	0.9	0.9	0.9	0.2	0.4	Negl.	0.7	Negl.	Negl.
<b>Gross national product</b>									
Billion 1979 US \$ <sup>1</sup>	2,368.8	219.3	1,030.2	2,390	569.9	318.9	152.1	394.3	759.8
Percent real growth in 1979	2.3	2.8	6.0	3.1	3.0	4.0	3.3	0.5	4.3
Per capita (1979 US \$)	10,740	9,250	8,890	9,190	10,650	5,620	10,860	7,050	12,400
Industrial production (percent growth in 1979)	4.1	5.5	8.4	N.A.	4.0	6.5	2.8	0.5	5.0
<b>Industry</b>									
Primary energy (million b/d oil equivalent)	32.1	5.2	1.1	9.9	1.0	0.5	1.7	4.1	2.4
Electricity (billion kilowatt-hours)	2,432	360	512	1,250	241	180	64	300	374
Crude steel (million metric tons)	123.3	15.9	111.7	139	23.3	24.0	5.8	21.5	45.0
Cement (million metric tons)	75.3	10.5	87.8	136	28.8	39.7	3.7	16.1	35.5
<b>Trade and international reserves</b>									
Exports, f.o.b. (billion US \$)	181.6 <sup>2</sup>	58.2	102.3	577.5	100.7	72.2	63.7	91.0	171.9
Imports, c.i.f. (billion US \$)	218.9	56.8	109.8	604.6	107.0	78.0	68.2	102.9	159.7
Trade balance (billion US \$)	-37.3	1.4	-7.5	-27.0	-6.3	-5.7	-4.5	-11.9	12.2
International reserves (billion US \$)	20.0	3.9	20.6	142	21.4	21.2	9.6	20.7	56.9
<b>Indicators of living standards</b>									
Grain production (kilograms per capita)	1,332	1,460	140	430	800	310	86	300	360
Meat production (kilograms per capita)	114	97	24	78	91	54	135	51	76
Automobile registrations <sup>3</sup> (units per thousand persons)	528	411	184	307	332	300	286	258	353
Energy consumption (barrels oil equivalent per capita) <sup>3</sup>	62	68	23	N.A.	27	18	39	28	33
Consumer price index (percent growth in 1979)	11.3	9.1	3.6	N.A.	10.6	15.7	4.4	13.4	4.1
Telephones in use <sup>4</sup> (units per thousand persons)	742	617	441	353	329	284	418	415	374

<sup>1</sup> Data were converted from national currencies at average 1979

Par Rate/Market Rate factors.

<sup>2</sup> Excluding Department of Defense shipments.<sup>3</sup> Data are for 1978.<sup>4</sup> Data are for 1977.

Table 2

## Economic Profile: Communist Countries, 1979

	Eastern Europe									
	USSR	Total	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland	Romania	China	Yugoslavia
Aggregate data										
Population										
Million persons at midyear	263.4	108.6	8.8	15.2	16.7	10.7	35.2	22.0	1,012.2	22.2
Percent change from 1978	0.8	0.5	Negl.	0.7	-0.6	Negl.	0.9	0.9	1.5	0.9
Gross national product <sup>1</sup>										
Billion 1979 US \$	1,374.8 <sup>2</sup>	426	26.7	76.6	89.1	35.7	119.1	78.9	517.0	64.4
Percent real growth in 1979	0.7 <sup>2</sup>	1.8	2.6	0.7	2.3	1.3	-0.1	4.5	7.0	7.0
Per capita (1979 US \$)	5,220	3,920	3,030	5,040	5,340	3,340	3,380	3,590	510	2,900
Industrial production (percent growth in 1979)	2.0	2.7	4.1	1.5	2.3	2.4	0.6	6.1	8.3	7.7
Industry										
Primary energy (million b/d oil equivalent)	26.3	6.4	0.2	1.0	1.2	0.3	2.7	1.1	8.7	0.5
Electricity (billion kilowatt-hours)	1,239	405	33	68	97	25	117	65	282	54
Crude steel (million metric tons)	149.0	60.3	2.5	14.8	7.0	3.9	19.2	12.9	34.4	3.5
Cement (million metric tons)	123.0	67.1	5.4	10.3	12.5	4.9	19.2	14.8	73.9	9.1
Trade										
Exports (billion US \$)	64.9	77.9	9.0	13.9	17.3	11.1	16.8	9.7	13.4	6.5
Imports (billion US \$)	58.0	83.0	8.6	14.4	19.2	11.9	18.1	10.9	14.9	12.9
Trade balance (billion US \$)	7.0	-5.1	0.4	-0.5	-1.8	-0.8	-1.2	-1.2	-1.5	-6.4
Indicators of living standards										
Grain production (kilograms per capita)	680	690	960	610	520	1,130	490	880	330	700
Meat production (kilograms per capita)	59	98	87	102	109	146	92	76	N.A.	65
Automobile registrations (units per thousand persons) <sup>3</sup>	25	71	55	130	143	71	52	10	N.A.	97
Energy consumption (barrels oil equivalent per capita) <sup>3</sup>	82	74.27	74	96.85	102.37	55.20	67.25	60.22	N.A.	32.12
Telephones in use (units per thousand persons) <sup>3</sup>	79	115	120	196	178	101	88	59	N.A.	78

<sup>1</sup> Data were converted at US purchasing power equivalents.<sup>2</sup> Data are at factor costs.<sup>3</sup> Data are for 1978.

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Table 3

**Economic Profile: Organization of Petroleum  
Exporting Countries, 1979**

	Algeria	Ecuador	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela
<b>Aggregative data</b>													
<b>Population</b>													
Million persons at midyear	18.2	7.8	0.6	148.1	37.6	12.9	1.3	2.9	74.6	0.2	6.5	0.9	14.5
Percent increase from 1978	3.4	3.0	1.7	2.1	3.0	3.4	5.9	4.1	3.3	3.2	3.2	N.A.	3.3
<b>Gross national product</b>													
Billion 1979 US \$	30.0	8.6	2.9	51.0	81.3	35.2	23.5	20.0	56.0	5.0	75.1	21.0	47.4
Percent real growth in 1979	10.0	5.0	-2.0	5.0	-24.0	2.7	16.0	N.A.	5.5	5.0	7.6	1.0	4.0
Per capita (1979 US \$)	1,650	1,100	4,830	340	2,160	2,730	18,100	6,900	750	25,000	11,550	23,330	3,270
<b>Industry</b>													
Crude oil production (thousand b/d)	1,135	215	205	1,590	3,035	3,435	2,500 <sup>1</sup>	2,065	2,305	505	9,530	1,835	2,355
Share of oil in GNP (percent)	30	N.A.	34	10	36	63	75	80	32	75	57	80	N.A.
<b>Trade and international reserves</b>													
Exports f.o.b. (million US \$)	8,198	1,516 <sup>2</sup>	1,729	15,590	19,001	21,449	17,480	15,236	17,801	3,588	59,334	13,493	14,158
Government oil revenues (million US \$)	4,800 <sup>2</sup>	213 <sup>2</sup>	615	5,350	18,733 <sup>2</sup>	22,000	16,700	N.A.	11,300	3,600	58,000	12,100	5,800 <sup>2</sup>
Oil exports (thousand b/d)	1,025	155	185	1,225	2,465	3,250	2,494	1,985	2,135	505	9,368	1,805	2,070
Imports c.i.f. (million US \$)	8,100	1,583 <sup>2</sup>	569	7,202	9,739	6,312	5,360	7,898	9,692	1,184 <sup>2</sup>	27,736	6,952	10,400
United States (million US \$)	404	696	32	1,044	1,019	442	764	468	632	138	4,875	667	3,931
European Community (million US \$)	5,253	579	382 <sup>2</sup>	1,100	3,139	3,615	1,900	4,644 <sup>2</sup>	4,029	572	8,818 <sup>2</sup>	2,461	1,903
Japan (million US \$)	343 <sup>2</sup>	202	17	2,100	927	1,600	879 <sup>2</sup>	545	801	241	3,803	1,039	778
International reserves <sup>3</sup> (million US \$)	2,915	786	21	4,075	15,389	6,996 <sup>4</sup>	2,989	6,458	5,576	225 <sup>2</sup>	19,485	1,458	7,813

<sup>1</sup> Including about one-half of Neutral Zone production.<sup>2</sup> Data are for 1978.<sup>3</sup> Including gold valued at SDR 35 per ounce.<sup>4</sup> Data are for 1977.

*Current Account Balance*

Table 4

Economic Profile: Selected Less Developed Countries, 1979

*China (Taiwan)*

	Africa				Asia					Latin America					Middle East and South Asia				
	Ivory Coast	Kenya	Morocco	Zaire	Hong Kong	Malaysia	Philippines	South Korea	Taiwan	Argentina	Brazil	Chile	Colombia	Mexico	Peru	Egypt	India	Pakistan	Syria
<b>Aggregative data</b>																			
<b>Population</b>																			
Million persons at midyear	7.5	15.4	19.8	27.9	4.7	13.3	47.7	39.1	17.4	26.8	119.2	10.8	26.1	65.8	17.3	41.0	667.3	80.2	8.4
Percent increase from 1978	2.7	3.6	3.0	2.9	1.9	2.8	2.2	1.7	1.8	1.3	2.8	1.5	2.2	2.8	2.8	2.7	2.0	3.0	3.3
<b>Gross national product</b>																			
Billion 1979 US \$	8.8	5.4	15.2	4.7	17.6	19.3	29.2	61.1	25.9	63.1	224.0	17.1	18.5 <sup>1</sup>	120.1 <sup>2</sup>	11.4	16.2	119.8 <sup>3</sup>	21.1	8.5
Percent real growth in 1979	5.2	4.0	3.0	-1.0	11.0	8.3	5.7	7.1	7.4	8.5	6.5	6.8	5.0 <sup>1</sup>	8.0	1.6	8.6	-2.5	5.9	3.0
Per capita (1979 US \$)	1,170	350	770	170	3,740	1,450	620	1,550	1,490	2,350	1,800	1,580	720 <sup>1</sup>	1,820	660	400	180	260	1,010
<b>Industry</b>																			
Electricity production (billion kilowatt-hours)	1.5	1.4 <sup>1</sup>	4.4	4.0 <sup>1</sup>	10.2	8.0	15.8	35.6	38.8	33.0	98.5	11.5	18.8 <sup>1</sup>	59.1	8.5	17.7	106.0 <sup>4</sup>	13.5 <sup>1</sup>	2.7
<b>Agriculture</b>																			
Grain production (million metric tons)	1.0	2.1	4.1	0.7	Neg.	1.7	10.1	8.3	3.8	24.7	30.2	1.8	3.2 <sup>1</sup>	14.7	1.4	7.1	113.2	15.9	2.4 <sup>1</sup>
<b>Trade and international reserves</b>																			
Exports, f.o.b. (million US \$)	2,514	1,090	1,873	1,323	11,273	11,077	4,533	15,055	16,068	6,400 <sup>1</sup>	15,244	3,763	3,381	8,982	3,532	1,840	6,939	2,056	1,644
Imports, c.i.f. (million US \$)	2,491	1,637	3,678	597	17,300	7,854	6,611	20,339	14,781	3,834 <sup>1</sup>	19,677	4,218	4,437	12,086	2,146	3,837	8,800	3,960	3,329
International reserves (million US \$) <sup>5</sup>	149	631	590	219	N.A.	4,013	2,329	2,973	1,578	9,589	9,046	2,009	3,951	2,124	1,574	644	7,829	295	698

<sup>1</sup> Data are for 1978.  
<sup>2</sup> Data are for gross domestic product.  
<sup>3</sup> Data are for the fiscal year beginning 1 April 1978.  
<sup>4</sup> Data are for the fiscal year beginning April 1977 and include data for public utilities only.  
<sup>5</sup> Including gold valued at SDR 35 per ounce.

*literary*  
*Debt Service Ratio*  
*current*  
*class*  
*Balance*

Table 5

Selected World Statistics <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Gross National Product (Billion 1979 US \$)	4,680	6,060	7,750	9,090	9,330	9,430	9,880	10,300	10,700	11,100
Population (Million persons, midyear)	3,060	3,250	3,360	3,520	3,600	3,680	3,760	3,840	3,920	4,000
Exports (Billion US \$)	129.8	189.9	313.1	576.0	840.2	873.8	991.5	1,127.5	1,303.0	1,627.7
Crude oil (Million b/d)	21.0	30.3	45.7	55.8	55.9	53.0	57.4	59.6	60.2	62.4
Natural gas (Trillion cubic feet)	N.A.	24.5	38.1	46.1	46.2	46.4	48.3	50.1	51.7	53.3
Hard coal (Million metric tons)	1,985 <sup>2</sup>	2,034 <sup>2</sup>	2,143	2,185	2,251	2,372	2,434	2,464	2,584	2,646
Brown coal and lignite (Million metric tons)	640	742	793	824	843	863	892	904	917	934
Electricity (Billion kilowatt hours)	2,348	3,412	5,019	6,124	6,309	6,518	6,978	7,289	7,649	7,801
Iron ore (Million metric tons)	522	621	769	846	895	892	895	858	834	864
Bauxite (Million metric tons)	27.6	37.4	57.8	70.4	78.0	75.1	77.6	82.4	81.7	85.0
Pig iron (Million metric tons)	259	335	431	481	514	468	487	483	497	525
Crude steel (Million metric tons)	346	459	594	698	708	651	683	674	712	743
Refined copper (Thousand metric tons)	N.A.	6,157	7,543	8,522	8,904	8,344	8,785	9,105	9,218	9,387
Refined nickel (Thousand metric tons)	N.A.	417	592	654	717	704	735	719	612	674
Primary aluminum (Million metric tons)	4.5	6.3	9.7	12.1	13.2	12.0	12.5	13.7	14.1	14.5
Smelter lead (Thousand metric tons)	2,313	2,641	3,292	3,482	3,500	3,369	3,313	3,410	3,456	3,420
Refined zinc (Thousand metric tons)	3,025	3,949	4,827	5,331	5,463	5,460	5,779	5,983	6,049	6,505
Primary tin metal (Thousand metric tons)	192	200	227	234	228	226	226	225	237	251
Mineral fertilizer <sup>3</sup> (Million metric tons, nutrient content)	N.A.	42.8	66.3	81.8	87.5	93.3	93.4	99.6	105.1	112.8
Nitrogen fertilizer <sup>3</sup> (Million metric tons of N)	N.A.	16.8	30.2	37.8	40.4	42.5	43.9	46.2	49.4	53.8
Phosphate fertilizer <sup>3</sup> (Million metric tons of P <sub>2</sub> O <sub>5</sub> )	N.A.	13.8	19.2	23.8	24.9	27.1	26.1	28.2	30.0	32.5
Potassium fertilizer <sup>3</sup> (Million metric tons of K <sub>2</sub> O)	N.A.	12.1	16.9	20.2	22.2	23.7	23.4	25.2	25.8	26.5
Synthetic fibers (Thousand metric tons)	700	2,050	4,870	7,820	7,680	7,460	8,650	9,060	9,945	10,282
Automobiles (Thousand units)	12,800	19,100	22,500	29,800	25,800	25,220	28,930	30,430	32,380	31,340
Trucks and buses (Thousand units)	3,690	5,220	6,780	9,500	9,290	7,960	9,210	11,430	11,200	10,250
Television receivers (Million units)	19.8	30.0	45.8	54.2	53.5	49.3	56.6	58.0	59.8	58.9
Radio receivers (Million units)	51.8	72.8	107.8	122.5	112.7	101.7	122.0	126.6	114.4	98.0
Grain (Million metric tons)	929	1,010	1,220	1,400	1,360	1,390	1,490	1,470	1,600	1,550
Wheat (Million metric tons)	240	262	319	377	360	355	418	382	439	403
Coarse grain (Million metric tons)	414	441	540	628	607	605	663	668	729	710
Rice (Million metric tons)	162	166	312	329	337	360	350	371	385	369
Potatoes (Million metric tons)	285	285	312	317	295	286	291	293	303	306
Sugar (Million metric tons)	61.4	67.2	76.7	80.7	81.0	85.1	88.8	96.4	95.7	94.1

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	44.2	33.2	68.1	65.1	68.9	68.6	72.1	71.2	72.4	N.A.
Fish catch (Million metric tons)	901	1,070	1,100	1,150	1,180	1,200	1,210	1,210	1,210	1,210
Cattle (Million head)	519	575	594	652	661	655	638	703	736	760
Hogs (Million head)	65.4	73.3	102.0	109.0	115.0	117.0	123.0	128.0	132.0	134.0
Meat (Million metric tons)	315	342	362	380	387	390	397	409	414	418
Milk (Million metric tons)	2,450	2,540	2,840	2,570	2,530	2,650	2,610	2,590	2,630	2,710
Wool (Thousand metric tons)	10.4	12.2	11.8	13.7	14.0	11.8	12.5	13.9	13.0	14.3
Ginned cotton (Million metric tons)	3,338	4,195	5,020	5,764	5,982	5,958	6,999	6,223	6,408	N.A.
Railroad freight (Billion ton-kilometers)	N.A.	N.A.	12,889	17,054	17,955	18,940	19,651	19,940	19,969	20,408
Fishing fleet inventory (Number)	N.A.	N.A.	7,804	10,275	10,683	11,339	11,849	12,162	12,198	12,270
(Thousand GRT)	17,229	17,825	19,503	21,600	21,755	22,353	22,884	24,102	24,036	24,155
Merchant fleet inventory (Number)	171.6	214.1	325.1	446.4	502.7	556.4	596.9	628.8	633.4	641.3
(Million DWT)	3,371	3,533	4,119	4,813	4,988	5,177	4,311	5,503	5,363	5,342
Tanker fleet inventory (Number)	63.7	89.6	152.4	220.5	261.4	301.7	319.6	389.5	381.5	382.1
(Million DWT)										

<sup>1</sup> For more detailed descriptions and definitions, refer to the respective table. Unless otherwise indicated data include China.

<sup>2</sup> Including brown coal at its hard coal equivalent.

<sup>3</sup> Fertilizer year ending 30 June of the stated year.

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*Handwritten:* T added ?

*Handwritten:* Total

*Handwritten:* Wagon Index

*Handwritten:* Coffee

*Handwritten:* Cement

*Handwritten:* Vehicle in use

*Handwritten:* Ex. Volume of Index

Table 6

## Indicators of Living Standards for the US and USSR

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Food</b>										
Grain production <sup>1</sup> (kilograms per capita)										
United States <sup>2</sup>	1,003	944	911	1,129	965	1,164	1,196	1,209	1,249	1,332
USSR <sup>3</sup>	586	524	769	891	776	551	871	756	908	680
Meat production <sup>4</sup> (kilograms per capita)										
United States	71	74	110	105	112	108	116	117	115	114
USSR	41	43	51	54	58	59	53	57	59	59
Persons supplied per farm worker										
United States	26	35	45	48	48	49	49	52	56	56
USSR	5	6	6	7	7	7	7	8	8	8
<b>Housing</b>										
Housing construction (square meters per capita)										
United States	0.80	0.82	0.74	1.14	0.93	0.76	0.82	0.99	1.07	1.06
USSR	0.51	0.42	0.44	0.44	0.44	0.43	0.41	0.42	0.41	0.39
<b>Transportation</b>										
Passenger automobile production (units per hundred persons)										
United States <sup>5</sup>	3.69	4.79	3.20	4.59	3.46	3.14	3.95	4.24	4.19	3.82
USSR	0.06	0.09	0.14	0.37	0.44	0.47	0.48	0.49	0.50	0.50
<b>Household equipment</b>										
Washing machine production (units per thousand persons)										
United States <sup>5</sup>	18	22	20	26	23	20	21	23	23	23
USSR	4	15	22	12	12	13	14	14	14	14
Washing machines in use <sup>6</sup> (units per thousand persons)										
United States <sup>7</sup>	158	170	194	224	229	238	248	256	267	278
USSR	13	59	141	173	181	189	195	200	203	205
Refrigerator production (units per thousand persons)										
United States <sup>5</sup>	19	25	26	32	28	21	22	26	27	26
USSR	2	7	17	22	22	22	23	22	23	23
Refrigerators in use <sup>6</sup> (units per thousand persons)										
United States <sup>7</sup>	281	295	336	330	334	340	344	349	355	359
USSR	10	29	89	142	161	178	194	210	226	240

<sup>1</sup> The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

<sup>2</sup> Excluding corn silage and forage but including sorghum for grain.

<sup>3</sup> Including miscellaneous grains and pulses. Measured in bunker weight, that is gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

<sup>4</sup> Data are on a carcass weight, bone-in basis.

<sup>5</sup> Data are for factory sales and include complete units exported for assembly.

<sup>6</sup> As of the end of the year.

<sup>7</sup> Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

*Delete or map stocks*

Table 7

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Commodity Production of the US and the USSR <sup>1</sup>

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Primary energy (million b/d of oil equivalent)</b>										
US	21.1	24.9	30.8	31.7	30.5	30.2	30.1	30.3	30.8	32.1
USSR	9.3	13.2	17.0	19.6	20.7	21.9	23.2	24.3	25.4	26.3
<b>Crude oil (thousand b/d)</b>										
US	7,055	7,804	9,648	9,210	8,770	8,375	8,130	8,180	8,700	8,535
USSR	2,943	4,835	6,976	8,420	9,020	9,630	10,170	10,700	11,215	11,470
<b>Natural gas (trillion cubic feet)</b>										
US	12.8	16.0	21.9	22.6	21.6	20.1	20.0	20.0	20.0	20.4
USSR	1.6	4.5	7.0	8.3	9.2	10.2	11.3	12.2	13.1	14.4
<b>Hard coal (million metric tons)</b>										
US	391.5	475.3	550.4	530.1	539.3	576.2	598.1	604.7	575.1	668.6
USSR	355.9	397.6	432.7	461.2	473.4	485.0	494.0	503.0	501.0	497.0
<b>Brown coal and lignite (million metric tons)</b>										
US	2.5	4.6	7.2	12.9	14.1	17.7	23.2	27.8	32.8	35.2
USSR	134.2	147.4	144.7	153.5	157.2	160.0	160.0	160.0	163.0	161.0
<b>Electricity (billion kilowatt-hours)</b>										
US	893.7	1,229.6	1,742.7	2,081.2	2,086.3	2,131.0	2,169.7	2,361.7	2,389.9	2,432.5
USSR	292.3	506.7	740.9	914.6	975.8	1,038.6	1,111.4	1,150.1	1,201.9	1,239.0
<b>Iron ore (million metric tons)</b>										
US	90.2	88.8	91.2	89.1	85.7	80.1	80.0	55.8	82.8	86.5
USSR	105.9	153.4	195.5	216.1	224.8	232.8	239.1	239.7	244.2	241.0
<b>Bauxite (thousand metric tons)</b>										
US	2,030	1,680	2,120	1,910	1,980	1,800	1,989	2,013	1,669	1,750
USSR	3,100	5,300	6,700	7,500	7,800	8,000	8,200	8,500	8,800	9,000
<b>Pig iron (million metric tons)</b>										
US	62.2	82.6	82.8	91.9	86.6	72.5	78.8	73.4	79.6	78.9
USSR	46.8	66.2	85.9	95.9	99.9	103.0	105.4	107.4	110.7	109.0
<b>Crude steel (million metric tons)</b>										
US	90.1	119.3	119.3	136.8	132.2	105.8	116.1	113.7	124.3	123.3
USSR	65.3	91.0	115.9	131.5	136.2	141.3	144.7	146.7	151.5	149.0
<b>Refined copper (thousand metric tons)</b>										
US	1,642	1,957	2,065	2,117	1,952	1,622	1,737	1,707	1,869	2,015
USSR	475	700	1,015	1,200	1,250	1,320	1,350	1,400	1,460	1,500



Table 7 (Continued)

Commodity Production of the US and the USSR <sup>1</sup>

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Primary aluminum (thousand metric tons)</b>										
US	1,830	2,500	3,600	4,110	4,450	3,520	3,857	4,117	4,358	4,560
USSR	620	970	1,490	1,890	2,020	2,130	2,220	2,270	2,330	2,410
<b>Lead (thousand metric tons)</b>										
US	347	379	605	612	611	577	592	549	565	576
USSR	300	385	470	510	530	540	560	575	580	585
<b>Refined zinc (thousand metric tons)</b>										
US	788	978	866	604	575	450	515	454	441	525
USSR	360	475	690	780	790	820	840	860	875	890
<b>Gold (million troy ounces)</b>										
US	1.7	1.7	1.7	1.2	1.1	1.0	1.0	1.1	1.0	0.9
USSR	3.6	5.3	7.0	8.0	8.4	8.3	8.9	9.2	9.5	9.9
<b>Synthetic ammonia (million metric tons of N)</b>										
US	3.6	6.6	10.1	11.2	11.7	12.2	12.2	12.4	12.8	13.5
USSR	1.1	3.1	6.3	8.4	9.1	9.9	10.1	10.7	11.5	12.8
<b>Mineral fertilizer (million metric tons, nutrient content)</b>										
US	7.4	11.9	15.8	17.8	17.1	18.2	19.2	19.0	21.0	N.A.
USSR	3.3	7.4	13.1	17.4	19.4	22.0	22.6	23.5	23.7	22.1
<b>Nitrogen fertilizer (million metric tons of N)</b>										
US	2.7	5.1	8.2	9.2	8.5	9.6	9.8	9.5	10.2	N.A.
USSR	1.0	2.7	5.4	7.2	7.9	8.5	8.6	9.1	9.3	9.2
<b>Plastics (million metric tons)</b>										
US	2.8	5.3	9.7	13.7	13.8	10.2	13.3	11.2	12.4	13.9
USSR	0.3	0.8	1.7	2.3	2.5	2.8	3.1	3.3	3.5	3.5
<b>Synthetic rubber (million metric tons)</b>										
US	1.5	1.8	2.2	2.6	2.4	2.0	2.4	2.5	2.6	2.5
USSR	0.3	0.6	0.9	1.2	1.3	1.4	1.6	1.7	1.8	1.9
<b>Woven cotton fabrics</b>										
US (billion linear meters)	8.6	8.4	5.7	4.7	4.3	3.7	4.1	4.0	3.7	3.6
USSR (billion square meters)	4.8	5.5	6.2	6.6	6.6	6.6	6.8	6.8	7.0	7.0
<b>Woven woolen fabrics</b>										
US (million linear meters)	262	244	163	97	73	71	87	94	107	109
USSR (million square meters)	439	466	643	703	724	740	764	773	781	774

Table 7 (Continued) Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP07-00617R000200270001-1

Commodity Production of the US and the USSR <sup>1</sup>

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Turbine production-(million kW)</b>										
US	12.9	15.5	27.6	34.8	38.3	30.5	35.3	30.2	27.9	29.8
USSR	9.2	14.6	16.2	15.1	17.3	18.9	19.6	18.9	19.5	20.0
<b>Grain combines (thousands)</b>										
US	30.2	37.6	21.0	25.2	28.6	31.3	31.7	31.9	31.8	N.A.
USSR	59.0	85.8	99.2	84.8	88.4	97.5	101.7	105.5	113.0	115.0
<b>Tractors (thousands)</b>										
US	178.5	271.8	191.7	236.9	233.8	232.0	213.2	226.3	197.3	222.4
USSR	238.5	354.5	458.5	499.6	531.1	550.4	562.2	569.1	576.1	557.0
<b>Automobiles (millions)</b>										
US	6.7	9.3	6.5	9.7	7.3	6.7	8.5	9.2	9.2	8.4
USSR	0.1	0.2	0.3	0.9	1.1	1.2	1.2	1.3	1.3	1.3
<b>Trucks and buses (millions)</b>										
US	1.2	1.8	1.7	3.0	2.7	2.3	3.0	3.4	3.7	3.0
USSR	0.5	0.4	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.9
<b>Cement (million metric tons)</b>										
US	56.1	65.1	67.4	77.6	73.4	61.8	68.2	71.3	76.2	75.3
USSR	45.5	72.4	95.2	109.5	115.1	122.1	124.2	127.1	127.0	123.0
<b>Timber (million cubic meters)</b>										
US	77.7	84.2	81.5	91.2	82.6	75.7	86.1	89.4	88.9	87.2
USSR	105.6	111.0	116.4	116.2	114.7	116.2	112.6	109.5	106.3	100.0
<b>Grain (million metric tons)</b>										
US	181.3	183.5	186.7	237.6	204.5	248.7	257.4	262.3	273.1	293.7
USSR	125.6	121.1	186.8	222.5	195.7	140.1	223.8	195.7	237.2	179.0
<b>Wheat (million metric tons)</b>										
US	36.9	35.8	36.8	46.6	48.5	57.8	58.3	55.4	49.0	57.5
USSR	64.3	59.7	99.7	109.8	83.9	66.2	96.9	92.2	120.8	90.1
<b>Coarse grain (million metric tons)</b>										
US	141.9	144.2	146.1	186.8	150.9	185.1	193.9	202.4	218.0	229.9
USSR	61.1	60.8	85.8	111.0	109.9	71.9	124.9	101.3	114.3	86.5
<b>Potatoes (million metric tons)</b>										
US	11.7	13.1	14.8	13.6	15.5	14.6	16.2	16.1	16.6	15.8
USSR	84.4	88.7	96.8	108.2	81.0	88.7	85.1	83.6	86.1	90.3

Table 7 (Continued)

Commodity Production of the US and the USSR <sup>1</sup>

Commodity	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Sugar (million metric tons)										
US	3.6	4.9	5.3	5.5	5.1	5.7	6.2	5.7	5.4	5.0
USSR	6.9	12.0	11.1	11.6	10.3	11.3	10.1	13.1	13.3	11.5
Meat (million metric tons)										
US	12.8	14.3	22.5	22.1	23.6	23.0	24.9	25.3	25.2	25.2
USSR	8.7	10.0	12.3	13.5	14.6	15.0	13.6	14.7	15.5	15.5
Milk (million metric tons)										
US	53.7	56.3	53.3	52.4	52.4	52.3	54.6	55.7	55.2	56.1
USSR	61.7	72.6	83.0	88.3	91.8	90.8	89.7	94.9	94.7	93.3
Wool (thousand metric tons)										
US	146	109	85	71	64	59	53	50	46	46
USSR	357	357	419	433	462	467	436	459	467	472
Ginned cotton (thousand metric tons)										
US	3,107	3,260	2,219	2,825	2,513	1,808	2,303	3,133	2,364	3,231
USSR	1,458	1,925	2,343	2,606	2,859	2,674	2,815	2,978	2,890	3,114

<sup>1</sup> For more detailed definitions, exceptions, and methodology refer to the commodity tables.

*Old Machine Presses*

*See genetic material  
dollars  
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Table 8

Telephones in Use <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>										
United States	70.82	88.79	115.22	131.64	138.29	143.97	149.01	155.17	162.08	N.A.
Australia	2.12	2.67	3.60	4.40	4.66	5.00	5.27	5.50	5.84	N.A.
Canada	5.44	7.02	9.30	10.99	11.67	12.45	13.14	13.79	14.51	N.A.
Japan	4.86	12.25	23.13	34.02	38.70	41.90	45.51	48.43	50.63	N.A.
Spain	1.64	2.53	4.13	5.71	6.33	7.04	7.84	8.60	9.53	N.A.
Sweden	2.64	3.39	4.31	4.83	4.98	5.18	5.42	5.67	5.93	N.A.
European Community	24.8	34.6	50.1	64.5	70.2	75.3	79.7	85.5	91.6	N.A.
France	4.08	5.70	8.11	10.34	11.34	12.40	13.83	15.55	17.52	N.A.
Italy	3.52	5.53	8.53	11.35	12.61	13.69	14.50	15.24	16.12	N.A.
Netherlands	1.50	2.18	3.12	4.00	4.32	4.68	5.05	5.41	5.85	N.A.
United Kingdom	7.85	9.96	13.95	17.57	19.10	20.34	21.04	22.01	23.18	N.A.
West Germany	5.52	8.17	12.46	16.52	17.80	18.77	19.60	21.16	22.93	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	8.28	12.0	18.6	23.3	25.5	27.4	29.1	31.4	33.4	N.A.
USSR	4.30	6.40	11.00	14.26	15.78	16.95	18.00	19.60	20.94	N.A.
Eastern Europe	3.98	5.60	7.65	9.08	9.72	10.4	11.1	11.8	12.5	N.A.
Bulgaria	0.17	0.28	0.47	0.64	0.72	0.78	0.85	0.95	1.06	N.A.
Czechoslovakia	1.02	1.49	2.00	2.35	2.48	2.61	2.74	2.86	2.98	N.A.
East Germany	1.29	1.66	2.09	2.33	2.45	2.61	2.75	2.86	2.97	N.A.
Hungary	0.42	0.57	0.78	0.92	0.96	0.99	1.02	1.06	1.08	N.A.
Poland	0.88	1.29	1.87	2.24	2.40	2.58	2.75	2.93	3.10	3.17
Romania <sup>3</sup>	0.20	0.31	0.44	0.60	0.71	0.86	0.98	1.13	1.30	N.A.
<b>Other</b>										
Cuba	0.19	0.23	0.27	0.28	0.29	0.30	0.31	N.A.	N.A.	N.A.
Yugoslavia	0.26	0.42	0.74	1.00	1.14	1.30	1.43	1.56	1.73	N.A.

<sup>1</sup> Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

<sup>2</sup> Data are as of the beginning of the year.

<sup>3</sup> Excluding extension telephones and those connected through a private branch switchboard.

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**Aggregative Trends**

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Billion 1979 US \$

Table 9

Estimated Gross National Product at Market Prices <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
World	4,680	6,060	7,750	9,090	9,330	9,430	9,880	10,300	10,700	11,100
Developed Countries	3,080	3,970	5,050	5,890	5,920	5,900	6,200	6,440	6,680	6,900
United States	1,219.2	1,531.9	1,779.4	2,043.5	2,015.0	1,989.3	2,106.4	2,218.0	2,315.1	2,368.8
Australia	51.6	65.9	87.8	100.6	103.4	105.8	109.8	111.0	113.7	119.1
Canada	89.7	119.0	149.2	181.6	188.0	190.1	200.9	206.3	213.3	219.3
Japan	223.2	358.8	633.3	812.5	804.5	823.8	873.2	920.4	971.9	1,030.2
Spain	66.5	101.1	137.4	169.3	178.3	179.6	183.3	187.7	193.6	196.5
Sweden	56.8	72.5	88.2	92.4	96.3	97.1	98.4	95.8	98.4	102.4
Switzerland	59.4	76.8	92.2	102.1	103.6	96.5	95.2	97.5	97.7	98.0
European Community	1,150	1,450	1,830	2,090	2,120	2,090	2,200	2,250	2,320	2,390
Belgium	51.2	65.8	82.5	96.8	101.3	99.3	104.9	106.3	108.9	112.2
France	232.1	308.4	408.3	480.3	495.7	496.7	521.0	535.6	553.3	569.9
Italy	142.3	184.0	246.6	276.2	287.8	278.0	293.9	298.9	306.6	318.9
Netherlands	68.9	88.1	113.7	129.7	134.2	132.9	139.9	143.8	147.3	152.1
United Kingdom	247.9	291.1	326.1	370.7	365.2	361.6	375.0	379.9	392.4	394.3
West Germany <sup>2</sup>	363.6	466.9	586.7	658.7	662.0	648.3	684.7	703.8	728.5	759.8
Less Developed Countries	573 <sup>1</sup>	766	992	1,200	1,320	1,360	1,440	1,500	1,590	1,640
Communist Countries	1,030	1,320	1,700	2,000	2,090	2,180	2,240	2,340	2,470	2,520
USSR and Eastern Europe	794	1,020	1,290	1,490	1,550	1,600	1,660	1,720	1,790	1,800
USSR <sup>3</sup>	588.9	773.4	988.7	1,141.7	1,191.4	1,226.9	1,272.8	1,312.1	1,366.3	1,374.8
Eastern Europe <sup>4</sup>	205	247	297	345	361	376	392	406	419	426
Bulgaria	11.1	15.3	19.7	22.1	22.8	24.7	25.7	25.4	26.0	26.7
Czechoslovakia	45.7	50.5	59.7	66.2	68.4	70.5	71.6	75.0	76.0	76.6
East Germany	50.4	58.1	67.8	73.9	77.4	80.4	82.1	85.0	87.0	89.1
Hungary	19.9	23.7	27.5	30.9	31.7	32.3	32.3	34.3	35.3	35.7
Poland	53.0	64.3	78.3	96.6	102.4	107.3	111.6	114.8	119.2	119.1
Romania	24.7	34.7	44.1	55.4	58.4	61.0	68.8	71.3	75.5	78.9
China	158.8	201.6	285.7	360.8	374.6	400.9	400.0	432.8	482.9	517.0
North Korea	3.8	6.0	7.9	10.8	12.1	13.0	12.6	12.6	13.5	14.1
Other Countries	22.0	29.6	38.0	44.8	48.4	50.2	52.3	56.4	60.2	64.4
Yugoslavia										

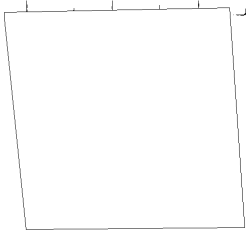
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<sup>1</sup> Data for the non-Communal currencies by using the 1979 Par Rate/Market Rate factors.   
 Including data for West Berlin.

<sup>2</sup> See footnote 1 of Table 11 for an explanation of the data. Figures for 1965, 1975-77 are from I. Edwards, M. Hughes, J. Noren, "US and USSR: Comparisons of GNP," in US Congress, Joint Economic Committee, *The Soviet Economy in a Time of Change* (Washington, D.C., 1979). Data for other years were derived by moving 1976 Soviet GNP in dollars (geometric mean) through time by indexes of Soviet GNP in 1976 established ruble prices. This shortcut procedure gives results that are quite close to those obtained through the more complex procedures used for the benchmark years of the study—1955, 1965, 1975, 77. A detailed discussion

of the procedures used in 1979 US dollars is available in the study cited above.

<sup>3</sup> The dollar values of gross national product are not official figures. They are estimates based on Western concepts and procedures, which compare as closely as possible to values published by Western countries. Estimates of GNP in domestic prices were converted at US purchasing power equivalent and extended to 1979 by means of the US official deflator for GNP. For additional information, see T. P. Alton, "Comparative Structure and Growth of Economic Activity in Eastern Europe," in US Congress, Joint Economic Committee, *East European Economics Post-Helsinki: A Compendium of Papers* (Washington, D.C., 1977).



**Table 10**

Index: 1970=100

**Gross National Product Price Deflators**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	75.2	81.3	100.0	115.8	127.0	139.2	146.4	155.1	166.4	181.1
Canada	74.4	81.6	100.0	118.3	136.3	150.9	165.6	177.2	188.5	207.1
Japan	62.4	79.4	100.0	122.2	146.0	158.6	167.4	176.9	185.1	188.5
European Community <sup>1</sup>										
France	65.7	81.0	100.0	121.3	135.3	154.0	169.1	182.8	200.6	225.7
Italy	64.0	84.2	100.0	126.7	148.0	174.1	202.0	248.3	281.3	323.8
United Kingdom	66.1	78.6	100.0	127.0	144.1	184.2	211.6	239.7	256.0	289.3
West Germany	71.1	84.7	100.0	120.6	128.9	137.6	142.0	147.4	153.2	159.0

<sup>1</sup> Gross domestic product deflators.

1971 1.056 1972 1.072 1973 1.086

1980 100  
1979

Spain  
India  
Mexico



Table 11

## Gross National Product in Purchasing Power Equivalents and Exchange Rate Equivalents

	Purchasing Power Equivalents <sup>1</sup>	Purchasing Power Equivalents <sup>1</sup>	Average 1979 Par Rate/Market Rate	Average 1978 Exchange Rate Conversions	Average 1973 Exchange Rate Conversions	February 1973 Exchange Rate Conversions	May 1972 Exchange Rate Conversions	April 1971 Exchange Rate Conversions
<b>Gross National Product, 1979 (Billion 1979 US \$)</b>								
OECD								
Belgium	N.A.	83.4	112.2	104.7	84.4	81.6	73.4	65.8
Denmark	N.A.	39.0	64.5	61.5	56.1	54.0	48.6	45.2
France	434.3	431.8	569.9	537.3	544.5	527.1	474.0	436.5
Italy	306.8	277.0	318.9	312.2	454.5	467.6	455.7	423.9
Japan	889.1	746.5 <sup>3</sup>	1,030.2	1,072.8	829.5	836.3	733.1	627.2
Netherlands	N.A.	90.8	152.1	141.0	109.2	104.5	94.0	84.3
Norway	N.A.	29.4	44.2	42.7	38.5	37.4	33.7	31.3
United Kingdom	377.7	355.2	394.3	356.7	455.7	462.8	484.3	446.0
West Germany	505.2	449.2	759.8	693.3	521.2	480.2	432.2	380.5
<b>Gross National Product Per Capita,<sup>4</sup> 1979 (United States = 100)</b>								
OECD								
Belgium	N.A.	79	107	100	80	78	70	63
Denmark	N.A.	71	118	112	102	99	89	83
France	76	75	99	94	95	92	82	76
Italy	50	45	52	51	75	77	75	70
Japan	71	60	83	86	67	67	59	50
Netherlands	N.A.	60	101	94	73	70	63	56
Norway	N.A.	67	100	97	87	85	76	71
United Kingdom	63	59	66	59	76	77	81	74
West Germany	77	68	115	105	79	73	66	58

<sup>1</sup> For the individual OECD countries, the ratios for converting GNP in national currencies at 1979 prices into 1979 US dollars on the basis of purchasing power equivalents are derived from the 1970 ratios in *A System of International Comparisons of Gross Product and Purchasing Power*, published for the World Bank by The Johns Hopkins University Press, Baltimore and London, 1975, p. 9, using the geometric mean of foreign and US weighted ratios. These 1970 GDP parities were moved to 1979 by applying the following factor: the derived price index for each OECD country for 1970-79 divided by a derived price index for the United States for 1970-79. 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 1979 prices.

<sup>2</sup> For the individual European OECD countries, the ratios for converting GNP in national currencies at 1979 prices into 1979 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 1979 by applying the following factor: the derived price index for each European country for 1950-79 divided by a derived price index for the United States for 1950-79. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1979 prices.

<sup>3</sup> Converted at US purchasing power equivalents in approximately the same manner as the data for the European countries.

<sup>4</sup> Based on 1979 prices.

Table 12

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**Gross National Product, by End Use,  
in the US and the USSR, 1978**

	Billion 1976 US \$ <sup>1</sup>		USSR as a Percent of US
	US	USSR	
GNP <sup>2</sup>	1,871.5	1,097.8 <sup>2</sup>	59
of which:			
Consumption	1,316.6	547.5	42
New fixed investment	325.4	327.7	101

<sup>1</sup> US data in market prices. Total Soviet 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 above GNP data should not, therefore, be used in conjunction with Soviet foreign trade data appearing in Tables 58-60. These latter tables use official foreign exchange rates to derive dollar values for trade; we have yet to estimate the value of Soviet foreign trade in terms of actual purchasing power, which would allow for an estimate of the share of foreign trade in Soviet national income.

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.

The identified 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.

(2) New fixed investment is defined as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for military facilities; and for equipment purchased by the government except that for defense. Since part of new fixed investment in the United States is capital repair, one-half of Soviet expenditures on capital repair is included in Soviet new fixed investment.

Other uses of GNP include defense, space, research and development, inventory change, administration, net exports, and a statistical discrepancy. The total value for these expenditures cannot be derived for the USSR by subtraction, however.

<sup>2</sup> The sum of the end-use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values.

Table 13

Percent

Real Gross National Product Growth

	Average Annual Rate of Growth			1974	1975	1976	1977	1978	1979
	1961-65	1966-70	1971-73						
<b>OECD</b>									
United States	4.7	3.0	4.7	-1.4	-1.4	5.9	5.3	4.4	2.3
Australia	5.0	5.9	4.6	2.8	2.3	3.8	1.1	2.4	4.8
Canada	5.8	4.6	6.8	3.5	1.1	5.7	2.7	3.4	2.8
Japan	10.0	12.0	8.7	-1.0	2.4	6.0	5.4	5.6	6.0
Spain	8.7	6.4	7.2	5.3	0.7	2.1	2.4	3.1	1.5
Sweden	5.0	4.0	1.6	4.2	0.8	1.3	-2.7	2.8	4.0
Switzerland	5.3	3.7	3.5	1.5	-7.3	-1.4	2.4	0.2	0.3
European Community	4.8	4.7	4.5	1.6	-1.4	5.1	2.3	3.1	3.1
Belgium	5.1	4.7	1.5	4.7	-2.1	5.7	1.3	2.5	3.0
France	5.8	5.8	5.6	3.2	0.2	4.9	2.8	3.3	3.0
Italy	5.3	6.0	3.9	4.2	-3.5	5.7	1.7	2.6	4.0
Netherlands	5.0	5.2	4.5	-3.5	-1.0	5.3	2.8	2.4	3.3
United Kingdom	3.3	2.3	4.4	-1.5	-1.0	3.7	1.3	3.3	0.5
West Germany	5.1	4.7	3.9	0.5	-2.1	5.6	2.8	3.5	4.3
<b>Communist Countries</b>									
<b>USSR and Eastern Europe</b>									
USSR <sup>2</sup>	5.1	5.8	7.4	4.0	1.9	4.6	3.6	3.5	0.7
Eastern Europe	3.8	3.7	5.1	4.7	4.1	4.2	3.4	3.3	1.8
Bulgaria	6.3	4.8	3.9	3.0	8.3	4.0	-1.2	2.8	2.6
Czechoslovakia	2.0	3.5	3.5	3.6	2.9	1.5	4.7	1.4	0.7
East Germany	2.9	3.2	2.9	4.8	3.8	2.2	3.4	2.5	2.3
Hungary	4.2	3.1	3.9	2.6	2.2	-0.1	6.1	2.8	1.3
Poland	4.1	3.8	7.2	5.9	4.7	4.1	2.8	3.9	-0.1
Romania	5.0	4.6	7.8	5.6	4.4	12.9	3.5	5.9	4.5
<b>Far East</b>									
China	4.9	7.2	8.1	3.9	6.9	Negl.	8.3	11.5	7.0
North Korea	9.8	5.7	11.0	12.0	7.5	-3.0	Negl.	7.2	3.8
<b>Other</b>									
Yugoslavia	6.1	5.2	5.6	8.1	3.6	4.9	7.8	6.9	7.6.8

<sup>1</sup> Including data for West Berlin.

<sup>2</sup> At factor cost.

OECD Total

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Percent

Real Gross National Product Per Capita Growth

	Average Annual Rate of Growth					1976	1977	1978	1979
	1961-65	1966-70	1971-73	1974	1975				
<b>OECD</b>									
United States	3.2	1.9	3.8	-2.1	-2.1	5.1	4.5	3.5	1.5
Australia	2.9	4.0	2.8	1.3	0.8	2.2	0.4	1.7	3.3
Canada	3.8	3.0	5.5	2.1	-0.2	4.3	1.4	2.5	1.9
Japan	8.9	10.9	7.2	-2.3	1.1	4.9	4.4	4.7	5.1
Sweden	4.5	3.2	1.1	2.9	0.8	1.3	-3.8	2.7	4.1
Switzerland	3.1	3.0	2.9	1.5	-6.9	0.2	2.4	0.2	0.3
European Community	<b>3.9</b>	<b>4.1</b>	<b>3.8</b>	<b>1.2</b>	<b>-1.7</b>	<b>5.0</b>	<b>2.1</b>	<b>3.0</b>	<b>3.0</b>
Belgium	4.5	4.2	5.5	3.6	-2.0	5.6	1.3	2.4	3.0
France	4.5	4.9	4.6	2.6	-0.2	4.5	2.4	2.9	2.6
Italy	4.6	5.3	3.1	3.3	-4.1	5.0	1.3	2.0	4.0
Netherlands	3.6	4.1	3.4	2.7	-2.4	4.5	2.0	2.4	2.5
United Kingdom	2.6	1.9	4.1	-1.5	-1.0	3.7	1.5	3.3	0.5
West Germany	4.0	3.9	3.2	0.5	-1.8	6.1	3.0	3.7	4.3
<b>Communist Countries</b>									
<b>USSR and Eastern Europe</b>									
USSR	3.6	4.2	3.4	3.0	0.9	3.7	2.7	2.6	-0.1
Eastern Europe	<b>3.2</b>	<b>3.1</b>	<b>4.0</b>	<b>4.0</b>	<b>3.5</b>	<b>3.4</b>	<b>2.4</b>	<b>3.2</b>	<b>0.9</b>
Bulgaria	5.5	4.1	3.5	2.3	7.8	3.5	-1.7	2.7	2.6
Czechoslovakia	1.3	3.2	2.6	2.7	2.1	1.6	3.9	0.8	Negl.
East Germany	3.1	3.2	3.5	5.2	4.2	2.6	3.5	2.6	2.4
Hungary	3.9	2.7	4.9	2.1	1.6	-0.6	5.6	2.5	-1.3
Poland	2.8	3.0	6.4	4.9	3.8	3.1	1.8	3.2	-0.7
Romania	4.4	3.2	2.4	4.6	3.4	11.2	2.5	4.9	3.6
<b>Far East</b>									
China	3.3	4.2	5.5	1.5	5.0	-1.7	6.3	9.8	5.6
North Korea	6.8	2.5	8.5	7.8	4.1	-6.0	-3.3	4.8	0.5
<b>Other</b>									
Yugoslavia	4.9	4.2	3.9	7.1	2.8	3.0	6.7	5.8	6.6

*Handwritten:*  
~~CIA~~  
 LDC  
 OPEC

Table 15

Percent

*Change in*  
Selected Economic Indicators Growth 1

	Average Annual Rate of Growth		1974	1975	1976	1977	1978	1979
	1961-70	1971-73						
<b>Industrial production</b>								
United States	5.1	6.4	-0.4	-8.8	10.8	5.9	5.8	4.1
Canada	6.0	7.4	4.0	-4.7	5.6	4.0	5.3	5.5
Japan	13.6	7.9	-3.9	-9.8	11.0	3.2	6.1	8.4
France	5.8	6.5	2.5	-9.1	7.2	1.5	2.1	4.0
Italy	7.0	4.6	3.5	-9.2	12.5	-1.0	1.9	6.5
United Kingdom	2.8	3.5	-1.9	-5.5	2.9	0	0.2	0.5
West Germany	5.8	4.1	-1.8	-6.2	8.8	2.9	1.9	5.0
<b>Consumer prices</b>								
United States	2.8	4.6	10.9	9.2	5.8	6.5	7.7	11.3
Canada	2.6	5.1	10.9	10.8	7.5	8.0	8.9	9.1
Japan	5.8	7.4	24.4	11.9	9.3	8.0	3.8	3.6
France	4.1	6.3	13.7	11.7	9.6	9.5	9.3	10.6
Italy	3.9	7.1	19.1	17.0	16.8	19.4	12.4	15.7
United Kingdom	4.1	8.6	16.0	24.2	16.5	15.8	8.3	13.4
West Germany	2.6	5.9	7.0	5.9	4.3	3.7	2.7	4.1
<b>Export prices (unit values, US dollar basis)</b>								
United States	2.0	7.5	27.0	11.8	3.6	4.3	7.0	16.0
Canada	1.4	7.3	35.5	6.5	5.6	-1.4	1.2	17.8
Japan	-0.4	12.3	27.4	0	-1.3	10.1	23.1	4.6
France	1.3	13.6	16.8	18.3	-2.1	7.0	14.6	16.1
Italy	0.5	10.8	27.3	12.8	-5.6	13.1	11.3	20.2
United Kingdom	N.A.	8.6	23.2	16.1	-1.9	14.9	19.5	22.6
West Germany	2.6	13.5	18.5	13.0	1.6	10.1	14.8	13.5
<b>Import prices (unit values, US dollar basis)</b>								
United States	1.5	10.0	50.4	8.0	3.2	8.0	8.7	17.3
Canada	1.4	5.5	26.1	11.5	3.2	3.3	6.3	11.3
Japan	0.6	12.0	71.1	5.4	2.9	6.7	5.4	23.5
France	0.6	11.8	36.0	10.2	-0.9	8.9	10.1	16.8
Italy	1.1	14.3	55.4	5.8	-1.9	10.5	8.7	21.1
United Kingdom	N.A.	12.9	47.9	7.4	-1.0	12.7	13.0	21.6
West Germany	1.5	12.0	29.2	5.3	2.9	9.4	11.4	18.9

Productivity in manufacturing Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP07-00617R000200270001-1

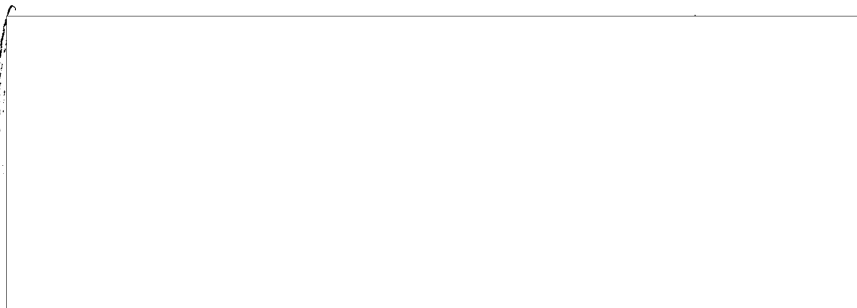
United States	2.8	4.2	-5.0	5.1	4.4	3.0	0.5	1.6
Canada	4.3	5.6	1.6	-2.6	5.0	5.5	4.7	0.8
Japan	10.8	7.3	0.3	-3.9	8.1	4.6	7.9	8.3
France	5.8	5.5	2.9	2.8	8.6	5.0	5.0	5.4
Italy	7.1	7.6	5.3	-4.3	8.5	1.1	3.0	8.7
United Kingdom	3.6	5.3	-0.3	-2.2	3.1	-0.5	1.2	2.2
West Germany	5.5	5.6	6.1	4.3	5.9	5.4	3.4	5.2

Unit labor costs in manufacturing (in US dollars)

United States	1.8	1.9	16.2	6.5	3.8	-5.3	7.7	7.5
Canada	0.4	4.2	15.8	13.3	12.1	-1.7	-4.5	5.8
Japan	3.2	19.9	21.6	20.0	0.2	14.5	25.1	-6.0
France	1.7	14.8	7.9	30.7	-5.4	6.1	17.2	14.0
Italy	4.5	13.1	5.9	34.2	-13.3	10.5	15.7	13.3
United Kingdom	2.1	7.6	18.1	28.0	-7.7	8.0	25.6	24.4
West Germany	5.1	19.0	11.6	13.7	-1.2	12.8	20.4	10.8

<sup>1</sup> Growth rates were derived from unrounded data.

*add item*



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Table 16

Percent Change

Economic Indicators for Selected Non-OPEC  
Less Developed Countries

	1973	1974	1975	1976	1977	1978	1979
<b>Industrial Production</b>							
India	1.6	2.0	4.7	9.8	5.2	6.9	1.3
Mexico	9.7	8.1	4.8	2.7	3.6	10.1	9.8
Nigeria	15.8	5.8	-6.0	19.2	4.8	2.0	18.6
South Korea	33.5	27.5	18.9	29.7	19.9	22.9	11.7
Taiwan	20.5	-1.4	5.4	24.8	12.1	25.2	8.6
<b>Consumer Price Inflation</b>							
Brazil	12.6	27.6	29.0	41.8	43.7	38.7	64.3
India	16.9	28.6	5.7	-7.6	8.3	2.5	6.2
Mexico	12.1	23.8	15.0	15.8	29.0	17.5	17.8
Nigeria	6.1	12.7	33.5	23.9	15.4	16.6	13.0
South Korea	3.2	23.7	25.2	15.3	10.1	14.5	18.3
Taiwan	13.1	43.6	6.7	2.5	7.0	5.8	9.8
<b>Wholesale Price Inflation</b>							
Brazil	15.3	29.0	27.8	40.4	40.6	38.9	55.9
India	16.5	28.4	3.9	-1.9	7.3	-0.1	13.2
Mexico	15.7	22.9	10.2	22.3	41.2	15.8	16.0
South Korea	6.9	42.1	26.1	12.1	9.1	11.7	18.8
Taiwan	22.9	34.0	-5.1	2.8	2.4	3.5	13.8
<b>Money Supply</b>							
Brazil	41.8	37.1	33.6	37.7	38.4	25.1	73.5
India	16.5	14.3	8.1	15.5	18.1	20.1	13.0
Mexico	25.0	20.7	22.3	22.9	27.7	31.7	35.8
Nigeria	17.7	40.5	73.0	61.0	46.0	-40.0	40.0
South Korea	51.4	26.3	26.1	30.8	39.0	28.2	20.7
Taiwan	41.2	19.1	21.2	18.5	24.7	34.1	7.0

Table 17

Million US \$

Current Account Balance <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>OECD</b>	<b>N.A.</b>	<b>N.A.</b>	<b>12,100</b>	<b>19,400</b>	<b>-14,400</b>	<b>14,300</b>	<b>-4,870</b>	<b>-8,700</b>	<b>32,000</b>	<b>-23,300</b>
United States	4,817	7,706	4,670	9,940	8,530	22,290	8,940	-9,920	-8,900	4,920
Canada	-1,219	-916	996	2	-1,628	-4,695	-3,983	-4,135	-4,429	-4,456
Japan	223	1,025	2,180	90	-4,520	-420	3,960	11,220	18,000	-7,440
European Community	<b>2,870</b>	<b>2,420</b>	<b>5,620</b>	<b>6,970</b>	<b>-4,570</b>	<b>8,650</b>	<b>551</b>	<b>10,100</b>	<b>28,600</b>	<b>-7,520</b>
Belgium <sup>3</sup>	160	212	1,016	1,532	1,304	1,216	315	-261	-421	-3,357
Denmark	-62	-175	-510	-717	-1,166	-600	-2,177	-2,119	-1,992	-3,331
France	719 <sup>4</sup>	581 <sup>4</sup>	289	61	-4,722	1,096	-4,834	-1,561	5,248	3,249
Ireland	-9	-124	-197	-322	-854	-259	-473	-722	-995	-2,200
Italy	371	2,353	1,424	-900	-6,838	710	-1,591	4,185	9,231	3,600
Netherlands	372	46	-420	2,292	2,269	2,352	2,784	1,071	-655	-2,156
United Kingdom	-460	357	2,323	-1,726	-7,230	-3,057	-663	1,686	5,099	-630
West Germany	1,779	-825	1,690	6,750	12,670	7,190	7,190	7,800	13,080	-2,700
<b>Non-OPEC Less Developed Countries</b>	<b>N.A.</b>	<b>N.A.</b>	<b>-8,520</b>	<b>-8,860</b>	<b>-26,800</b>	<b>-35,900</b>	<b>-25,700</b>	<b>-21,200</b>	<b>-31,300</b>	<b>-41,700</b>
Brazil	-534	248	-861	-2,196	-7,553	-6,990	-6,560	-5,120	-7,037	-10,483
Mexico	-326	-403	-1,075	-1,423	-2,897	-4,068	-3,435	-1,870	-2,887	-4,565
South Korea	243	-125	-706	-341	-2,094	-1,958	-470	-19	-1,123	-4,270
Taiwan	-125	-80	5	605	-1,112	-587	313	931	1,677	103
<b>OPEC <sup>5</sup></b>	<b>N.A.</b>	<b>N.A.</b>	<b>588</b>	<b>6,980</b>	<b>67,100</b>	<b>36,800</b>	<b>38,000</b>	<b>31,200</b>	<b>12,400</b>	<b>68,600</b>
Iran	-125	-104	-511	156	12,299	6,332	4,734	5,091	2,800	11,700
Saudi Arabia	190	89	152	2,702	24,022	17,059	17,127	16,679	4,800	19,800
Venezuela	394	36	-98	867	5,874	2,173	487	-3,050	-5,330	-600

<sup>1</sup> Including goods, services, and private transfers.<sup>2</sup> Preliminary.<sup>3</sup> Including Luxembourg.<sup>4</sup> Excluding overseas departments and territories.<sup>5</sup> Data prior to 1975 are from the International Financial Statistics.

*Handwritten:*  
 Ashel to OPEC  
 Iraq  
 Algeria  
 Indonesia



Table 18

Million US \$

International Reserves <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	19,359	15,450	14,487	14,378	16,057	15,882	18,319	19,393	19,582	19,956
Australia	743	1,317	1,693	5,698	4,269	3,257	3,169	2,383	2,418	1,790
Austria	714	1,305	1,751	2,875	3,429	4,439	4,409	4,243	6,007	5,048
Canada	1,998	3,037	4,679	5,769	5,825	5,325	5,843	4,607	4,569	3,887
Japan	1,949	2,152	4,840	12,247	13,519	12,815	16,605	23,260	33,500	20,639
Portugal	635	938	1,504	2,839	2,353	1,534	1,301	1,391	1,881	1,954
Spain	541	1,422	1,817	6,772	6,485	6,090	5,284	6,590	10,774	13,898
Switzerland	2,324	3,444	5,132	8,520	9,011	10,428	12,993	13,829	21,560	20,275
European Community										
Belgium	1,507	2,334	2,847	5,099	5,344	5,797	5,206	5,761	5,908	6,991
France	2,272	6,343	4,960	8,529	8,851	12,593	9,728	10,194	13,929	21,357
Italy	3,251	4,800	5,352	6,436	6,941	4,774	6,654	11,630	14,899	21,239
Netherlands	1,861	2,413	3,241	6,546	6,958	7,109	7,386	8,066	7,586	9,619
United Kingdom	3,719	3,004	2,827	6,476	6,938	5,459	4,230	21,057	17,067	20,694
West Germany	7,033	7,430	13,610	33,172	32,398	31,034	34,801	39,737	53,883	56,940
Latin America										
Brazil	345	484	1,187	6,415	5,272	4,034	6,541	7,255	11,900	9,046
Venezuela	609	819	1,021	2,413	6,512	8,860	8,579	8,214	6,554	7,813
Middle East										
Iran	183	251	208	1,237	8,384	8,896	8,833	12,266	12,151	15,389
Iraq	258	234	462	1,553	3,273	2,728	4,601	6,996	N.A.	N.A.
Saudi Arabia	185	726	662	3,878	14,284	23,320	27,025	30,034	19,408	19,485
Africa										
Libya	82	246	1,590	2,127	3,616	2,195	3,205	4,890	4,217	6,458
Nigeria	343	239	222	584	5,627	5,610	5,203	4,259	1,916	5,576
Communist Countries										
USSR	2,800	1,500	2,800	8,000	12,200	11,100	11,800	12,400	15,400	35,400 <sup>2</sup>
Yugoslavia	13	103	140	1,338	1,147	871	2,049	2,109	2,462	1,336

<sup>1</sup> Including gold (valued at 35 SDRs per ounce) and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1972 are expressed in terms of US

dollars at the official par values and, in 1973-79, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold. Gold is valued at 35 SDR per ounce.

<sup>2</sup> Assumes gold valued at \$560 per ounce.

Table 19

1970=100

## Index of Industrial Production for Communist Countries

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>1</sup>
USSR and Eastern Europe <sup>2</sup>										
USSR										
Official	44	67	100	124	133	143	150	159	166	172
Adjusted	53	73	100	119	126	134	140	145	151	154
Eastern Europe <sup>3</sup>										
Adjusted	58	76	100	116	123	131	137	143	149	153
Bulgaria										
Official	34	60	100	130	140	155	164	175	187	199
Adjusted	34	66	100	116	124	132	138	141	146	152
Czechoslovakia										
Official	55	72	100	122	129	138	146	154	162	168
Adjusted	64	81	100	111	115	121	124	129	133	135
East Germany										
Official	55	73	100	120	128	137	145	153	158	164
Adjusted	65	83	100	107	113	118	123	125	129	132
Hungary										
Official	52	74	100	120	130	136	142	152	159	163
Adjusted	56	84	100	107	109	114	118	121	126	129
Poland										
Official	45	67	100	133	148	164	179	192	200	206
Adjusted	51	74	100	124	133	144	150	157	163	164
Romania										
Official	30	51	100	143	164	184	205	231	252	272
Adjusted	35	58	100	130	145	155	169	183	196	208
Far East										
North Korea <sup>4</sup>										
Official	30	58	100	162	190	228	247	275	322	370

<sup>1</sup> Preliminary.

<sup>2</sup> The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially

higher than can be justified by either improved quality or increased production costs. Because output of these "new" products grows from a small base, their rates of growth will proceed at a higher rate than those of "old" products.

Adjusted indexes of industrial production—parallel to those used by the Federal Reserve Board for measuring US industrial output—are constructed in order to circumvent most of these distortions, that is, price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

<sup>3</sup> An official index is not published.<sup>4</sup> An adjusted index is not available.

ILLEGIB

Table 20

1970=100

Index of Industrial Production for Selected Countries <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>OECD</b>										
United States	61	83	100	120	120	109	121	128	136	141
Canada	56	78	100	122	127	121	128	132	139	145
Japan	28	49	100	127	122	110	122	128	135	146
<b>European Community</b>										
France	57	73	100	120	123	112	122	123	127	132
Italy	51	71	100	115	119	108	121	121	123	131
United Kingdom	76	88	100	111	109	103	106	111	114	118
West Germany	57	75	100	113	111	105	112	116	119	125
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>										
USSR <sup>3</sup>	53	73	100	119	126	134	140	145	151	154
Eastern Europe	58	76	100	116	123	131	137	143	149	153
Bulgaria	34	66	100	116	124	132	138	141	146	152
Czechoslovakia	64	81	100	111	115	121	124	129	133	135
East Germany	65	83	100	107	113	118	123	125	129	132
Hungary	56	84	100	107	109	114	118	121	126	129
Poland	51	74	100	124	133	144	150	157	163	164
Romania	35	58	100	130	145	155	169	183	196	208
<b>Far East</b>										
China <sup>4</sup>	57	63	100	138	144	159	159	181	206	223
<b>Other</b>										
Yugoslavia	46	77	100	126	139	147	153	167	182	196

<sup>1</sup> Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of CIA (see Table 19 for detailed explanation)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by CIA. The indexes for the Communist countries include manufacturing, mining, and public utilities.

<sup>2</sup> Preliminary.

<sup>3</sup> Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three

sectors covered—materials, machinery, and nondurable consumer goods—constitute 48.21 percent, 32.88 percent, and 18.91 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

<sup>4</sup> CIA estimates were 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.

Table 21

1970=100

## Agricultural Production Index

	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Developed Countries</b>	92	100	110	111	112	114	117	122	122
United States <sup>1</sup>	97	100	111	105	113	116	120	120	128
Canada	107	100	109	102	113	123	126	131	123
European Community									
France	95	100	111	113	108	107	109	117	118
Italy	89	100	102	106	105	103	104	110	111
United Kingdom	92	100	105	111	105	101	113	115	115
West Germany	85	100	101	105	102	101	105	109	110
Oceania	85	100	109	103	112	118	115	128	123
<b>Less Developed Countries</b>	85	100	106	109	114	117	119	124	126
Africa	88	100	100	105	106	109	107	110	112
Far East	81	100	107	104	113	113	120	124	122
Latin America	88	100	105	112	114	117	123	127	132
Middle East	85	100	105	115	120	126	124	129	129
<b>Communist Countries</b>									
USSR and Eastern Europe									
USSR <sup>2</sup>	83	100	108	107	98	106	111	115	108
Eastern Europe <sup>3</sup>	90	100	117	120	122	124	128	132	133
Bulgaria	90	100	106	105	108	114	108	114	122
Czechoslovakia	82	100	106	113	116	114	123	125	122
East Germany	91	100	110	116	119	118	122	122	123
Hungary	88	100	127	132	129	127	148	150	149
Poland	92	100	117	121	119	117	120	127	127
Romania	93	100	134	130	137	157	156	158	164
Far East									
China <sup>4</sup>	80	100	113	116	118	118	114	124	133
North Korea <sup>5</sup>	90	100	107	140	154	160	170	170	N.A.
<b>Other</b>									
Yugoslavia	86	100	115	124	116	127	134	130	137

<sup>1</sup> Excluding production of seeds and of feed for horses and mules.

<sup>2</sup> Data differs from earlier versions because (a) the methodology used to estimate the annual waste and losses in handling the grain crop has been revised; (b) the techniques used to estimate quantities of grain, vegetables, and potatoes fed to livestock have been improved; and (c) the base year prices for grain and vegetables fed to livestock have been modified. Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. The weights used to aggregate

estimated agricultural output are the average prices realized by all producers for products sold in 1970.

<sup>3</sup> Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. FAO, East European, and Soviet wheat price relatives for 1961-65 were used to compute the indexes.

<sup>4</sup> Based on estimates of grain and cotton production.

<sup>5</sup> Based on official grain claims.

*add Vietnam  
- 3 estimates*

Table 22

Percent

## Defense Expenditures as a Share of Gross National Product

	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>OECD<sup>1</sup></b>										
Australia	4.4	3.4	3.1	2.9	2.4	2.2	2.6	2.7	2.6	2.6
Austria	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.1	1.1	1.3
Belgium	3.1	2.9	2.8	2.8	2.7	2.7	3.0	3.2	3.1	3.2
Canada	3.0	2.4	2.3	2.1	2.0	2.0	1.9	1.9	2.0	2.0
Denmark	2.8	2.4	2.5	2.3	2.1	2.4	2.6	2.5	2.3	2.4
Finland	1.7	1.5	1.6	1.6	1.6	1.5	1.7	1.6	1.4	1.5
France	5.2	4.2	4.0	3.9	3.8	3.7	3.9	3.8	3.9	3.9
Greece	3.5	4.7	4.6	4.4	4.0	4.1	6.3	5.3	4.5	4.7
Ireland	1.4	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.6	1.6
Italy	3.3	2.7	2.9	3.1	2.9	2.8	2.7	2.6	2.6	2.7
Japan	1.0	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9
Luxembourg	1.4	0.8	0.8	0.9	0.8	0.8	1.0	1.1	0.9	0.9
Netherlands	4.0	3.5	3.4	3.4	3.2	3.3	3.5	3.3	3.5	3.3
New Zealand	2.1	2.0	1.9	1.7	1.6	1.8	1.8	1.7	1.8	1.9
Norway	3.8	3.7	3.4	3.3	3.2	3.1	3.3	3.2	3.2	3.3
Portugal	6.0	6.5	6.7	6.3	5.4	6.8	4.9	3.7	3.4	3.3
Spain	2.7	3.1	3.0	3.0	2.7	2.7	2.9	2.8	1.8	1.8
Sweden	3.9	3.6	3.7	3.7	3.6	3.5	3.4	3.3	3.4	3.4
Switzerland	2.6	2.1	2.1	2.0	1.9	1.9	1.9	2.1	2.0	2.0
Turkey	5.0	4.2	4.4	4.1	3.9	3.7	4.4	5.5	5.3	4.8
United Kingdom	5.9	4.8	4.9	5.1	4.8	5.0	5.0	5.0	4.9	4.8
United States <sup>2</sup>	7.8	8.0	6.9	6.2	5.7	5.4	5.4	5.2	5.0	4.7
West Germany <sup>3</sup>	4.3	3.3	3.4	3.5	3.5	3.6	3.6	3.5	3.4	3.3
Less Developed Countries	N.A.	6.1	6.2	6.2	6.1	5.8	6.3	6.2	5.7	5.5
<b>OPEC</b>	N.A.	4.9	5.6	6.3	6.5	6.4	8.0	8.3	7.8	7.9
Iran	N.A.	7.8	8.4	8.5	8.3	11.8	14.4	13.2	11.6	14.2
Nigeria	N.A.	5.9	4.3	5.2	5.0	3.8	4.4	3.8	4.9	4.2
Saudi Arabia	N.A.	6.1	11.6	14.7	16.4	9.3	14.8	18.9	16.0	16.1

<sup>1</sup> Except for the United States, data are from the United States Arms Control and Disarmament Agency, based on the ratio of military expenditures to GNP at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space,

and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

<sup>2</sup> Based on the ratio of military expenditures to GNP in constant 1976 prices.

<sup>3</sup> Including data for West Berlin.

*Revised*

Table 23

Million US \$

## Eastern Europe: Gross and Net Hard Currency Debt to the West

	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>Total</b>									
Gross	6,072	7,398	9,762	15,352	23,033	29,351	36,695	46,901	54,730
Net	4,927	5,723	7,950	12,732	18,657	25,297	32,860	42,267	49,260
<b>Bulgaria</b>									
Gross	743	1,009	1,020	1,703	2,640	3,198	3,707	4,263	4,500
Net	723	909	997	1,360	2,257	2,756	3,169	3,710	3,730
<b>Czechoslovakia</b>									
Gross	485	630	757	1,048	1,132	1,862	2,616	3,206	4,020
Net	160	176	273	640	827	1,434	2,121	2,513	3,070
<b>East Germany</b>									
Gross	1,408	1,554	2,136	3,136	5,188	5,856	7,145	8,894	10,140
Net	1,205	1,229	1,876	2,592	3,548	5,047	6,159	7,548	8,440
<b>Hungary</b>									
Gross	1,071	1,392	1,442	2,129	3,135	4,049	5,655	7,473	8,020
Net	848	1,055	1,096	1,537	2,195	2,852	4,491	6,532	7,320
<b>Poland</b>									
Gross	1,138	1,564	2,796	4,643	8,014	11,483	13,967	17,844	21,100
Net	764	1,150	2,213	4,120	7,381	10,680	13,532	16,972	20,000
<b>Romania</b>									
Gross	1,227	1,249	1,611	2,693	2,924	2,903	3,605	5,221	6,950
Net	1,227	1,204	1,495	2,483	2,449	2,528	3,388	4,992	6,700

Table 24

Metal Prices

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Aluminum <sup>1</sup> (US cents per pound)	27.23	24.50	28.72	25.33	34.06	39.79	44.34	51.34	53.90	60.09
Copper <sup>2</sup> (US cents per pound)	30.74	58.51	64.17	80.81	93.07	55.85	63.62	59.33	61.90	89.82
Lead <sup>3</sup> (US cents per pound)	9.02	14.39	13.78	19.47	26.81	18.66	20.38	27.90	29.90	54.32
Nickel <sup>4</sup> (US cents per pound)	74.00	78.70	129.00	153.00	173.50	205.83	225.58	230.08	204.58	273.41
Tin <sup>5</sup> US cents per pound	99.60	179.40	166.70	218.40	371.30	310.20	345.87	489.20	581.10	698.80
Zinc <sup>5</sup> US cents per pound	11.09	14.11	13.40	38.47	56.01	33.68	32.15	26.70	26.90	33.40
Silver <sup>6</sup> US \$ per troy ounce	0.91	1.29	1.77	2.56	4.71	4.42	4.35	4.62	5.40	11.09
Gold <sup>5</sup> US \$ per troy ounce	35.28	35.13	35.98	100.01	161.58	160.47	124.03	148.79	197.14	306.67
Iron Ore <sup>7</sup> US \$ per metric ton	17	16	15	17	19	23	22	22	19	24
Manganese <sup>8</sup> US \$ per metric ton	87	75	54	75	112	138	145	148	142	137
Finished steel composite <sup>9</sup> US cents per pound	6.20	6.37	7.65	9.38	11.14	13.10	14.21	15.58	17.96	19.98

<sup>1</sup> Virgin unalloyed ingot at New York.  
<sup>2</sup> London Metal Exchange electrolytic wirebars.  
<sup>3</sup> London Metal Exchange refined pig lead, minimum 99.97 percent.  
<sup>4</sup> US major producer of cathodes, spot, f.o.b. refinery.

<sup>5</sup> London Metal Exchange.  
<sup>6</sup> US price (New York).  
<sup>7</sup> Brazil (North Sea ports).  
<sup>8</sup> India (US ports).  
<sup>9</sup> Weighted index of steel shapes.

*3 columns*

*Chrome ore  
 Platinum  
 Steel scrap  
 Tungsten  
 fuels*

**Table 25**

US \$ per Metric Ton

**Agricultural Prices**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Coffee <sup>1</sup>	807	965	1,230	1,526	1,617	1,821	3,295	5,890	3,643	3,935
Corn <sup>2</sup>	50	56	58	98	132	119	112	95	101	116
Cotton <sup>3</sup>	692	670	653	1,237	1,276	994	1,499	1,358	1,270	1,369
Palm oil <sup>4</sup>	228	273	260	378	669	429	407	580	600	654
Rice <sup>5</sup>	179	183	190	397	556	419	309	333	399	381
Soybeans <sup>6</sup>	92	117	117	291	277	220	231	279	268	297
Soybean meal <sup>7</sup>	78	94	103	302	184	155	198	229	214	243
Soybean oil <sup>8</sup>	224	270	291	436	832	563	414	574	607	663
Sugar <sup>9</sup>	69	47	83	212	661	452	255	177	172	213
Tea <sup>10</sup>	1,422	1,280	1,092	1,060	1,397	1,375	1,540	2,641	2,187	2,158
Wheat <sup>11</sup>	58	60	55	140	180	149	133	103	128	160
Beef <sup>12</sup>	N.A.	882	1,304	2,011	1,582	1,327	1,588	1,508	2,140	2,888
Rubber, natural <sup>13</sup>	842	567	465	776	877	659	873	917	1,102	1,415
Cocoa <sup>14</sup>	N.A.	355	655	1,111	1,638	1,239	2,079	3,792	3,362	3,181

<sup>1</sup> From Santos, No. 4, New York spot.

<sup>2</sup> US No. 2 yellow, f.o.b. Gulf ports.

<sup>3</sup> US, domestic middling 1 inch, 12 markets.

<sup>4</sup> United Kingdom 5 percent bulk, c.i.f.

<sup>5</sup> US No. 2, milled, f.o.b., New Orleans.

<sup>6</sup> US No. 2, bulk, c.i.f., Rotterdam.

<sup>7</sup> US, 44 percent extraction, c.i.f., Rotterdam.

<sup>8</sup> All origins, f.o.b., Netherlands.

<sup>9</sup> Caribbean, raw, f.a.s., No. 11 bulk, New York spot.

<sup>10</sup> London, average price all teas.

<sup>11</sup> US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.

<sup>12</sup> Boneless Australian, f.o.b., New York.

<sup>13</sup> Smoked sheets, New York.

<sup>14</sup> New York cocoa bean futures prices. Average of nearest three active futures trading months.

*3 columns*

*Both in page*



Table 26

US \$ per barrel

OPEC Countries: Crude Oil Prices <sup>1</sup>

	1977	1978	1979	1979				1980							
				I	II	III	IV	I	Mar	Apr	May	Jun	Jul	Aug	
<b>OPEC average</b> <sup>2</sup>	12.88	12.93	18.67	13.79	17.08	20.14	23.54	28.72	29.05	29.80	30.50	30.93	31.47	31.46	
<b>Saudi Arabia</b>															
Light 34° API 1.70% sulfur	12.40	12.70	17.26	13.34	15.68	18.00	22.00	26.00	26.00	28.00	28.00	28.00	28.00	28.00	
Berri 39° API 1.16% sulfur	12.85	13.22	19.33	14.06	18.33	21.32	23.59	27.52	27.52	29.52	29.52	29.52	29.52	29.52	
Heavy 27° API 2.85% sulfur	11.70	12.02	16.41	12.51	14.80	17.17	21.17	25.00	25.00	27.00	27.00	27.00	27.00	27.00	
Medium 31° API 2.40% sulfur	12.01	12.32	16.79	12.89	15.20	17.54	21.54	25.45	25.45	27.45	27.45	27.45	27.45	27.45	
<b>Iran</b>															
Light 34° API 1.35% sulfur	12.81	12.81	19.45	13.45	17.31	22.10	24.92	32.02	32.87	35.37	35.37	35.37	35.37	35.37	
Heavy 31° API 1.60% sulfur	12.49	12.49	18.49	13.06	16.71	20.00	24.19	31.29	32.14	34.37	34.37	34.37	34.37	34.37	
<b>Iraq</b> 35° API 1.95% sulfur	12.61	12.62	18.56	13.70	17.27	19.96	23.29	27.96	27.96	27.96	29.96	29.96	31.96	31.96	
<b>Nigeria</b> 34° API 0.16% sulfur	14.45	14.07	20.86	14.73	19.63	23.39	25.69	32.56	34.13	34.64	35.29	36.64	36.95	36.95	
<b>UAE</b> 39° API 0.75% sulfur	12.88	13.26	19.81	14.61	17.50	21.56	25.56	29.56	29.56	29.56	31.56	31.56	31.56	31.56	
<b>Kuwait</b> 31° API 2.50% sulfur	12.37	12.26	18.48	13.36	16.93	19.49	24.14	27.50	27.50	27.50	29.50	29.50	31.50	31.50	
<b>Libya</b> 40° API 0.22% sulfur	14.06	13.89	21.16	15.21	19.49	23.45	26.47	34.67	34.67	34.67	35.44	36.67	37.00	37.00	
<b>Venezuela</b> 26° API 1.52% sulfur	12.75	12.75	17.22	13.36	16.06	19.31	20.15	26.11	26.78	26.78	27.26	29.28	29.88	29.88	
<b>Indonesia</b> 35° API 0.09% sulfur	13.55	13.55	18.35	13.90	16.35	20.68	22.48	28.75	29.50	29.50	30.27	31.50	31.50	31.50	
<b>Algeria</b> 42° API 0.10% sulfur	14.37	14.14	19.65	14.10	14.80	23.50	26.20	35.64	37.21	37.21	37.73	38.21	40.00	40.00	
<b>Qatar</b> 40° API 1.17% sulfur	13.19	13.19	19.72	14.54	17.44	21.49	25.42	29.42	29.42	29.42	31.42	31.42	33.42	33.42	
<b>Gabon</b> 29° API 1.26 % sulfur	12.80	12.80	18.20	13.23	16.55	20.44	22.56	29.32	30.00	30.00	31.10	32.00	32.00	32.00	
<b>Ecuador</b> 28° API 0.93% sulfur	12.90	12.33	22.41	15.94	22.12	22.13	28.45	33.50	33.50	31.03	36.09	35.24	34.70	33.20	

<sup>1</sup> F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.

<sup>2</sup> Weighted by the volume of production.

ILLEGIB

Table 27

1970=100

## Consumer Price Index

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	76	81	100	114	127	139	147	156	168	187
Canada	77	83	100	116	129	142	153	165	180	197
Japan	57	77	100	124	154	172	188	204	211	219
European Community										
Belgium	74	84	100	118	133	150	163	175	183	189
France	67	81	100	120	136	152	167	182	199	220
Italy	68	87	100	122	146	171	199	237	265	305
Netherlands	66	79	100	125	137	151	165	175	182	190
United Kingdom	67	80	100	127	148	184	215	249	270	306
West Germany	77	88	100	119	127	135	141	146	150	156
Communist Countries										
USSR <sup>1</sup>	88	96	100	106	108	109	111	113	115	118
Eastern Europe <sup>2</sup>										
Bulgaria <sup>3</sup>	73	86	100	109	114	116	120	126	132	135
Czechoslovakia	74	80	100	106	109	111	113	114	116	120
East Germany	87	92	100	100	103	103	104	108	109	110
Hungary	82	88	100	115	118	123	130	134	140	152
Poland	78	88	100	113	124	132	142	155	168	181
Other										
Yugoslavia	31	59	100	160	196	242	269	308	350	425

<sup>1</sup> Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the CIA index of total consumption. A more complete explanation of the methodology and a discussion of the relative merits of an "official" or "alternative" price index are contained in "Soviet Economy in a New Perspective," US Congress, Joint Economic Committee, 14 October 1976, p. 631.

<sup>2</sup> Calculated differently from that for the USSR; the official index of personal consumption in current prices was deflated by a calculated index of personal consumption in constant prices. An explanation of the methodology used to calculate personal consumption is presented in T. P. Alton, "Index of Personal Consumption in Poland, 1937 and 1946-1967," *Occasional Papers of the Research Projection National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1973).

<sup>3</sup> Price indexes are calculated from official figures for total consumption of the population, including estimates of health and education expenses.

Calculated  
LDC  
OECD

Table 28

1970=100

## Wholesale Price Index in Non-Communist Countries

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	85	87	100	116	134	148	154	164	176	196
Canada	81	88	100	132	161	172	179	196	215	246
Japan	89	90	100	116	152	157	165	168	163	176
European Community										
Belgium <sup>1</sup>	82	90	100	116	136	137	147	151	148	157
France <sup>2</sup>	77	85	100	122	158	149	160	169	176	200
Italy	77	88	100	126	177	192	236	276	299	347
Netherlands <sup>3</sup>	81	90	100	116	129	137	147	155	158	162
United Kingdom <sup>3</sup>	74	84	100	123	152	189	220	265	288	323
West Germany <sup>1 3</sup>	88	94	100	114	135	137	144	147	146	155

<sup>1</sup> Excluding the value added tax.<sup>2</sup> Intermediate goods prices.<sup>3</sup> Industrial goods prices.

Million Persons at Midyear

Table 29

## Population

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	641.7	681.7	715.4	736.3	742.0	748.6	753.0	759.4	764.8	770.1
United States	180.7	194.3	204.9	210.4	211.9	213.6	215.2	216.9	218.7	220.6
Australia	10.4	11.4	12.7	13.4	13.6	13.8	14.0	14.1	14.2	14.4
Austria	7.0	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Canada	17.9	19.7	21.3	22.1	22.4	22.7	23.0	23.3	23.5	23.7
Finland	4.4	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8
Greece	8.3	8.6	8.8	8.9	9.0	9.0	9.0	9.3	9.4	9.4
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	108.7	110.2	111.6	112.8	113.9	114.9	115.9
New Zealand	2.4	2.6	2.8	3.0	3.0	3.1	3.1	3.1	3.1	3.1
Norway	3.6	3.7	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1
Portugal	9.0	9.1	9.0	9.0	9.1	9.4	9.7	9.7	9.8	9.9
Spain	30.5	32.1	33.8	34.7	35.1	35.4	35.8	36.3	36.7	37.1
Sweden	7.5	7.7	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.3
Switzerland	5.4	5.9	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3
Turkey	28.2	32.0	35.8	38.6	40.0	40.5	41.5	42.5	43.5	44.6
European Community	232.1	243.6	251.6	256.7	257.7	258.5	258.9	259.3	259.7	260.1
Belgium	9.2	9.5	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8
Denmark	4.6	4.8	4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1
France	45.7	48.8	50.8	52.2	52.5	52.7	52.9	53.1	53.3	53.5
Ireland	2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4
Italy	50.2	52.0	53.7	54.9	55.4	55.8	56.2	56.4	56.7	56.7
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.4	13.5	13.7	13.8	13.9	13.9	14.0
United Kingdom	52.6	54.4	55.5	56.0	56.0	56.0	56.0	55.9	55.9	55.9
West Germany	55.2	58.6	60.7	62.0	62.0	61.8	61.5	61.4	61.3	61.3
Less Developed Countries	71.7	83.1	95.7	103.3	105.9	108.5	111.1	113.7	116.4	119.2
Brazil	25.9	29.4	33.0	35.1	36.0	36.9	37.8	38.8	39.9	41.0
Egypt	445.9	494.9	553.6	591.3	603.8	616.6	629.8	642.6	654.9	667.3
India	100.7	112.3	122.7	131.0	133.8	136.6	139.3	142.2	145.1	148.1
Indonesia	36.2	42.6	50.1	55.1	56.3	58.7	60.5	62.3	64.1	65.8
Mexico	27.9	32.4	37.5	40.8	41.9	43.1	44.2	45.4	46.5	47.7
Philippines	25.1	29.1	33.0	35.3	36.0	36.7	37.3	37.9	38.5	39.1
South Korea										

Table 29 (continued)

## Population

Million Persons at Midyear

46

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	311.0	330.7	345.8	354.5	357.4	360.4	363.6	366.4	369.4	372.0
USSR	214.3	230.9	242.8	249.8	252.1	254.5	256.8	259.0	261.3	263.4
Eastern Europe	96.7	99.8	103.0	104.7	105.3	105.9	106.8	107.4	108.1	108.6
Bulgaria	7.9	8.2	8.5	8.6	8.7	8.7	8.8	8.8	8.8	8.8
Czechoslovakia	13.7	14.1	14.3	14.6	14.7	14.8	14.9	15.0	15.1	15.2
East Germany	17.1	17.0	17.1	17.0	16.9	16.8	16.8	16.8	16.8	16.7
Hungary	10.0	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.7	10.7
Poland	29.6	31.3	32.5	33.3	33.6	34.0	34.3	34.6	34.9	35.2
Romania	18.4	19.0	20.3	20.8	20.9	21.1	21.4	21.6	21.8	22.0
Other										
Albania	1.6	1.9	2.1	2.3	2.3	2.4	2.5	2.5	2.6	2.7
China	681.6	736.1	848.3	911.5	931.0	949.7	966.7	982.2	997.2	1,012.2
Cuba	7.0	7.8	8.6	9.0	9.2	9.3	9.5	9.6	9.7	9.8
Kampuchea	5.4	6.1	7.1	7.3	7.3	6.7	6.2	6.0	5.9	5.8
Laos	2.4	2.7	3.0	3.2	3.2	3.3	3.4	3.5	3.5	3.6
Mongolia	1.0	1.1	1.2	1.4	1.4	1.4	1.5	1.5	1.6	1.6
North Korea	10.6	12.2	14.2	15.5	16.0	16.5	17.0	17.6	18.1	18.7
Vietnam	33.3	38.2	43.0	45.8	46.8	47.7	48.8	49.9	51.2	52.6
Yugoslavia	18.4	19.4	20.4	21.0	21.2	21.4	21.6	21.8	22.0	22.2

Million Persons at Midyear

**Table 30**  
**Labor Force<sup>1</sup>**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	72.14	77.18	85.90	91.04	93.24	94.79	96.92	99.53	102.54	105.00
Canada <sup>2</sup>	6.48	7.25	8.49	9.36	9.72	10.05	10.29	10.58	10.96	11.29
Japan <sup>2</sup>	45.11	47.87	51.53	53.26	53.10	53.23	53.78	54.52	55.32	55.96
European Community	N.A.	105	105	106	107	108	108	109	109	110
France	N.A.	20.38	21.46	22.08	22.28	22.23	22.44	22.77	22.93	23.07
Italy <sup>4</sup>	N.A.	19.92	19.50	19.37	19.60	19.80	20.38	21.90	22.12	22.57
United Kingdom	N.A.	25.50	25.30	25.54	25.60	25.83	26.09	26.33	26.36	26.38
West Germany <sup>2</sup>	N.A.	27.03	26.82	26.98	26.80	26.42	26.15	26.07	26.22	26.42
<b>Communist Countries</b>										
USSR and Eastern Europe	158	166	179	187	189	192	195	197	199	202
USSR <sup>5</sup>	110.13	116.49	125.61	131.61	133.60	135.77	137.99	140.14	141.74	144.20
Eastern Europe	48.2	49.7	53.4	55.1	55.6	56.2	56.6	57.1	57.5	57.9
Bulgaria	4.42	4.26	4.55	4.64	4.64	4.66	4.68	4.70	4.72	4.73
Czechoslovakia	6.40	6.77	7.03	7.30	7.36	7.44	7.49	7.53	7.57	7.60
East Germany	8.51	8.39	8.53	8.63	8.67	8.71	8.76	8.80	8.86	8.93
Hungary	4.74	4.78	5.00	5.17	5.20	5.22	5.23	5.23	5.23	5.23
Poland	14.13	15.21	16.89	17.70	17.99	18.28	18.56	18.84	19.09	19.33
Romania	10.00	10.27	11.36	11.68	11.77	11.85	11.92	11.97	12.02	12.07
Far East										
Vietnam <sup>7</sup>	8.50	9.70	10.95	11.85	12.15	12.50	22.00	23.00	24.50	25.50
Other										
Yugoslavia <sup>4</sup>	7.07	7.81	8.07	7.93	8.03	8.21	8.32	8.42	8.50	8.85

See Note

data available

<sup>1</sup> Unless otherwise indicated, data include the armed forces and the unemployed.  
<sup>2</sup> Annual averages of monthly data.  
<sup>3</sup> Data are as of the end of the year.  
<sup>4</sup> New series beginning in 1977.  
<sup>5</sup> Excluding the armed forces.  
<sup>6</sup> Data are from *Estimates and Projections of the Labor Force*

and *Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.  
<sup>7</sup> Excluding the armed forces and South Vietnam prior to 1976.  
<sup>8</sup> Excluding those employed abroad and the armed forces.

Cuba

2.53 2.57 2.62 2.67 2.77

Table 31

Agricultural Labor Force <sup>1</sup>

Million Persons at Midyear

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	7.06	5.61	4.52	4.34	4.39	4.34	4.37	4.16	3.94	3.94
Canada <sup>2</sup>	0.68	0.59	0.51	0.47	0.47	0.48	0.47	0.46	0.47	0.48
Japan <sup>3</sup>	12.70	10.50	8.40	6.60	6.63	6.20	6.00	5.90	5.90	5.70
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>66.3</b>	<b>58.6</b>	<b>55.0</b>	<b>52.4</b>	<b>51.5</b>	<b>50.6</b>	<b>49.8</b>	<b>49.0</b>	<b>48.1</b>	<b>47.2</b>
USSR <sup>4</sup>	45.44	40.04	37.50	35.91	35.38	34.85	34.32	33.79	33.25	32.72
Eastern Europe	<b>20.8</b>	<b>18.6</b>	<b>17.5</b>	<b>16.4</b>	<b>16.1</b>	<b>15.8</b>	<b>15.4</b>	<b>15.2</b>	<b>14.8</b>	<b>14.5</b>
Bulgaria	2.49	1.93	1.64	1.49	1.44	1.40	1.36	1.32	1.27	1.23
Czechoslovakia	1.68	1.48	1.29	1.18	1.16	1.14	1.13	1.12	1.12	1.10
East Germany	1.56	1.38	1.08	1.00	0.97	0.93	0.90	0.88	0.86	0.86
Hungary	1.83	1.42	1.26	1.17	1.12	1.09	1.07	1.05	1.02	1.02
Poland	6.66	6.39	6.32	6.19	6.14	6.09	6.05	6.00	5.94	5.90
Romania	6.62	5.97	5.87	5.41	5.25	5.10	4.94	4.79	4.64	4.40
Far East										
Vietnam <sup>5</sup>	6.50	6.75	7.65	8.30	8.50	8.70	13.40	13.90	14.50	15.10
Other										
Yugoslavia	4.14	4.12	4.01	3.56	3.37	3.21	3.08	2.88	2.75	2.69

<sup>1</sup> Excluding the armed forces.<sup>2</sup> Data are for civilian employment.<sup>3</sup> Data are as of the end of the year.<sup>4</sup> Data are from *Estimates and Projections of the Labor Force*and *Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.<sup>5</sup> Including South Vietnam beginning in 1976.Cuba <sup>2</sup>

0.67 0.68 0.68 0.68 0.63

Million Persons at Midyear

Table 32

Nonagricultural Labor Force<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	60.32	66.73	75.16	80.96	82.44	81.40	84.19	87.30	91.03	93.65
Canada <sup>2</sup>	5.30	6.47	7.41	8.29	8.65	8.80	9.01	9.18	9.50	9.89
Japan <sup>3</sup>	31.63	36.84	42.52	46.01	46.07	46.05	46.70	47.52	48.19	49.12
European Community	N.A.	87.5	90.7	92.8	93.3	92.4	92.5	93.3	93.6	96.0
France	N.A.	16.08	17.49	18.38	18.65	18.41	18.61	19.15	19.73	20.72
Italy <sup>4</sup>	N.A.	13.92	14.90	15.12	16.44	16.81	17.29	18.73	18.95	19.49
United Kingdom <sup>5</sup>	N.A.	23.84	23.59	23.89	24.03	23.93	23.76	23.89	23.90	24.13
West Germany	N.A.	23.54	23.91	24.25	23.81	23.50	23.35	23.39	23.62	24.00
<b>Communist Countries</b>										
USSR and Eastern Europe	92.0	108	124	134	138	141	145	148	151	156
USSR <sup>6</sup>	64.70	76.46	88.11	95.70	98.22	100.92	103.67	106.36	108.49	112.47
Eastern Europe	27.3	31.1	35.9	38.7	39.6	40.4	41.2	41.9	42.6	43.4
Bulgaria	1.93	2.34	2.91	3.15	3.20	3.27	3.32	3.38	3.45	3.50
Czechoslovakia	4.71	5.30	5.74	6.12	6.20	6.30	6.36	6.40	6.45	6.50
East Germany	6.95	7.00	7.46	7.63	7.70	7.78	7.85	7.93	8.00	8.07
Hungary	2.90	3.35	3.75	4.00	4.09	4.13	4.16	4.19	4.21	4.21
Poland	7.47	8.82	10.57	11.51	11.85	12.19	12.51	12.84	13.15	13.50
Romania	3.37	4.31	5.49	6.28	6.52	6.76	6.98	7.18	7.38	7.67
Far East										
Vietnam <sup>6</sup>	2.00	2.95	3.30	3.55	3.65	3.80	9.20	9.60	10.00	10.40
Other										
Yugoslavia <sup>7</sup>	2.93	3.69	4.06	4.37	4.66	5.00	5.24	5.54	5.75	6.16

<sup>1</sup> Unless otherwise indicated, data include the armed forces.  
<sup>2</sup> Civilian employment. The data are annual averages of monthly data that exclude the armed forces.  
<sup>3</sup> Data are as of the end of the year.  
<sup>4</sup> New series beginning in 1977.  
<sup>5</sup> Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy.

Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.  
<sup>6</sup> Excluding the armed forces and including South Vietnam, prior to 1976.  
<sup>7</sup> Excluding those employed abroad and the armed forces; estimated for 1979.

*8. Civilian employment.*

1.86 1.90 1.94 1.98 2.16





Table 33

Industrial Employment <sup>1</sup>

Million Persons, Annual Average

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	17.51	18.69	19.97	20.80	20.77	19.08	19.78	20.50	21.33	21.94
Canada <sup>2</sup>	N.A.	2.28	2.47	2.62	2.73	2.65	2.69	2.71	2.75	2.85
Japan <sup>2</sup>	9.89	11.79	13.97	14.56	14.41	13.62	13.63	13.59	13.41	13.45
European Community	N.A.	<b>41.2</b>	<b>41.3</b>	<b>40.5</b>	<b>40.2</b>	<b>41.4</b>	<b>40.6</b>	<b>41.1</b>	<b>40.7</b>	<b>40.6</b>
France	N.A.	7.69	8.06	8.24	8.27	7.46	7.40	7.33	7.17	7.08
Italy <sup>3</sup>	N.A.	7.66	8.12	8.05	8.06	8.30	8.23	7.67	7.63	7.65
United Kingdom	N.A.	11.54	10.91	10.48	10.46	10.02	9.76	9.82	9.76	9.69
West Germany	N.A.	13.10	13.00	12.80	12.40	11.60	11.40	11.30	11.40	11.50
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>34.0</b>	<b>40.3</b>	<b>46.1</b>	<b>48.5</b>	<b>49.4</b>	<b>50.3</b>	<b>51.2</b>	<b>52.0</b>	<b>52.6</b>	<b>53.1</b>
USSR	22.62	27.45	31.59	32.88	33.43	34.05	34.81	35.42	36.01	36.37
Eastern Europe	<b>11.4</b>	<b>12.8</b>	<b>14.5</b>	<b>15.6</b>	<b>16.0</b>	<b>16.3</b>	<b>16.4</b>	<b>16.6</b>	<b>16.7</b>	<b>16.8</b>
Bulgaria	0.72	0.90	1.09	1.17	1.20	1.22	1.22	1.23	1.21	1.22
Czechoslovakia	2.21	2.41	2.60	2.66	2.68	2.70	2.71	2.73	2.75	2.79
East Germany	2.78	2.78	2.85	3.05	3.07	3.07	3.10	3.11	3.13	3.13
Hungary	1.39	1.57	1.79	1.79	1.81	1.80	1.80	1.76	1.73	1.70
Poland	3.01	3.50	4.12	4.48	4.60	4.68	4.68	4.72	4.78	4.77
Romania	1.25	1.67	2.06	2.48	2.66	2.80	2.91	3.03	3.10	3.15
Far East										
Vietnam <sup>4</sup>	0.75	0.95	1.10	1.20	1.20	1.25	2.10	2.00	2.00	2.01
Other										
Yugoslavia	1.07	1.38	1.45	1.65	1.75	1.84	1.89	1.95	2.02	2.10

<sup>1</sup> Including employment in manufacturing, mining, and electric power.<sup>2</sup> Data are as of the end of the year.<sup>3</sup> New series beginning in 1977.<sup>4</sup> Including South Vietnam beginning in 1976.

Table 34 *33*

Percent

Big Seven: Unemployment Rates <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	5.5	4.5	4.9	4.9	5.6	8.5	7.7	7.0	6.0	5.8
Canada	7.0	3.9	5.7	5.5	5.3	6.9	7.1	8.1	8.4	7.5
France	1.8	1.6	2.6	2.7	3.0	4.3	4.7	5.0	5.4	6.2
Italy	3.8	3.5	3.1	3.4	2.8	3.2	3.6	3.4	3.5	3.7
Japan	1.7	1.2	1.2	1.3	1.4	1.9	2.0	2.0	2.2	2.1
United Kingdom <sup>2</sup>	2.2	2.2	3.1	2.9	2.9	4.1	5.5	6.0	6.0	5.6
West Germany <sup>3</sup>	1.1	0.5	0.6	1.0	2.2	4.1	4.1	4.0	3.8	3.3

7.1

<sup>1</sup> Data adjusted to US concepts.  
<sup>2</sup> Excluding Northern Ireland.  
<sup>3</sup> Unemployment as a share of total civilian labor force.

*none do next page*

*17  
15*

Table 2534

Percent

Big Seven: Unemployment Rates, by Month

	United States	Big Six Foreign Countries <sup>1</sup>	Japan	West Germany	France	United Kingdom	Italy	Canada
1975 Jan	8.0	3.0	1.7	3.7	3.2	3.0	5.5	6.6
Feb	8.1	3.1	1.7	4.0	3.4	3.1	5.5	6.6
Mar	8.6	3.2	1.7	4.3	3.5	3.2	6.0	6.8
Apr	8.8	3.4	1.8	4.7	3.7	3.4	6.0	6.8
May	9.1	3.5	1.8	5.0	3.9	3.6	6.0	6.9
Jun	8.7	3.6	1.9	5.2	4.1	3.8	5.8	7.0
Jul	8.6	3.7	1.9	5.2	4.2	4.1	5.8	6.9
Aug	8.4	3.8	1.9	5.2	4.2	4.3	5.8	7.2
Sep	8.5	3.8	2.0	5.2	4.3	4.4	6.2	7.0
Oct	8.4	3.9	2.2	5.1	4.3	4.6	6.2	7.2
Nov	8.3	3.9	2.2	5.0	4.2	4.8	6.2	7.2
Dec	8.2	3.9	2.1	4.9	4.2	5.0	6.4	7.0
1976 Jan	7.9	3.8	2.0	4.6	4.2	5.1	6.4	6.9
Feb	7.7	3.8	2.0	4.8	4.2	5.2	6.4	6.9
Mar	7.6	3.8	1.9	4.8	4.3	5.2	6.7	6.7
Apr	7.6	3.9	2.0	4.7	4.3	5.3	6.7	7.1
May	7.4	3.9	2.1	4.6	4.4	5.3	6.7	7.0
Jun	7.5	3.9	2.1	4.6	4.5	5.3	6.8	7.0
Jul	7.7	4.0	2.1	4.6	4.4	5.5	6.8	7.3
Aug	7.8	3.9	2.0	4.6	4.4	5.6	6.8	7.1
Sep	7.7	3.9	2.0	4.5	4.3	5.5	6.9	7.1
Oct	7.7	3.9	2.0	4.5	4.3	5.5	6.9	7.5
Nov	7.8	3.9	2.0	4.4	4.3	5.6	6.9	7.4
Dec	7.8	3.8	1.8	4.4	4.3	5.6	6.9	7.5
1977 Jan	7.4	3.9	1.8	4.4	4.5	5.7	6.9	7.6
Feb	7.6	4.0	1.9	4.4	4.6	5.6	6.9	7.9
Mar	7.4	4.0	1.9	4.4	4.7	5.6	7.1	8.0
Apr	7.1	4.0	1.9	4.5	4.7	5.6	7.1	8.1
May	7.1	4.1	2.1	4.6	4.9	5.6	7.1	7.8
Jun	7.1	4.2	2.2	4.6	5.0	5.7	7.5	7.9
Jul	6.9	4.3	2.2	4.6	5.2	5.9	7.5	8.1
Aug	7.0	4.3	2.1	4.6	5.4	5.9	7.5	8.2
Sep	6.8	4.2	2.0	4.6	5.2	6.0	7.1	8.2
Oct	6.8	4.2	2.0	4.6	5.0	6.0	7.1	8.3
Nov	6.7	4.2	2.1	4.6	4.9	6.0	7.1	8.4
Dec	6.4	4.2	2.1	4.5	4.8	6.0	7.2	8.5

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1978 Jan	6.3	4.1	2.1	4.4	4.7	5.9	7.2	8.3
Feb	6.1	4.2	2.1	4.5	4.8	5.9	7.2	8.3
Mar	6.2	4.2	2.1	4.5	5.0	5.8	7.2	8.6
Apr	6.0	4.2	2.2	4.4	5.0	5.8	7.2	8.5
May	6.1	4.3	2.3	4.5	5.2	5.7	7.2	8.5
Jun	5.7	4.3	2.3	4.4	5.4	5.7	7.2	8.3
Jul	6.2	4.3	2.3	4.3	5.6	5.7	7.2	8.4
Aug	5.9	4.3	2.3	4.3	5.7	5.6	7.3	8.5
Sep	6.0	4.4	2.4	4.3	5.6	5.6	7.3	8.2
Oct	5.8	4.3	2.3	4.3	5.6	5.6	7.3	8.2
Nov	5.8	4.2	2.3	4.2	5.5	5.5	7.3	8.1
Dec	5.9	4.3	2.3	4.1	5.7	5.5	7.7	8.1
1979 Jan	5.8	4.2	2.1	4.2	5.7	5.6	7.7	8.0
Feb	5.8	4.2	2.1	4.2	5.7	5.6	7.7	7.8
Mar	5.7	4.2	2.0	4.1	5.9	5.7	7.7	7.8
Apr	5.7	4.2	2.1	3.9	6.0	5.6	7.7	7.8
May	5.8	4.2	2.2	3.8	6.1	5.5	7.7	7.6
Jun	5.8	4.2	2.2	3.8	6.1	5.5	7.7	7.6
Jul	5.8	4.2	2.0	3.7	6.3	5.4	7.7	7.6
Aug	5.6	4.2	2.0	3.7	6.3	5.3	8.0	7.4
Sep	5.6	4.2	2.0	3.8	6.4	5.3	8.0	7.4
Oct	5.7	4.2	2.2	3.7	6.4	5.3	8.0	7.1
Nov	6.0	4.2	2.2	3.7	6.4	5.2	8.0	7.2
Dec	6.0	4.2	2.2	3.7	6.4	5.2	8.0	7.1
1979 Jan	5.8	4.1	2.0	3.6	6.2	5.2	7.3	7.4
Feb	5.8	4.1	2.0	3.6	6.2	5.2	7.3	7.4
Mar	6.0	4.1	2.1	3.6	6.1	5.3	7.3	7.4
Apr	6.0	4.1	2.1	3.6	6.1	5.3	7.3	7.4
May	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Jun	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Jul	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Aug	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Sep	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Oct	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Nov	5.8	4.1	2.1	3.6	6.2	5.3	7.3	7.3
Dec	5.9	4.0	2.0	3.5	6.2	5.3	7.3	7.1

1 Weighted average, excluding data for Italy.

Table 36

Foreign Trade Exchange Rates of the Communist Countries<sup>1</sup>

Units per US \$

	Unit of Currency	1971	1972	1973	1974	1975	1976	1977	1978	1979
USSR	Ruble	0.900	0.824	0.739	0.756	0.720	0.754	0.736	0.681	0.654
Eastern Europe										
Bulgaria	Lev	1.17	1.08	0.97	0.97	0.97	0.97	0.95	0.90	0.88
Czechoslovakia	Koruna	7.20	6.63	5.84	5.84	5.58	5.77	5.64	5.46	5.35
East Germany <sup>2</sup>	Deutsche mark East	4.20	3.87	3.48	3.48	3.48	3.48	3.48	3.48	3.48
Hungary <sup>3</sup>	Forint	11.74	10.81	9.50	9.15	-8.57	41.56	40.96	37.09	35.57
Poland	Zloty	4.00	3.68	3.32	3.32	3.32	3.32	3.32	3.32	3.09
Romania	Leu	6.00	5.53	4.97	4.97	4.97	4.97	4.97	4.47	4.47
Far East										
China	Yuan	2.39	2.25	2.01	1.96	1.85	1.94	1.85	1.68	1.55
North Korea <sup>4</sup>	Won	2.36	2.36	2.06	2.15	2.02	2.02	2.02	1.86	N.A.
Vietnam	Dong	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2.30	2.54	2.17
Other										
Albania	Lek	5.00	4.61	4.14	4.14	4.14	4.14	4.14	4.14	4.14
Cuba	Peso	1.00	0.92 <sup>2</sup>	0.84 <sup>4</sup>	0.84 <sup>3</sup>	0.84 <sup>3</sup>	0.84 <sup>2</sup>	0.87 <sup>9</sup>	0.78 <sup>5</sup>	0.72
Mongolia	Tugrik	N.A.	N.A.	3.31	N.A.	N.A.	N.A.	3.30	3.11	3.11
Yugoslavia	Dinar	14.96	17.00	16.19	15.91	17.39	18.19	18.30	18.64	19.00

<sup>1</sup> Average exchange rate for the year. Some countries also have special exchange rates for noncommercial transactions, such as diplomatic, tourist, and student expenditures and for personal remittances.

<sup>2</sup> The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05 deutsche marks to the dollar.

<sup>3</sup> Since January 1976, Hungary has expressed the value of its foreign trade in domestic forints rather than diviza forints.

<sup>4</sup> End of year rate. Non-commercial rate through 1977; 1978 is a "special" rate for March 1978 as reported.

0.71

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**Soviet Economic  
Performance**

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Table 37

Percent

USSR: Percent Distribution of Gross National Product at Factor Cost,<sup>1</sup> by End Use

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
Total	100	100	100	100	100	100	100	100	100	100
Consumption <sup>3</sup>	63	59	59	58	58	59	58	58	57	58
Investment	21	24	25	26	27	27	28	28	28	28
New fixed <sup>4</sup>	17	19	20	21	21	21	22	22	22	22
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	16	17	16	16	15	14	14	14	15	14

<sup>1</sup> Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over

time by indexes of the various end uses in constant prices.

<sup>2</sup> Preliminary.

<sup>3</sup> Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

<sup>4</sup> Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Table 38

Percent

USSR: Growth of Gross National Product at Factor Cost, by End Use<sup>1</sup>

	Average Annual Rate of Growth				1974	1975	1976	1977	1978	1979
	1961-65	1966-70	1971-73	1974						
Total	5.1	5.3	4.4	4.0	1.9	4.6	3.6	3.5	0.7	
Consumption <sup>2</sup>	3.9	5.3	3.5	3.6	3.8	3.0	2.7	2.6	2.5	
Investment	7.7	5.9	6.1	6.7	2.0	8.3	5.4	3.9	0.9	
New fixed <sup>3</sup>	7.5	6.5	4.9	6.4	3.2	8.1	4.8	3.3	0.3	
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	6.2	4.1	5.2	0.9	-5.6	4.4	3.7	6.2	-7.3	

<sup>1</sup> Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

<sup>2</sup> Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

<sup>3</sup> Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Billion Rubles

Table 39

USSR: Gross Fixed Capital Investment, by Function and by Sector<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
Total investment	41.3	56.0	80.7	97.0	104.0	112.9	118.0	122.3	129.7	130.9
By function										
Construction and installation	29.1	35.5	49.9	59.1	62.3	66.2	67.0	68.4	69.5	69.4
Equipment	10.0	16.9	24.4	29.9	32.9	37.1	40.7	43.0	46.6	47.6
Other capital outlays	2.2	3.6	6.3	8.0	8.8	9.6	10.3	10.9	13.6	13.9
By sector										
Industry	14.86	20.63	28.66	34.11	36.56	39.85	41.59	43.45	46.03	N.A.
Ferrous metallurgy	1.39	1.78	2.02	2.76	2.95	2.80	2.91	3.06	3.03	N.A.
Chemicals and petrochemicals	1.03	2.16	2.40	3.05	3.47	3.79	3.97	4.48	5.32	N.A.
Fuels and power	4.29	6.50	8.04	9.52	10.15	10.94	11.42	11.98	13.41	N.A.
Machine building and metalworking	2.04	3.11	5.96	7.14	7.86	9.41	10.05	10.57	11.11	N.A.
Construction materials	1.18	1.01	1.67	1.91	1.88	1.86	1.66	1.89	1.80	N.A.
Consumer goods	2.00	2.43	3.50	4.07	4.29	4.54	4.42	4.26	4.32	N.A.
Other <sup>3</sup>	2.93	3.64	5.07	5.66	5.96	6.51	7.16	7.21	7.04	N.A.
Construction industry	1.14	1.46	2.91	3.55	3.73	4.25	4.99	4.65	4.80	N.A.
Transport and communications	3.83	5.40	7.61	10.10	11.02	12.17	13.32	13.89	16.24	N.A.
Agriculture	5.44	9.47	14.27	19.85	21.58	23.29	24.27	24.91	25.79	N.A.
Housing	9.40	9.59	13.36	15.05	15.50	16.26	16.50	17.01	17.52	N.A.
Services	6.63 <sup>4</sup>	9.45	13.81	14.30	15.50	17.07	17.29	18.37	19.31	N.A.

<sup>1</sup> The construction portion of gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1976. Investment in machinery and equipment is in wholesale prices of 1 January 1973. Other capital outlays are for surveys, designs, technical documentation, and the like. Their valuation in investment statistics has never been described in Soviet sources. Before 1976, Soviet statistical publications reported investment in prices of 1 January 1969. Official Soviet price indexes show only small changes in construction costs and equipment prices between 1969 and 1976. The USSR has yet to release figures in 1976 prices for total investment in 1960, and for investment by

sector in 1960, 1965, 1973, and 1974. Data for these years in 1969 prices were converted to 1976 prices by comparing investment in old and new prices for those years where data are available in both sets of prices. This table is not comparable to earlier versions published in this *Handbook* before 1978.

<sup>2</sup> Preliminary.

<sup>3</sup> Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

<sup>4</sup> Computed as a residual.



Table 40

USSR: Stock of Fixed Capital, by Sector <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
Total capital stock <sup>3</sup>	397	601	860	1,083	1,167	1,256	1,345	1,437	1,540	1,638
Industry	101	168	255	326	355	385	416	445	479	515
Ferrous metallurgy	10	17	25	32	35	38	41	43	46	N.A.
Chemicals and petrochemicals	5	14	23	30	33	36	39	41	45	N.A.
Fuels and power	32	48	78	96	103	113	122	130	139	N.A.
Machine building and metalworking	18	32	51	68	75	83	92	100	110	N.A.
Construction materials	6	10	15	19	21	22	24	25	27	N.A.
Consumer goods	14	22	32	41	44	49	52	55	58	N.A.
Timber, woodworking, and paper	6	9	13	16	18	18	20	20	22	N.A.
Other	10	16	18	24	26	26	26	31	32	N.A.
Construction industry	7	12	22	30	33	35	39	43	48	52
Trade, public dining, material, technical supply	10	20	31	40	42	47	51	55	59	62
Agriculture <sup>3</sup>	53	77	106	139	154	167	180	194	211	224
Transport and communications	53	83	117	147	158	171	182	195	209	223
Housing	120	159	204	239	253	267	280	294	309	324
Services	53	82	125	162	172	184	197	211	225	238

<sup>1</sup> The fixed capital series presented here is expressed in prices of 1973 with the value of stocks estimated as of 31 December of the respective year.

<sup>2</sup> Preliminary.

<sup>3</sup> Including the value of basic herds.

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Average Annual Rate of Growth in Percent

Table 41

## USSR: Aggregate Factor Productivity

*used 1971-73*

	1961-65 <sup>1</sup>	1966-70 <sup>1</sup>	1973	1974	1975	1976	1977	1978	1979
Gross national product <sup>2</sup>	5.1	5.3	7.0	4.0	1.9	4.6	3.6	3.5	0.7
Factor productivity	0.7	1.2	2.8	-0.4	-1.8	1.0	-0.1	-0.3	-2.6
Manhours	3.5	3.2	5.5	1.9	0.7	3.5	2.1	1.8	-0.4
Capital	-3.3	-2.0	-1.0	-3.6	-5.4	-2.5	-3.1	-3.3	-5.7
Land	4.5	5.6	5.1	3.5	1.4	4.6	3.8	3.5	0.7
Combined inputs <sup>3</sup>	4.4	4.1	4.1	4.4	3.8	3.6	3.7	3.8	3.4
Manhours	1.5	2.0	1.4	2.0	1.1	1.1	1.5	1.7	1.1
Capital	8.7	7.4	8.0	7.9	7.7	7.3	7.0	7.0	6.8
Land	0.6	-0.3	1.8	0.4	0.4	0	-0.2	0	0

<sup>1</sup> For computing average annual rates of growth, the base year is the year prior to the stated period.

<sup>2</sup> Based on indexes of GNP (1970 rubles), by sector of origin, at factor cost.

<sup>3</sup> Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a

Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a 20-percent charge on gross fixed capital, including livestock), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Average Annual Rate of Growth in Percent

Table 42

## USSR: Industrial Factor Productivity

*used 1971-73*

	1961-65 <sup>1</sup>	1966-70 <sup>1</sup>	1973	1974	1975	1976	1977	1978	1979
Industrial production	6.8	6.4	6.3	6.3	5.9	4.1	4.1	3.8	2.2
Factor productivity	-0.1	0.6	1.9	1.1	0.9	-0.9	-0.3	-0.5	-1.8
Manhours	3.9	3.2	5.7	4.3	4.2	1.8	2.6	2.1	0.9
Capital	-4.0	-2.2	-2.0	-2.3	-2.6	-3.8	-3.4	-3.3	-4.7
Combined inputs <sup>2</sup>	6.8	5.7	4.3	5.2	4.9	5.1	4.4	4.3	4.0
Manhours	2.9	3.1	0.6	2.0	1.7	2.2	1.5	1.7	1.2
Capital	11.3	8.7	8.5	8.8	8.7	8.2	7.7	7.3	7.2

<sup>1</sup> For computing the average annual rates of growth, the base year is the year prior to the stated period.

<sup>2</sup> Inputs of manhours and capital are combined using weights of 52.4 percent and 47.6 percent, 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 (depreciation and a 20-percent charge on gross fixed capital) in 1970, the base year for all indexes underlying the growth rate calculations.

1980

-0.8

Table 43

USSR: Industrial Production, by Branch of Industry <sup>1</sup>

Average Annual Rate of Growth in Percent

1971-73

	1961-65 <sup>1</sup>	1966-70 <sup>2</sup>	1971-73 <sup>3</sup>	1974	1975	1976	1977	1978 <sup>3</sup>	1979 <sup>3</sup>
Industrial materials	6.8	5.9	5.6	5.5	5.8	3.6	2.9	2.4	0.4
Electricity	11.5	7.9	6.8	6.7	6.6	6.9	3.6	4.5	3.1
Fuels	6.3	5.0	4.9	4.9	5.9	3.7	4.1	3.4	2.2
Ferrous metals	7.2	5.0	4.0	4.2	4.3	2.7	0.9	2.9	-0.9
Nonferrous metals	7.7	8.1	5.9	7.0	4.7	2.8	2.5	0.9	0.1
Wood, pulp, and paper products	2.6	2.9	2.7	1.8	3.6	0	0.5	-0.1	0.8
Construction materials	5.4	5.7	6.0	4.7	4.5	3.5	1.8	0.6	-2.5
Chemicals	12.0	8.9	9.0	9.5	9.9	4.8	5.8	3.1	-1.4
Total machinery	8.2	7.0	9.8	8.0	6.8	6.0	6.1	6.4	5.0
Of which:									
Producer durables	9.1	7.0	9.4	9.0	8.1	6.7	6.7	6.8 <sup>4</sup>	NA
Consumer durables	9.8	10.3	13.0	10.8	8.9	6.4	7.3	6.9 <sup>4</sup>	NA
Nondurable consumer goods	4.7	6.5	1.8	5.4	4.1	1.4	3.2	1.9	0.5
Soft goods	2.6	7.2	2.8	2.7	2.9	4.2	2.5	1.8	0.4
Processed foods	6.8	5.9	0.8	7.9	5.3	-1.0	3.8	2.1	0.5
Total industrial production	6.8	6.4	6.3	6.3	5.9	4.1	4.1	3.8	2.2

1980  
 2.3  
 4.5  
 2.3  
 -0.3  
 0.8  
 2.8  
 1.0  
 5.7  
 4.4  
 4.1  
 NA  
 0.1  
 2.9  
 -1.4  
 2.9

<sup>1</sup> Based on CIA estimates rather than Soviet official series. The latter are believed to contain an upward bias in rates of growth because of double-counting and disguised inflation. The branch indexes shown above are formed by combining a sample of products in which intrabranch purchases have been excluded. The indexes for industrial materials, consumer nondurables, and total industrial

production are formed by combining the component branch indexes using 1970 value-added weights.

<sup>2</sup> The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

<sup>3</sup> Preliminary.

<sup>4</sup> Estimate.

Million US \$

Table 44

## USSR: Hard Currency Balance of Payments

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>1</sup>
Trade Balance	-250	-186	-500	-1,757	-978	-6,422	-5,595	-3,300	-3,794	-2,069
Exports, f.o.b.	768	1,374	2,201	4,790	7,470	7,835	9,721	11,345	13,157	19,524
Imports, f.o.b.	1,018	1,560	2,701	6,547	8,448	14,257	15,316	14,645	16,951	21,593
Gold sales	200	550	0	900	1,178	725	1,369	1,618	2,673	2,200
Net interest	-2	-17	-83	-80	-102	-568	-716	-846	-1,081	-1,200
Other invisibles and hard currency trade not included elsewhere <sup>2</sup>	-66	-46	605	2,088	1,916	1,551	2,011	3,300	3,468	5,180
Current account balance	-118	301	22	1,151	2,014	-4,714	-2,931	772	1,266	4,111
Direct investment abroad <sup>3</sup>	0	0	0	-9	-11	-3	-31	0	0	0
Borrowing from abroad <sup>4</sup>	88	41	291	1,340	1,426	5,402	4,694	1,777	1,785	-27
Lending to other countries <sup>5</sup>	0	0	-25	-809	-1,029	295	-1,711	140	-1,612	-1,100
Capital account balance	88	41	266	522	386	5,694	2,952	1,917	173	-1,127
Errors and omissions <sup>6</sup>	30	-342	-288	-1,673	-2,400	-980	-21	-2,689	-1,439	-2,984

<sup>1</sup> Estimated.<sup>2</sup> Including estimated receipts from arms sales, official transfers, and net receipts from tourism and transportation.<sup>3</sup> Estimated investment in Soviet banking operations in the West.<sup>4</sup> Soviet drawings on Western credits and East European investment in construction of the Orenburg pipeline. Excludes borrowings by the International Investment Bank and International Bank for Economic Cooperation, which borrow on behalf of CEMA countries.

tries. The extent to which the USSR has borrowed (if at all) from these CEMA banks is unknown.

<sup>5</sup> Net change in Soviet assets held with Western commercial banks and in outstanding trade credits extended to finance Soviet exports.<sup>6</sup> Including intra-CEMA hard currency trade and other hard currency payments.IN  
90.9

Table 45

Million US \$

USSR: Estimated Drawings and Scheduled Repayments on Western Credits <sup>1</sup>

	Estimated Drawings <sup>2</sup>	Repayments <sup>3</sup>	Interest <sup>4</sup>	Amount Available to Offset Trade Deficit	Gross Debt Outstanding at End of Year
1970	450	159	83	208	1,515
1971	511	223	135	153	1,803
1972	878	276	170	432	2,405
1973	1,737	397	332	1,008	3,746
1974	2,052	625	508	919	5,172
1975	6,371	969	804	4,598	10,574
1976	5,661	1,386	1,012	3,263	14,848
1977	2,850	1,975	1,140	-265	15,725
1978	3,851	2,352	1,769	-270	17,224
1979	2,776	2,800	1,954	-1,978	17,200

<sup>1</sup> Totals for 1970-78 reflect recent revision of Soviet debt estimates.

<sup>2</sup> Drawings on credits backed by Western government guarantees and on commercial credits, which lack official guarantees.

<sup>3</sup> Scheduled repayments on government-backed debt and known repayments on medium-term commercial debt.

<sup>4</sup> Interest payments on government-backed debt and on gross commercial debt.

**Table 46** Million Troy Ounces  
**USSR: Gold Production and Reserves**

	Production	Reserves
1965	5.33	29.61
1966	5.69	33.01
1967	5.94	36.84
1968	6.23	41.37
1969	6.59	46.77
1970	7.00	52.43
1971	7.20	57.77
1972	7.81	59.22
1973	8.03	56.16
1974	8.42	59.02
1975	8.29	61.08
1976	8.87	57.77
1977	9.19	54.72
1978	9.54	49.08
1979	9.87	50.83

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**Table 47**

Million US \$

**Exports by Selected Non-Communist Countries <sup>1</sup>**

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>83,796</b>	<b>126,331</b>	<b>221,676</b>	<b>248,482</b>	<b>295,624</b>	<b>404,220</b>	<b>538,414</b>	<b>573,767</b>	<b>638,999</b>	<b>724,947</b>	<b>869,090</b>	<b>1,065,850</b>
United States <sup>2</sup>	19,651	26,751	42,659	43,549	49,199	70,823	97,908	107,130	114,800	121,150	143,570	181,640
Australia	2,050	3,005	4,771	5,212	6,462	9,559	11,025	11,943	13,155	13,352	14,146	18,666
Canada	5,834	8,471	16,747	18,370	21,165	26,435	34,511	34,073	40,598	43,545	48,122	58,190
Japan	4,055	8,452	19,318	24,087	29,095	37,081	55,554	55,727	67,321	81,084	98,338	102,284
Spain	725	935	2,388	2,962	3,817	5,199	7,091	7,691	8,730	10,223	13,115	18,208
Sweden	2,565	3,971	6,795	7,478	8,769	12,201	15,939	17,384	18,435	19,082	21,786	27,559
Switzerland	1,859	2,941	5,063	5,738	6,842	9,525	11,934	12,953	14,835	17,614	23,561	26,538
European Community	<b>42,286</b>	<b>64,830</b>	<b>112,764</b>	<b>129,062</b>	<b>155,152</b>	<b>212,027</b>	<b>276,895</b>	<b>298,436</b>	<b>328,815</b>	<b>382,304</b>	<b>462,360</b>	<b>577,531</b>
Belgium-Luxembourg	3,792	6,394	11,600	12,726	16,152	22,484	28,328	28,802	32,890	37,539	45,053	56,249
Denmark	1,494	2,320	3,356	3,688	4,432	6,248	7,719	8,712	9,115	10,065	11,882	14,613
France	6,867	10,176	18,098	20,811	26,451	36,659	46,255	53,118	57,162	64,997	79,378	100,691
Ireland	426	619	1,120	1,313	1,611	2,132	2,654	3,192	3,315	4,402	5,683	7,174
Italy	3,654	7,200	13,206	15,116	18,607	22,224	30,469	34,816	37,261	45,305	56,068	72,232
Netherlands	4,028	6,398	11,774	13,963	16,791	24,055	32,821	35,097	40,214	43,700	50,138	63,669
United Kingdom	10,609	13,810	19,382	22,383	24,377	30,659	39,396	44,523	46,696	58,205	71,705	91,016
West Germany	11,416	17,913	34,228	39,062	46,731	67,566	89,253	90,176	102,162	118,091	142,453	171,887
<b>Other Countries</b>												
Algeria	394	637	1,009	857	1,306	1,896	4,598	4,691	5,201	5,928	6,347	8,198
Argentina	1,079	1,493	1,773	1,740	1,941	3,266	3,931	2,961	3,916	5,652	6,400	N.A.
Brazil	1,268	1,596	2,739	2,904	3,991	6,199	7,951	8,670	10,128	12,120	12,659	15,244
Chile	488	637	1,249	962	855	1,231	2,481	1,661	2,083	2,190	2,408	3,763
Colombia	465	539	736	690	866	1,191	1,417	1,465	1,745	2,433	3,060	3,381
Egypt	568	605	762	789	825	1,125	1,516	1,402	1,522	1,708	1,737	1,840
Hong Kong	689	1,143	2,514	2,875	3,448	5,070	5,959	6,019	8,526	9,704	11,208	11,273
India	1,332	1,687	2,026	2,034	2,452	2,917	3,926	4,406	5,551	6,378	6,668	6,939
Indonesia	841	762	1,152	1,247	1,534	3,061	7,426	7,102	8,547	10,853	11,643	15,590
Iran	844	1,305	2,624	3,825	4,040	6,205	21,575	20,211	23,502	24,246	22,431	19,001
Iraq	467	710	847	1,139	1,108	1,955	6,600	8,297	9,272	9,664	11,009	21,449
Israel	217	430	779	958	1,147	1,459	1,906	1,941	2,415	3,084	3,921	4,553
Kuwait	962	1,284	1,693	2,272	2,557	3,321	9,854	8,644	9,844	9,801	10,464	17,480
Libya	11	1,006	2,833	2,848	2,425	3,454	7,129	6,042	8,306	9,761	9,503	15,236
Malaysia	1,186	1,236	1,686	1,644	1,722	3,046	4,235	3,831	5,295	6,080	7,413	11,077
Mexico	765	1,120	1,403	1,507	1,699	2,261	2,988	2,904	3,418	4,517	5,958	8,982
Nigeria	475	752	1,240	1,816	2,180	3,466	9,699	7,776	10,085	11,780	10,509	17,801
Pakistan	394	528	724	666	679	958	1,113	1,052	1,167	1,189	1,475	2,056

Peru	435	667	1,048	893	944	1,049	1,520	1,292	1,265	1,603	1,949	3,532
Philippines	623	697	1,013	1,096	1,096	1,824	2,730	2,263	2,513	3,094	3,333	4,533
Saudi Arabia	891	1,396	2,358	3,447	4,516	7,693	31,200	27,996	36,437	41,210	37,935	59,334
Singapore	1,136	981	1,554	1,763	2,191	3,667	5,810	5,376	6,585	8,241	10,134	14,233
South Africa <sup>1</sup>	1,995	2,585	3,355	3,509	4,197	6,114	8,760	8,959	7,976	9,987	12,875	18,402
South Korea	33	175	835	1,068	1,624	3,225	4,460	5,081	7,715	10,047	12,718	15,055
Taiwan	164	450	1,428	1,998	2,914	4,375	5,517	5,301	8,155	9,349	12,682	16,068
Thailand	411	622	710	831	1,081	1,564	2,444	2,208	2,980	3,490	4,085	5,304
Venezuela	2,305	2,428	2,599	3,086	3,126	4,891	10,834	8,800	9,299	9,551	9,187	14,158
Zaire	480	306	796	687	692	1,004	1,295	865	904	988	925	1,323
Zambia	577	533	1,001	679	758	1,147	1,407	810	1,036	893	817	N.A.

<sup>1</sup> Data are from the International Monetary Fund, *International Financial Statistics*. Exports are f.o.b.

<sup>2</sup> Excluding Department of Defense shipments.

<sup>3</sup> Including data for Botswana, Lesotho, Swaziland, and Namibia.

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Table 48

Million US \$

Imports by Selected Non-Communist Countries <sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>87,224</b>	<b>133,979</b>	<b>231,139</b>	<b>257,357</b>	<b>306,680</b>	<b>421,725</b>	<b>600,431</b>	<b>601,780</b>	<b>693,796</b>	<b>787,250</b>	<b>908,172</b>	<b>1,163,723</b>
United States	16,367	23,185	42,429	48,342	58,862	73,575	107,996	103,389	129,565	157,560	183,093	218,927
Australia	2,662	3,763	5,055	5,224	5,136	7,685	12,397	11,097	12,389	13,515	15,568	18,230
Canada	6,163	8,687	14,255	16,538	20,020	24,743	34,418	36,208	40,356	42,226	46,388	56,783
Japan	4,491	8,169	18,881	19,722	23,868	38,449	62,108	57,853	64,895	71,340	79,910	109,815
Spain	722	3,040	4,747	5,006	6,829	9,671	15,427	16,264	17,474	17,835	18,713	25,438
Sweden	2,901	4,377	7,007	7,082	8,110	10,628	16,457	17,450	19,628	20,140	20,589	28,596
Switzerland	2,206	3,642	6,374	7,191	8,468	11,621	14,445	13,303	14,775	17,940	23,804	29,356
European Community	<b>45,161</b>	<b>69,339</b>	<b>116,613</b>	<b>130,477</b>	<b>154,725</b>	<b>216,418</b>	<b>295,907</b>	<b>301,949</b>	<b>345,555</b>	<b>390,158</b>	<b>463,070</b>	<b>604,550</b>
Belgium-Luxembourg	3,970	6,502	11,412	12,900	15,490	22,074	29,875	30,779	35,546	40,408	48,728	60,393
Denmark	1,805	2,823	4,407	4,615	5,088	7,802	9,927	10,368	12,427	13,265	14,808	18,453
France	6,282	10,384	19,132	21,336	27,001	37,727	52,914	53,964	64,391	70,497	81,795	107,008
Ireland	634	1,041	1,624	1,836	2,102	2,791	3,812	3,778	4,195	5,394	7,107	9,860
Italy	4,733	7,378	14,969	15,980	19,318	27,796	41,090	38,367	43,431	48,091	56,459	77,962
Netherlands	4,531	7,471	13,426	15,408	17,521	24,493	33,691	35,604	40,534	46,508	53,833	68,214
United Kingdom	13,034	16,128	21,696	23,924	27,831	38,842	55,018	54,159	56,605	64,520	78,586	102,949
West Germany	10,172	17,612	29,947	34,478	40,374	54,893	69,580	74,930	88,421	101,475	121,754	159,711
<b>Other Countries</b>												
Algeria	1,264	672	1,257	1,227	1,493	2,242	4,257	6,008	5,339	7,125	8,530	8,100
Argentina	1,249	1,199	1,694	1,868	1,905	2,230	3,635	3,947	3,033	4,162	3,834	N.A.
Brazil	1,462	1,096	2,849	3,701	4,783	6,999	14,168	13,592	13,726	13,257	15,054	19,677
Chile	526	604	941	980	933	1,098	1,911	1,535	1,776	2,414	3,002	4,218
Colombia	519	454	843	929	859	1,062	1,597	1,495	1,702	2,028	2,928	4,437
Egypt	668	879	787	904	877	908	2,351	3,934	3,807	4,816	6,727	3,837
Hong Kong	1,026	1,569	2,905	3,391	3,869	5,661	6,768	6,767	8,882	10,541	13,109	17,300
India	2,303	2,838	2,405	2,420	2,242	3,210	5,136	6,381	5,665	6,647	7,929	8,800
Indonesia	574	695	1,002	1,103	1,562	2,729	3,842	4,770	5,673	6,230	6,690	7,202
Iran	560	859	1,662	1,873	2,409	3,393	5,433	10,343	12,894	14,070	16,020	9,739
Iraq	389	455	508	702	705	894	2,371	4,215	3,897	4,481	4,213	6,312
Israel	551	838	2,086	2,388	2,477	4,240	5,453	5,997	5,667	5,787	7,403	7,471
Kuwait	242	377	625	652	797	1,052	1,552	2,390	3,324	4,840	4,600	5,360
Libya	169	320	555	707	1,043	1,813	2,762	3,542	3,212	3,782	4,603	7,898
Malaysia	910	1,097	1,418	1,453	1,665	2,508	4,144	3,554	3,828	4,542	5,929	7,854
Mexico	1,187	1,560	2,461	2,407	2,719	3,814	6,057	6,571	6,028	5,883	7,555	12,086
Nigeria <sup>1</sup>	604	770	1,059	1,515	1,505	1,865	2,776	6,041	8,213	11,095	12,732	9,692
Pakistan	654	1,047	1,151	917	666	978	1,732	2,158	2,181	2,446	3,285	3,960

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Peru	377	719	606	739	791	1,019	1,531	2,551	2,037	1,911	1,960	2,146
Philippines	714	893	1,199	1,323	1,413	1,798	3,469	3,742	3,938	4,267	5,137	6,611
Saudi Arabia	234	506	711	818	1,136	1,977	2,860	4,214	8,695	14,656	20,422	27,736
Singapore	1,332	1,244	2,461	2,843	3,398	5,147	8,380	8,133	9,070	10,471	13,049	17,636
South Africa <sup>2</sup>	1,629	2,563	3,843	4,364	3,948	5,163	7,856	8,293	7,285	6,270	7,614	8,991
South Korea	344	463	1,984	2,394	2,522	4,240	6,852	7,274	8,774	10,811	14,972	20,339
Taiwan	297	558	1,528	1,849	2,518	3,792	6,984	5,960	7,609	8,522	11,051	14,781
Thailand	447	742	1,299	1,288	1,484	2,049	3,143	3,280	3,572	4,616	5,356	7,158
Venezuela	1,289	1,518	1,965	2,279	2,411	2,810	4,191	6,004	6,830	11,446	12,422	10,400
Zaire	235	292	536	619	625	754	1,051	905	668	609	589	597
Zambia	495	341	559	652	677	663	985	1,138	798	828	748	N.A.

<sup>1</sup> Data are from the International Monetary Fund, *International Financial Statistics*. Imports are c.i.f.

<sup>2</sup> Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 49

Million US \$

## Trade Balance of Selected Non-Communist Countries

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	-3,428	-7,648	-9,463	-8,875	-11,056	-17,505	-62,017	-28,013	-54,797	-62,303	-39,082	-97,873
United States	3,284	3,566	230	-4,793	-9,663	-2,752	-10,088	3,741	-14,765	-36,410	-39,523	-37,287
Australia	-612	-758	-284	-12	1,326	1,874	-1,372	846	766	-163	-1,422	436
Canada	-329	-216	2,492	1,832	1,145	1,692	93	-2,135	242	1,319	1,734	1,407
Japan	-436	283	437	4,365	5,227	-1,368	-6,554	-2,126	2,426	9,744	18,428	-7,531
Spain	3	-2,105	-2,359	-2,044	-3,012	-4,472	-8,336	-8,573	-8,744	-7,612	-5,598	-7,230
Sweden	-336	-406	-212	396	659	1,573	-518	-66	-1,193	-1,058	1,197	-1,037
Switzerland	-347	-701	-1,311	-1,453	-1,626	-2,096	-2,511	-350	60	-326	-243	-2,818
European Community	-2,875	-4,509	-3,849	-1,415	427	-4,391	-19,012	-3,513	-16,740	-7,854	-710	-27,019
Belgium-Luxembourg	-178	-108	188	-174	662	410	-1,547	-1,977	-2,656	-2,869	-3,675	-4,144
Denmark	-311	-503	-1,051	-927	-656	-1,554	-2,208	-1,656	-3,312	-3,200	-2,926	-3,840
France	585	-208	-1,034	-525	-550	-1,068	-6,659	-846	-7,229	-5,500	-2,417	-6,317
Ireland	-208	-422	-504	-523	-491	-659	-1,158	-586	-880	-992	-1,424	-2,686
Italy	-1,079	-178	-1,763	-864	-711	-5,572	-10,621	-3,551	-6,170	-2,786	-391	-5,730
Netherlands	-503	-1,073	-1,652	-1,445	-730	-438	-870	-507	-320	-2,808	-3,695	-4,545
United Kingdom	-2,425	-2,318	-2,314	-1,541	-3,454	-8,183	-15,622	-9,636	-9,909	-6,315	-6,881	-11,933
West Germany	1,244	301	4,281	4,584	6,357	12,673	19,673	15,246	13,741	16,616	20,699	12,176
<b>Other Countries</b>												
Algeria	-870	-35	-248	-370	-187	-346	341	-1,317	-138	-1,197	-2,183	98
Argentina	-170	294	79	-128	36	1,036	296	-986	883	1,490	2,566	N.A.
Brazil	-194	500	-110	-797	-792	-800	-6,217	-4,922	-3,598	-1,137	-2,395	-4,433
Chile	-38	33	308	-18	-78	133	570	126	307	-224	-594	-455
Colombia	-54	85	-107	-239	7	129	-180	-30	43	405	132	-1,056
Egypt	-100	-274	-25	-115	-52	217	-835	-2,532	-2,285	-3,108	-4,990	-1,997
Hong Kong	-337	-426	-391	-516	-421	-591	-809	-748	-356	-837	-1,901	N.A.
India	-971	-1,151	-379	-386	210	-293	-1,210	-1,975	-114	-269	-1,261	-1,861
Indonesia	267	67	150	144	-28	332	3,584	2,332	2,874	4,623	4,953	8,388
Iran	284	446	962	1,952	1,631	2,812	16,142	9,868	10,608	10,176	6,411	9,262
Iraq	78	255	339	437	403	1,061	4,229	4,082	5,375	5,183	6,796	15,137
Israel	-334	-408	-1,307	-1,430	-1,330	-2,781	-3,547	-4,056	-3,252	-2,703	-3,482	-2,918
Kuwait	720	907	1,068	1,620	1,760	2,269	8,302	6,254	6,510	4,961	5,864	12,120
Libya	-158	686	2,278	2,141	1,382	1,641	4,367	2,500	5,094	5,979	4,900	7,338
Malaysia	276	139	268	191	57	538	91	277	1,467	1,538	1,484	3,223
Mexico	-422	-440	-1,058	-900	-1,020	-1,553	-3,069	-3,677	-2,610	-1,366	-1,597	-3,104
Nigeria	-129	-18	181	301	675	1,601	6,923	1,735	1,872	685	-2,223	8,109
Pakistan	-260	-519	-427	-251	13	-20	-619	-1,106	-1,014	-1,257	-1,810	-1,904

Peru	58	-52	442	154	153	30	-11	-1,259	-772	-308	-11	1,386
Philippines	-91	-196	-186	-227	-317	26	-739	-1,479	-1,425	-1,173	-1,804	-2,078
Saudi Arabia	657	890	1,647	2,629	3,380	5,716	28,340	23,782	27,742	26,554	17,513	31,598
Singapore	-196	-263	-907	-1,080	-1,207	-1,480	-2,570	-2,757	-2,485	-2,230	-2,915	-3,403
South Africa <sup>1</sup>	366	22	-488	-855	249	951	904	666	691	3,717	5,261	9,411
South Korea	-311	-288	-1,149	-1,326	-898	-1,015	-2,392	-2,193	-1,059	-764	-2,254	-5,284
Taiwan	-133	-108	-100	149	396	583	-1,467	-659	546	827	1,631	1,287
Thailand	-36	-120	-589	-457	-403	-485	-699	-1,072	-592	-1,126	-1,271	-1,854
Venezuela	1,016	910	634	807	715	2,081	6,643	2,796	2,469	-1,895	-3,235	3,758
Zaire	245	14	260	68	67	250	244	-40	236	379	336	726
Zambia	82	192	442	27	81	484	422	-328	238	65	69	N.A.

<sup>1</sup>Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 50

Million US \$

Big Seven: Direction of Trade<sup>1</sup>

	Exports to (f.o.b.)						Imports from (c.i.f.)					
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
United States												
1974	98,524	45,865	15,686	6,725	3,113	27,135	108,012	53,514	10,179	16,776	1,090	26,453
1975	107,655	46,941	16,247	10,768	3,376	30,323	103,417	49,807	8,832	18,699	984	25,095
1976	115,006	51,299	17,675	12,568	3,639	29,825	129,566	60,387	9,752	27,168	1,161	31,098
1977	119,430	54,548	18,958	14,019	2,716	29,187	153,511	70,747	11,228	35,603	1,440	34,492
1978	141,320	62,860	21,219	16,654	4,505	36,082	177,396	87,405	14,624	32,969	1,979	40,419
1979	178,527	79,737	28,701	15,051	7,409	47,628	212,499	97,789	16,596	45,190	2,651	50,272
Japan												
1974	55,513	18,698	6,849	5,439	4,245	20,281	62,064	18,741	6,209	19,963	3,617	13,533
1975	55,728	16,559	6,067	8,416	5,166	19,523	57,847	16,932	6,081	19,402	3,364	12,069
1976	67,319	22,610	8,588	9,274	4,942	21,906	64,891	17,584	7,776	21,885	2,913	14,735
1977	78,508	28,034	9,720	12,026	5,334	23,394	70,028	18,877	7,923	24,325	3,412	15,491
1978	94,721	34,898	10,432	14,244	6,928	28,218	78,136	22,958	9,287	24,671	4,004	17,217
1979	97,952	37,543	10,167	13,272	7,479	29,490	107,353	30,667	10,761	36,049	5,484	24,393
West Germany												
1974	92,061	30,730	36,422	4,069	9,137	11,703	72,121	23,853	25,485	9,201	5,795	7,787
1975	93,293	28,332	36,444	6,783	10,399	11,335	77,634	27,088	27,782	8,236	6,226	8,302
1976	105,334	33,438	41,864	8,249	10,427	11,356	91,228	31,281	32,636	9,727	7,472	10,112
1977	117,781	39,003	48,006	10,777	7,304	12,690	100,886	36,391	37,372	10,119	4,922	12,082
1978	142,099	48,522	56,947	12,254	8,887	15,489	121,095	45,043	46,300	9,683	6,329	13,741
1979	171,355	61,682	69,829	10,486	10,402	18,955	158,815	58,748	58,954	14,787	8,819	17,506
France												
1974	46,384	19,363	14,895	3,019	1,992	7,115	52,897	22,060	13,612	10,113	1,678	5,432
1975	52,875	20,004	15,501	4,897	3,130	9,342	53,988	23,040	14,332	9,435	1,989	5,191
1976	57,054	22,489	16,153	5,080	3,232	10,100	64,384	27,812	16,930	11,360	2,240	6,044
1977	64,801	25,897	18,182	5,964	2,990	11,768	70,352	30,278	18,244	11,815	2,462	7,554
1978	79,163	32,736	21,705	6,501	3,290	14,932	81,611	36,564	22,129	11,887	2,807	8,224
1979	100,381	42,000	28,062	7,606	4,528	18,184	106,708	47,009	28,434	16,653	3,712	10,901
United Kingdom												
1974	38,561	11,736	15,628	2,553	1,266	7,377	54,125	18,198	18,069	8,702	1,798	7,358
1975	44,033	12,546	16,591	4,546	1,559	8,788	53,350	18,470	18,515	6,914	1,676	7,774
1976	46,118	14,027	17,535	5,130	1,390	8,036	55,563	19,656	18,811	7,290	2,081	7,723
1977	57,931	17,289	22,203	6,773	1,633	10,033	63,822	24,032	21,380	6,324	2,420	9,666
1978	71,517	22,118	26,820	8,437	2,111	12,029	78,323	31,303	28,220	6,377	2,555	9,867
1979	90,784	30,240	36,223	7,256	2,610	14,455	102,486	42,672	37,161	6,973	3,298	12,382

<b>Italy</b>												
1974	30,226	13,891	7,425	2,231	1,842	4,839	40,895	17,968	6,834	9,381	2,049	4,665
1975	34,840	15,610	7,860	3,717	2,463	5,189	38,392	17,324	6,747	7,846	2,088	4,389
1976	36,972	17,406	8,688	4,233	2,184	4,459	43,430	19,352	8,043	8,120	2,650	5,265
1977	45,260	21,023	10,265	5,872	2,464	5,635	48,012	21,103	8,801	9,049	2,822	6,236
1978	55,967	27,011	12,260	7,028	2,737	6,932	56,327	25,348	10,701	10,004	3,200	7,074
1979	72,100	35,025	16,723	7,767	3,062	9,523	77,713	34,409	14,986	13,611	4,365	10,342
<b>Canada</b>												
1974	34,510	27,130	1,925	530	810	4,116	36,734	28,326	1,737	2,830	358	3,482
1975	33,841	26,300	1,725	712	1,198	3,907	38,592	29,782	1,703	3,430	325	3,353
1976	40,176	32,015	2,032	813	1,253	4,063	43,046	33,549	1,821	3,485	379	3,815
1977	43,485	34,985	2,196	1,198	1,078	4,028	44,765	35,945	1,788	3,053	336	3,644
1978	48,036	38,599	2,059	1,333	1,425	4,620	49,158	40,067	1,972	2,913	373	3,833
1979	58,092	45,695	3,034	1,382	1,732	6,249	60,149	49,079	2,368	3,252	537	4,912

<sup>1</sup> Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 47 and 48 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

Arado 1980



Table 51

Million US \$

## Big Seven: Exports, by Month

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
1975 Jan	36,098.5	9,373.4	5,015.0	7,982.6	4,400.4	3,564.8	2,900.1	2,862.2
Feb	35,483.3	8,754.6	4,831.0	7,957.6	4,673.0	3,545.0	3,004.4	2,717.6
Mar	34,098.5	8,685.2	4,669.0	7,012.6	4,603.2	3,727.8	2,839.7	2,561.0
Apr	34,919.0	8,647.6	4,681.0	8,323.6	4,557.1	3,268.5	2,824.9	2,616.2
May	33,128.5	8,221.5	4,446.0	7,199.3	4,389.3	3,740.6	2,561.3	2,570.5
Jun	34,879.0	8,715.5	4,403.0	8,033.3	4,689.4	3,398.7	2,928.4	2,710.7
Jul	34,646.9	8,871.0	4,375.0	7,817.6	4,642.4	3,421.4	2,907.8	2,611.8
Aug	32,922.1	8,979.9	4,385.0	6,625.3	4,815.9	3,139.9	2,951.8	2,524.4
Sep	33,767.8	9,104.2	4,331.0	7,176.8	4,140.2	3,298.6	2,965.0	2,751.9
Oct	34,567.3	9,225.7	4,547.0	7,362.4	4,118.9	3,663.6	2,933.6	2,716.1
Nov	34,808.7	9,408.9	4,443.0	7,338.1	4,373.7	3,498.1	3,002.6	2,744.4
Dec	35,318.2	9,249.9	4,793.0	7,343.5	4,314.6	3,695.5	3,037.6	2,884.2
1976 Jan	35,970.4	9,097.2	4,863.0	7,723.0	4,504.5	3,725.4	3,056.2	3,001.2
Feb	36,153.9	8,917.7	5,057.0	7,895.6	4,694.2	3,719.2	2,752.6	3,123.7
Mar	37,053.8	9,020.4	5,598.0	8,263.7	4,511.7	3,778.0	2,873.3	3,008.7
Apr	37,066.6	9,369.3	5,207.0	8,266.8	4,683.4	3,701.6	2,743.8	3,094.7
May	37,722.6	9,562.8	5,441.0	8,167.0	4,680.8	3,763.2	2,978.3	3,129.6
Jun	37,991.5	9,722.2	5,457.0	8,054.4	4,775.8	3,789.4	2,776.6	3,416.2
Jul	38,669.1	9,956.2	5,400.0	8,423.6	4,750.3	3,685.2	3,234.3	3,219.5
Aug	38,594.4	9,737.0	5,413.0	8,405.6	4,617.8	3,929.1	3,056.4	3,435.5
Sep	40,308.4	9,788.4	5,790.0	9,275.5	4,842.3	3,862.5	3,288.1	3,461.5
Oct	39,368.7	9,698.6	5,670.0	8,795.8	4,868.0	3,829.5	3,301.9	3,204.8
Nov	39,767.0	9,593.6	5,761.0	9,163.0	4,872.3	3,796.2	3,474.5	3,106.4
Dec	41,549.2	10,397.1	5,955.0	9,483.8	5,003.7	4,105.2	3,356.3	3,248.2
1977 Jan	41,195.4	9,625.7	6,307.0	9,050.9	5,082.5	4,264.5	3,523.5	3,341.2
Feb	41,766.2	9,921.8	6,392.0	9,272.4	5,096.4	4,184.4	3,479.5	3,419.6
Mar	43,539.6	10,250.2	6,426.0	9,905.4	5,268.0	4,299.7	3,606.7	3,783.7
Apr	42,910.4	10,261.8	6,576.0	9,236.1	5,116.7	4,554.1	3,606.9	3,598.8
May	42,928.8	10,466.6	6,836.0	9,585.3	5,188.3	4,488.7	3,572.5	3,291.4
Jun	43,802.3	10,109.1	6,485.0	9,911.4	5,340.6	4,791.5	3,801.1	3,363.6
Jul	43,690.3	10,285.5	6,675.0	9,453.1	5,387.9	4,705.9	3,595.7	3,587.2
Aug	44,219.4	9,575.7	6,663.0	9,971.8	5,512.3	4,960.7	3,959.7	3,576.1
Sep	45,092.9	10,847.7	6,695.0	9,891.5	5,652.8	5,060.8	3,647.9	3,297.2
Oct	44,062.0	9,384.8	6,709.0	10,174.9	5,795.6	4,863.2	3,523.1	3,611.4
Nov	44,677.0	9,554.0	7,042.0	10,425.8	5,752.2	4,846.7	4,014.3	3,042.0
Dec	47,619.3	10,216.1	6,957.0	10,969.1	5,936.6	5,146.2	4,842.6	3,551.6

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1978 Jan	46,650.6	9,863.7	7,540.0	11,111.6	5,682.4	5,037.6	3,839.5	3,575.7
Feb	48,514.8	9,945.0	7,884.0	11,070.5	5,936.5	5,803.4	4,063.5	3,812.0
Mar	49,772.4	11,146.5	7,916.0	11,027.7	6,603.5	5,381.9	3,819.8	3,877.1
Apr	51,323.7	11,630.4	7,448.0	11,683.7	6,417.8	5,461.0	4,558.2	4,124.6
May	50,016.9	11,786.0	7,998.0	10,661.4	6,390.2	5,223.6	4,243.6	3,714.1
Jun	51,941.1	12,268.2	7,858.0	12,270.8	6,376.9	5,364.7	4,270.4	3,532.1
Jul	50,412.2	11,661.5	7,709.0	10,674.3	6,891.7	5,707.0	4,097.5	3,671.2
Aug	53,086.2	12,293.7	8,146.0	12,123.7	6,584.9	5,841.9	4,401.5	3,694.4
Sep	55,011.6	13,274.2	8,607.0	11,388.7	7,049.9	5,935.8	4,572.6	4,183.4
Oct	57,150.0	12,901.1	8,115.0	13,551.6	7,398.3	6,165.7	5,185.9	3,832.4
Nov	58,193.9	13,450.6	8,494.0	13,314.1	7,282.7	5,929.7	5,469.3	4,253.5
Dec	58,062.2	13,282.5	7,864.0	12,338.6	7,093.0	6,200.7	7,170.3	4,113.1
1979 Jan	57,141.7	13,265.0	7,850.0	13,689.1	7,507.8	5,510.3	4,936.4	4,383.1
Feb	58,526.3	13,615.5	8,210.0	13,325.5	7,680.6	5,060.1	6,490.2	4,144.4
Mar	59,931.8	14,297.3	8,191.0	13,766.3	7,812.0	6,121.9	5,150.6	4,592.7
Apr	60,391.1	13,978.8	7,828.0	13,665.2	7,762.4	7,497.4	5,275.1	4,384.3
May	61,802.2	14,083.1	8,360.0	14,782.0	7,987.2	7,217.2	5,436.8	4,585.8
Jun	62,193.9	14,817.3	8,233.0	13,665.3	7,983.2	7,303.2	5,749.6	4,442.2
Jul	65,216.7	15,691.1	8,422.0	14,891.8	8,542.0	8,135.6	4,915.5	4,618.7
Aug	67,277.5	15,713.3	8,525.0	14,895.1	8,526.3	7,871.4	7,070.0	4,676.4
Sep	65,707.5	15,822.4	8,996.0	12,668.8	9,117.4	7,798.3	6,261.7	5,042.9
Oct	68,914.0	16,680.0	8,510.0	15,888.0	8,895.3	7,481.2	6,599.7	5,059.8
Nov	70,310.7	16,928.1	8,951.0	16,093.0	9,044.5	8,006.8	6,344.8	4,942.5
Dec	71,084.9	16,741.6	9,087.0	14,193.7	9,593.9	8,299.6	7,991.1	5,177.9

ad 80

Cont

Table 52

Million US \$

76

## Big Seven: Imports, by Month

1975

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
January 1975	35,022.9	9,635.5	4,443.0	5,874.0	4,434.8	4,521.6	3,115.1	2,998.9
February 1975	32,457.0	7,927.6	4,137.0	6,036.0	4,392.2	4,339.7	2,758.9	2,865.6
March 1975	31,082.1	7,466.5	4,118.0	5,442.2	4,405.4	4,001.0	2,822.2	2,826.9
April 1975	32,372.6	7,958.5	4,018.0	6,752.7	4,169.4	4,098.0	2,657.8	2,718.1
May 1975	29,992.1	7,263.3	4,033.0	5,668.8	3,945.3	3,931.0	2,476.2	2,674.6
June 1975	31,579.5	7,102.5	3,883.0	6,093.4	4,397.6	3,967.0	3,147.6	2,988.4
July 1975	32,243.4	7,831.6	4,079.0	5,935.6	4,445.2	4,245.0	3,051.5	2,655.5
August 1975	30,984.2	7,876.7	4,005.0	5,450.4	4,034.1	3,987.8	2,722.5	2,907.8
September 1975	32,164.2	8,196.0	4,164.0	5,919.7	4,119.7	3,738.9	3,195.2	2,830.8
October 1975	33,042.2	8,169.3	4,361.0	6,115.7	4,476.1	4,074.7	3,037.6	2,807.8
November 1975	32,799.5	8,201.3	4,176.0	5,774.0	4,543.9	3,930.7	3,265.4	2,908.2
December 1975	33,805.7	8,521.5	4,356.0	6,099.8	4,456.8	4,089.7	3,371.1	2,910.8
January 1976	34,552.5	9,000.9	4,334.0	6,199.1	4,629.2	4,157.3	3,198.0	3,034.0
February 1976	35,318.7	9,032.5	4,396.0	6,579.9	4,838.2	4,177.3	3,078.5	3,216.3
March 1976	35,268.8	9,469.2	4,200.0	6,634.0	4,729.5	3,964.8	3,183.4	3,087.8
April 1976	36,357.5	9,643.3	4,373.0	6,949.3	4,828.8	4,178.4	3,115.1	3,269.6
May 1976	35,672.2	9,182.4	4,346.0	6,720.5	4,894.8	4,380.4	3,158.2	2,989.8
June 1976	37,165.7	10,153.4	4,499.0	6,628.6	4,947.4	4,351.9	3,243.2	3,342.2
July 1976	38,313.5	10,717.2	4,661.0	6,943.4	4,998.0	4,523.0	3,283.3	3,187.6
August 1976	38,919.3	10,447.2	4,922.0	7,300.6	5,199.2	4,340.9	3,504.3	3,205.1
September 1976	39,544.5	10,651.0	5,052.0	7,187.5	5,517.2	4,466.4	3,482.7	3,187.7
October 1976	38,908.0	10,555.1	4,891.0	7,186.5	5,538.8	4,303.5	3,421.6	3,011.5
November 1976	40,840.9	10,622.9	5,171.0	7,516.8	5,630.7	4,540.7	4,164.1	3,194.7
December 1976	40,682.6	11,020.4	5,121.0	8,034.1	5,276.4	4,464.0	3,546.9	3,219.8
January 1977	42,006.6	11,804.2	5,062.0	7,529.5	5,579.1	5,181.2	3,662.3	3,188.2
February 1977	42,716.7	13,174.9	5,015.0	7,570.8	5,422.2	4,499.1	3,714.4	3,320.4
March 1977	44,134.6	13,537.1	5,145.0	8,097.8	5,543.4	4,717.0	3,710.2	3,384.1
April 1977	42,422.4	12,675.8	5,043.0	7,546.9	5,221.1	4,801.6	3,627.5	3,506.5
May 1977	42,219.0	11,947.1	5,130.0	7,835.9	5,404.9	4,964.7	3,623.1	3,313.3
June 1977	45,547.7	14,483.3	5,081.0	7,929.5	5,754.1	5,303.9	3,671.1	3,324.8
July 1977	43,952.2	13,206.9	5,079.0	8,110.8	5,650.9	5,127.8	3,462.0	3,314.8
August 1977	43,964.7	12,907.6	5,500.0	8,086.8	5,825.5	4,685.8	3,638.8	3,320.2
September 1977	44,077.5	13,548.4	5,075.0	8,112.7	5,598.1	4,970.2	3,500.9	3,272.2
October 1977	43,927.8	13,240.5	5,288.0	7,955.3	5,628.7	4,804.8	3,726.9	3,283.6
November 1977	44,193.7	12,820.8	5,306.0	8,612.4	6,036.3	4,750.2	3,691.6	2,976.4
December 1977	47,142.4	14,220.7	5,341.0	8,903.8	5,678.9	5,314.9	4,510.4	3,172.6

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January 1978	46,250.7	13,102.6	5,380.0	9,248.3	6,019.7	5,666.6	3,589.4	3,244.2
February 1978	47,688.8	14,259.5	5,431.0	9,005.9	5,910.1	5,758.8	3,755.3	3,568.2
March 1978	47,158.8	14,004.1	5,162.0	8,935.7	6,288.6	5,944.4	3,667.4	3,156.7
April 1978	49,168.6	14,491.5	5,644.0	9,520.6	6,341.0	5,230.4	3,927.7	4,013.3
May 1978	48,232.1	14,008.5	5,917.0	8,968.1	6,297.7	5,554.5	4,050.4	3,435.8
June 1978	47,456.4	13,970.3	4,877.0	9,481.8	6,386.5	5,577.8	3,681.2	3,481.8
July 1978	50,287.0	14,544.7	5,560.0	9,145.5	6,642.1	5,985.6	4,727.9	3,681.2
August 1978	49,927.8	14,132.6	6,023.0	9,583.8	6,820.2	5,845.8	3,959.4	3,563.0
September 1978	51,809.6	14,819.7	6,219.0	9,817.6	6,845.2	6,362.6	4,001.0	3,744.5
October 1978	54,593.4	14,851.6	7,282.0	10,786.1	7,252.0	6,093.5	4,537.9	3,791.2
November 1978	54,970.5	14,824.7	6,879.0	10,890.5	7,129.8	6,157.5	5,142.1	3,946.8
December 1978	55,924.4	15,031.8	6,415.0	10,171.8	7,339.0	6,119.4	6,781.4	4,065.9
January 1979	57,399.0	16,527.6	6,986.0	11,517.9	7,495.8	5,871.3	4,836.5	4,164.0
February 1979	56,764.0	14,605.0	7,208.0	11,198.2	7,682.7	6,633.3	5,421.0	4,015.7
March 1979	59,641.4	15,357.5	7,485.0	11,846.6	7,530.5	7,436.3	5,424.8	4,560.8
April 1979	58,923.7	15,841.4	7,602.0	11,234.1	7,652.7	7,837.4	4,492.4	4,263.6
May 1979	62,761.0	16,438.3	7,567.0	12,727.5	8,264.7	7,807.5	5,509.0	4,447.0
June 1979	61,800.0	16,835.4	7,494.0	11,655.8	8,244.6	7,790.7	5,687.7	4,091.9
July 1979	66,289.0	16,806.1	8,675.0	13,572.5	8,913.7	8,196.6	5,614.1	4,511.0
August 1979	68,646.3	18,277.2	8,744.0	13,181.2	9,132.9	8,377.2	6,299.4	4,634.4
September 1979	68,940.0	18,407.1	9,455.0	12,471.8	9,520.3	8,261.9	6,127.6	4,696.2
October 1979	71,157.5	19,037.1	8,970.0	14,308.6	9,596.6	8,378.8	6,083.5	4,782.9
November 1979	72,957.3	18,548.4	9,637.0	14,499.1	9,372.7	8,166.5	8,028.3	4,705.3
December 1979	74,447.4	19,665.0	9,422.0	13,404.1	9,821.9	8,853.9	8,660.5	4,619.9

Table 53

Million US \$

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## Big Seven: Exports, by Commodity

	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Big Seven</b>	<b>163,218</b>	<b>182,754</b>	<b>213,386</b>	<b>289,309</b>	<b>390,045</b>	<b>415,790</b>	<b>461,064</b>	<b>525,724</b>	<b>631,356</b>
Foodstuffs	15,946	18,077	22,069	35,087	42,784	44,765	46,631	51,047	63,306
Raw materials	13,319	12,518	14,432	20,892	28,068	24,164	27,906	30,277	33,768
Fuels	5,274	5,930	6,696	8,878	17,328	18,085	18,548	20,677	23,403
Manufactures	124,555	141,675	165,034	217,350	293,144	318,916	357,692	410,778	495,235
Other	4,124	4,554	5,156	7,102	8,723	9,862	10,288	12,946	15,649
<b>United States</b>	<b>43,226</b>	<b>44,137</b>	<b>49,676</b>	<b>71,314</b>	<b>98,506</b>	<b>107,652</b>	<b>114,997</b>	<b>120,163</b>	<b>143,660</b>
Foodstuffs	6,919	7,179	8,846	16,775	20,741	21,105	22,098	22,710	28,709
Raw materials	4,114	3,356	3,819	6,123	8,038	7,538	7,996	8,588	10,765
Fuels	1,695	1,592	1,674	1,672	3,445	4,481	4,228	4,199	3,980
Manufactures	28,762	30,254	33,478	44,377	63,211	70,961	77,425	80,821	95,730
Other	1,736	1,756	1,858	2,368	3,072	3,568	3,251	3,847	4,478
<b>Canada</b>	<b>16,185</b>	<b>17,675</b>	<b>20,178</b>	<b>25,207</b>	<b>32,783</b>	<b>32,300</b>	<b>38,370</b>	<b>41,293</b>	<b>44,080</b>
Foodstuffs	1,975	2,346	2,602	3,572	4,384	4,399	4,669	4,811	5,038
Raw materials	4,850	4,807	5,302	6,938	8,516	7,450	9,485	10,140	10,170
Fuels	978	1,262	1,734	2,466	5,179	5,334	5,300	5,171	4,815
Manufactures	8,262	9,172	10,432	12,008	14,522	14,842	18,613	20,947	23,829
Other	119	88	109	224	183	276	304	223	227
<b>Japan</b>	<b>19,319</b>	<b>24,019</b>	<b>28,591</b>	<b>36,931</b>	<b>55,538</b>	<b>55,728</b>	<b>67,203</b>	<b>80,470</b>	<b>97,501</b>
Foodstuffs	674	724	693	878	934	808	939	945	1,167
Raw materials	433	507	628	819	2,059	1,262	1,225	1,351	1,366
Fuels	48	63	74	92	251	220	117	156	261
Manufactures	17,965	22,493	26,887	34,677	51,416	52,638	64,155	77,288	93,848
Other	200	233	309	464	877	800	767	731	860
<b>West Germany</b>	<b>34,189</b>	<b>39,040</b>	<b>46,208</b>	<b>67,437</b>	<b>89,165</b>	<b>90,021</b>	<b>102,032</b>	<b>117,932</b>	<b>142,090</b>
Foodstuffs	1,188	1,460	1,837	3,040	3,911	4,241	4,529	5,902	6,912
Raw materials	1,192	1,215	1,391	2,277	3,271	2,643	3,246	3,350	3,878
Fuels	1,011	1,163	1,214	1,717	3,080	2,813	2,933	3,120	4,509
Manufactures	30,232	34,542	41,029	59,510	77,745	78,706	89,622	103,172	124,047
Other	565	660	737	893	1,159	1,618	1,703	2,389	2,744
<b>France</b>	<b>17,739</b>	<b>20,420</b>	<b>25,842</b>	<b>35,662</b>	<b>45,139</b>	<b>51,604</b>	<b>55,463</b>	<b>63,363</b>	<b>76,494</b>
Foodstuffs	2,803	3,576	4,739	6,759	7,858	8,069	8,461	9,233	11,896
Raw materials	1,199	1,167	1,507	2,253	3,072	2,628	2,991	3,238	3,734
Fuels	376	455	583	763	1,213	1,410	1,615	1,893	2,047
Manufactures	13,147	15,010	18,766	25,567	32,458	39,052	41,795	48,316	58,488
Other	214	213	245	319	539	445	602	684	330

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<b>United Kingdom</b>	<b>19,351</b>	<b>22,353</b>	<b>24,344</b>	<b>30,535</b>	<b>38,662</b>	<b>43,660</b>	<b>46,032</b>	<b>57,439</b>	<b>71,483</b>
Foodstuffs	1,259	1,459	1,680	2,196	2,576	3,221	3,112	3,980	5,709
Raw materials	1,190	1,120	1,390	1,962	2,394	1,961	2,240	2,468	2,876
Fuels	496	575	596	907	1,798	1,798	2,252	3,609	4,497
Manufactures	15,151	17,634	18,846	22,692	29,070	33,682	34,985	42,323	51,658
Other	1,253	1,565	1,832	2,778	2,824	2,998	3,442	5,059	6,743
<b>Italy</b>	<b>13,210</b>	<b>15,111</b>	<b>18,548</b>	<b>22,223</b>	<b>30,252</b>	<b>34,825</b>	<b>36,966</b>	<b>45,062</b>	<b>56,048</b>
Foodstuffs	1,127	1,332	1,672	1,867	2,381	2,921	2,823	3,466	3,876
Raw materials	341	347	394	520	718	682	724	1,142	978
Fuels	669	821	821	1,260	2,361	2,030	2,104	2,530	3,295
Manufactures	11,036	12,570	15,596	18,520	24,721	29,035	31,097	37,912	47,633
Other	37	40	65	56	70	157	218	13	267

Table 54

Million US \$

## Big Seven: Imports, by Commodity

	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Big Seven</b>	<b>157,592</b>	<b>176,161</b>	<b>211,568</b>	<b>288,936</b>	<b>411,342</b>	<b>408,071</b>	<b>474,774</b>	<b>539,211</b>	<b>629,790</b>
Foodstuffs	27,228	29,860	35,138	48,679	57,148	60,387	64,640	75,501	85,237
Raw materials	27,828	25,577	29,256	43,396	55,748	45,582	53,969	57,101	63,630
Fuels	17,018	21,541	24,810	36,709	100,582	101,364	117,702	132,710	135,166
Manufactures	81,261	93,893	116,347	152,637	189,535	190,483	227,683	261,396	329,210
Other	4,260	5,291	6,017	7,515	8,329	10,255	10,779	12,503	16,547
<b>United States</b>	<b>39,962</b>	<b>45,601</b>	<b>55,554</b>	<b>69,120</b>	<b>100,971</b>	<b>96,941</b>	<b>121,792</b>	<b>147,847</b>	<b>173,290</b>
Foodstuffs	6,446	6,627	7,593	9,518	11,295	10,518	12,399	14,680	16,287
Raw materials	4,687	4,708	5,583	7,170	9,647	8,116	10,163	11,381	13,777
Fuels	3,081	3,715	4,799	8,101	25,350	26,403	33,928	44,198	42,018
Manufactures	23,988	28,550	35,264	41,607	51,540	48,526	61,588	73,264	95,895
Other	1,761	2,002	2,316	2,725	3,138	3,377	3,713	4,323	5,309
<b>Canada</b>	<b>13,348</b>	<b>15,458</b>	<b>18,923</b>	<b>23,316</b>	<b>32,296</b>	<b>33,954</b>	<b>37,934</b>	<b>39,485</b>	<b>41,697</b>
Foodstuffs	1,153	1,230	1,486	2,084	2,782	2,817	3,090	3,303	3,381
Raw materials	727	794	925	1,225	1,641	1,578	1,719	1,639	1,775
Fuels	749	907	1,085	1,324	3,391	4,090	4,103	3,920	3,770
Manufactures	10,518	12,326	15,147	18,384	24,123	25,071	28,405	30,116	32,268
Other	202	200	281	300	359	397	616	506	503
<b>Japan</b>	<b>18,883</b>	<b>19,712</b>	<b>23,471</b>	<b>38,313</b>	<b>62,094</b>	<b>57,840</b>	<b>64,505</b>	<b>70,560</b>	<b>78,731</b>
Foodstuffs	3,195	3,584	4,353	7,248	9,676	10,344	10,805	11,872	13,250
Raw materials	7,188	6,498	7,394	12,725	14,936	11,421	13,293	14,340	15,974
Fuels	3,906	4,753	5,715	8,344	24,921	25,641	28,287	31,149	31,336
Manufactures	4,381	4,575	5,556	9,357	12,083	9,849	11,455	12,442	16,782
Other	213	301	453	640	479	584	664	759	1,392
<b>West Germany</b>	<b>29,814</b>	<b>34,341</b>	<b>39,763</b>	<b>54,496</b>	<b>68,975</b>	<b>74,208</b>	<b>87,783</b>	<b>100,701</b>	<b>120,668</b>
Foodstuffs	5,524	6,314	7,425	10,193	11,054	12,092	13,711	16,245	18,368
Raw materials	5,109	4,585	5,070	7,192	9,181	8,095	9,567	10,069	11,056
Fuels	2,627	3,502	3,672	6,211	13,308	13,099	15,828	17,230	19,538
Manufactures	15,608	18,562	22,344	29,467	33,698	38,760	46,048	54,653	68,684
Other	947	1,378	1,252	1,432	1,735	2,163	2,631	2,506	3,023
<b>France</b>	<b>18,922</b>	<b>21,137</b>	<b>26,715</b>	<b>37,055</b>	<b>52,174</b>	<b>53,606</b>	<b>64,016</b>	<b>70,276</b>	<b>81,865</b>
Foodstuffs	2,798	2,974	3,675	5,207	5,692	6,921	7,576	9,794	11,500
Raw materials	2,675	2,514	3,077	4,499	6,104	5,050	5,946	6,159	6,532
Fuels	2,291	2,933	3,533	4,581	11,945	12,260	14,369	15,089	15,937
Manufactures	11,103	12,660	16,355	22,650	28,274	29,210	35,946	38,994	47,453
Other	55	56	75	117	159	165	179	240	443

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<b>United Kingdom</b>	<b>21,724</b>	<b>23,944</b>	<b>27,860</b>	<b>38,843</b>	<b>54,149</b>	<b>53,595</b>	<b>55,951</b>	<b>63,658</b>	<b>78,425</b>
Foodstuffs	5,267	5,662	6,244	8,161	9,691	10,345	9,686	11,388	12,806
Raw materials	4,342	3,797	3,986	5,697	7,342	6,048	6,790	6,922	6,991
Fuels	2,270	3,042	3,108	4,232	10,841	9,613	10,137	9,123	9,220
Manufactures	8,804	10,157	12,974	18,544	23,905	24,180	26,502	32,229	43,823
Other	1,042	1,286	1,548	2,209	2,370	3,409	2,835	3,995	5,585
<b>Italy</b>	<b>14,939</b>	<b>15,968</b>	<b>19,282</b>	<b>27,793</b>	<b>40,682</b>	<b>37,928</b>	<b>42,794</b>	<b>46,683</b>	<b>55,115</b>
Foodstuffs	2,846	3,469	4,363	6,267	6,958	7,350	7,374	8,219	9,647
Raw materials	3,100	2,680	3,222	4,889	6,896	5,274	6,491	6,590	7,525
Fuels	2,095	2,688	2,899	3,918	10,828	10,258	11,050	12,002	13,346
Manufactures	6,859	7,063	8,707	12,628	15,912	14,888	17,739	19,699	24,306
Other	40	67	93	92	88	159	140	173	291



Table 55

Million US \$

## Big Seven: Trade Balance, by Commodity

82

	1970	1971	1972	1973	1974	1975	1976	1977	1978
<b>Big Seven</b>	<b>5,626</b>	<b>6,592</b>	<b>1,818</b>	<b>373</b>	<b>-21,297</b>	<b>7,719</b>	<b>-13,710</b>	<b>-13,487</b>	<b>1,567</b>
Foodstuffs	-11,282	-11,784	-13,069	-13,592	-14,364	-15,622	-18,009	-24,454	-21,931
Raw materials	-14,508	-13,059	-14,825	-22,504	-27,680	-21,418	-26,063	-26,824	-29,862
Fuels	-11,744	-15,611	-18,114	-27,832	-83,254	-83,279	-99,154	-112,033	-111,763
Manufactures	43,294	47,782	48,687	64,713	103,609	128,433	130,009	149,382	166,024
Other	-136	-737	-861	-413	394	-393	-491	444	-898
<b>United States</b>	<b>3,264</b>	<b>-1,465</b>	<b>-5,879</b>	<b>2,194</b>	<b>-2,465</b>	<b>10,711</b>	<b>-6,795</b>	<b>-27,684</b>	<b>-29,630</b>
Foodstuffs	473	552	1,254	7,257	9,445	10,587	9,699	8,030	12,422
Raw materials	-573	-1,352	-1,764	-1,047	-1,609	-578	-2,167	-2,793	-3,012
Fuels	-1,386	-2,123	-3,125	-6,429	-21,905	-21,923	-29,700	-39,999	-38,038
Manufactures	4,774	1,704	-1,786	2,770	11,671	22,435	15,837	7,557	-165
Other	-24	-246	-458	-357	-67	191	-462	-476	-831
<b>Canada</b>	<b>2,836</b>	<b>2,216</b>	<b>1,255</b>	<b>1,891</b>	<b>487</b>	<b>-1,654</b>	<b>437</b>	<b>1,808</b>	<b>2,383</b>
Foodstuffs	823	1,116	1,116	1,488	1,601	1,582	1,579	1,508	1,658
Raw materials	4,123	4,012	4,337	5,714	6,874	5,872	7,765	8,501	8,395
Fuels	229	354	649	1,142	1,788	1,243	1,197	1,251	1,045
Manufactures	-2,255	-3,154	-4,715	-6,376	-9,601	-10,229	-9,792	-9,169	-8,439
Other	-83	-112	-171	-76	-176	-121	-312	-283	-276
<b>Japan</b>	<b>437</b>	<b>4,307</b>	<b>5,120</b>	<b>-1,382</b>	<b>-6,557</b>	<b>-2,112</b>	<b>2,698</b>	<b>9,910</b>	<b>18,770</b>
Foodstuffs	-2,521	-2,860	-3,660	-6,370	-8,742	-9,536	-9,866	-10,927	-12,083
Raw materials	-6,755	-5,991	-6,766	-11,906	-12,878	-10,158	-12,068	-12,989	-14,608
Fuels	-3,858	-4,691	-5,641	-8,251	-24,669	-25,422	-28,170	-30,993	-31,076
Manufactures	13,584	17,917	21,331	25,320	39,333	42,788	52,700	64,846	77,067
Other	-13	-69	-143	-176	399	216	102	-28	-532
<b>West Germany</b>	<b>4,375</b>	<b>4,698</b>	<b>6,444</b>	<b>12,941</b>	<b>20,190</b>	<b>15,814</b>	<b>14,249</b>	<b>17,232</b>	<b>21,422</b>
Foodstuffs	-4,335	-4,854	-5,588	-7,153	-7,142	-7,850	-9,182	-10,343	-11,456
Raw materials	-3,917	-3,371	-3,678	-4,915	-5,911	-5,452	-6,321	-6,719	-7,177
Fuels	-1,616	-2,340	-2,458	-4,494	-10,229	-10,286	-12,895	-14,110	-15,030
Manufactures	14,624	15,981	18,684	30,043	44,048	39,946	43,574	48,519	55,363
Other	-382	-718	-515	-540	-576	-545	-928	-117	-279
<b>France</b>	<b>-1,184</b>	<b>-717</b>	<b>-874</b>	<b>-1,393</b>	<b>-7,034</b>	<b>-2,002</b>	<b>-8,553</b>	<b>-6,912</b>	<b>-5,370</b>
Foodstuffs	5	602	1,064	1,551	2,165	1,148	886	-561	396
Raw materials	-1,476	-1,347	-1,570	-2,246	-3,032	-2,422	-2,956	-2,922	-2,798
Fuels	-1,915	-2,478	-2,950	-3,817	-10,731	-10,850	-12,755	-13,197	-13,890
Manufactures	2,044	2,350	2,412	2,917	4,184	9,842	5,849	9,322	11,035
Other	158	156	170	202	380	280	423	444	-113

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<b>United Kingdom</b>	<b>- 2,373</b>	<b>- 1,590</b>	<b>- 3,515</b>	<b>- 8,309</b>	<b>- 15,488</b>	<b>- 9,935</b>	<b>- 9,919</b>	<b>- 6,219</b>	<b>- 6,941</b>
Foodstuffs	- 4,007	- 4,202	- 4,563	- 5,965	- 7,116	- 7,124	- 6,574	- 7,408	- 7,096
Raw materials	- 3,151	- 2,677	- 2,596	- 3,736	- 4,947	- 4,087	- 4,549	- 4,454	- 4,115
Fuels	- 1,773	- 2,467	- 2,511	- 3,325	- 9,042	- 7,815	- 7,885	- 5,514	- 4,724
Manufactures	6,348	7,478	5,872	4,148	5,164	9,502	8,483	10,094	7,835
Other	211	279	284	569	453	- 412	607	1,064	1,158
<b>Italy</b>	<b>- 1,729</b>	<b>- 858</b>	<b>- 734</b>	<b>- 5,570</b>	<b>- 10,430</b>	<b>- 3,103</b>	<b>- 5,827</b>	<b>- 1,621</b>	<b>934</b>
Foodstuffs	- 1,719	- 2,137	- 2,691	- 4,400	- 4,577	- 4,428	- 4,551	- 4,753	- 5,771
Raw materials	- 2,760	- 2,334	- 2,827	- 4,369	- 6,178	- 4,592	- 5,767	- 5,448	- 6,547
Fuels	- 1,426	- 1,867	- 2,078	- 2,658	- 8,466	- 8,227	- 8,946	- 9,472	- 10,051
Manufactures	4,177	5,507	6,889	5,892	8,809	14,147	13,359	18,213	23,327
Other	- 3	- 27	- 28	- 36	- 18	- 2	78	- 160	- 24

Table 56

1970=100

84

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade <sup>1</sup>

	1973	1974	1975	1976	1977	1978
Non-OPEC LDCs <sup>2</sup>						
Export	139	191	185	194	224	233
Import	137	206	217	217	230	252
Terms of Trade	101	93	85	89	97	92
Brazil						
Export	150	189	189	217	266	238
Import	139	210	217	224	232	239
Terms of Trade	108	90	87	97	115	100
Colombia						
Export	132	172	175	257	378	317
Import	126	158	173	182	192	215
Terms of Trade	105	109	101	141	197	147
El Salvador						
Export	129	161	164	241	317	N.A.
Import	126	179	197	193	193	N.A.
Terms of Trade	102	90	83	125	164	N.A.
Ethiopia						
Export	128	138	123	219	222	220
Import	135	147	155	164	177	197
Terms of Trade	95	94	79	134	125	112
India						
Export	132	160	172	170	199	212
Import	127	194	226	219	210	228
Terms of Trade	104	82	76	78	95	93
Jordan						
Export	123	256	291	253	245	259
Import	145	189	259	223	257	251
Terms of Trade	85	135	112	113	95	103
Kenya						
Export	124	156	175	208	299	273
Import	133	179	221	225	245	261
Terms of Trade	93	87	79	92	122	105
Malaysia						
Export	157	220	183	205	242	273
Import	163	234	249	239	254	276
Terms of Trade	96	94	73	86	95	99

<b>Mauritius</b>						
Export	154	364	454	336	332	350
Import	154	239	257	257	283	324
Terms of Trade	100	152	177	131	117	108
<b>Morocco</b>						
Export	137	265	308	222	206	234
Import	158	213	232	211	160	N.A.
Terms of Trade	87	124	133	105	129	N.A.
<b>Pakistan</b>						
Export	151	196	173	189	227	227
Import	113	194	220	211	218	231
Terms of Trade	134	101	79	90	104	98
<b>Philippines</b>						
Export	124	212	168	148	150	168
Import	137	247	258	255	283	289
Terms of Trade	91	86	65	58	53	58
<b>South Korea</b>						
Export	126	160	148	166	181	200
Import	135	210	217	212	217	230
Terms of Trade	93	76	68	78	83	87
<b>Sri Lanka</b>						
Export	108	162	143	143	212	227
Import	138	235	261	191	219	240
Terms of Trade	78	69	55	75	97	95
<b>Syria</b>						
Export	174	338	291	355	378	405
Import	168	245	273	324	294	314
Terms of Trade	104	138	107	110	129	129
<b>Thailand</b>						
Export	158	240	212	206	210	227
Import	131	215	239	251	270	294
Terms of Trade	121	112	89	82	78	77
<b>Tunisia</b>						
Export	180	359	395	328	340	375
Import	140	178	215	198	202	213
Terms of Trade	129	202	184	166	168	176

<sup>1</sup> Data are from the *International Financial Statistics*. US dollar indexes for total exports and total imports converted from national data, with the original 1975 comparison base shifted to 1970.

<sup>2</sup> IMF used an estimated average derived from available national data for "other developed areas" including Cyprus, Ecuador, and Israel.

Table 57

Selected Countries: Oil Import Bill <sup>1</sup>

Billion US \$

	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	2.1	2.3	3.9	7.0	23.4	23.8	30.8	40.2	37.7	56.0
Japan	1.3	2.7	4.4	6.7	20.9	20.8	23.2	25.7	25.5	38.0
Spain	0.2	0.4	0.7	0.9	3.1	3.5	4.3	4.3	4.5	7.0
<b>European Community</b>										
France	0.9	1.6	2.6	3.3	9.7	9.3	11.2	11.2	11.5	16.2
Italy	0.6	1.2	1.8	2.4	8.0	7.3	8.0	8.4	8.7	11.9
Netherlands	0.2	0.3	0.5	0.5	1.5	1.6	2.5	2.8	2.7	4.6
United Kingdom	1.4	1.8	2.4	3.3	9.0	7.7	7.8	5.4	4.4	2.3
West Germany	1.0	2.0	2.9	5.1	11.2	10.7	12.9	13.6	14.7	24.5

<sup>1</sup> Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).

<sup>2</sup> On an f.o.b. basis.

*add countries  
LDC*

Million US \$

Table 58

Soviet Foreign Trade<sup>1</sup>

		Communist Countries					Non-Communist Countries				
		Total Trade	Total	Eastern Europe	China	Other Asian	Other <sup>2</sup>	Total	Developed Countries	Less Developed Countries	Unspecified
1960	Exports	5,558	4,209	3,071	816	66	256	1,348	996	353	68
	Imports	5,623	3,977	2,792	847	101	237	1,645	1,098	547	43
1965	Exports	8,166	5,554	4,548	191	167	647	2,612	1,473	1,139	337
	Imports	8,050	5,605	4,668	225	120	592	2,444	1,620	824	55
1970	Exports	12,787	8,359	6,752	25	415	1,167	4,428	2,414	2,014	846
	Imports	11,720	7,630	6,627	22	156	826	4,089	2,814	1,275	73
1971	Exports	13,792	9,009	7,234	78	521	1,176	4,783	2,794	1,989	755
	Imports	12,467	8,169	7,250	76	160	683	4,298	2,904	1,394	75
1972	Exports	15,409	10,020	8,139	121	418	1,341	5,390	3,044	2,346	1,137
	Imports	16,104	10,307	9,301	134	183	690	5,797	4,164	1,633	87
1973	Exports	21,332	12,305	9,964	136	495	1,710	9,027	5,125	3,902	2,228
	Imports	20,980	12,442	10,925	136	230	1,151	8,538	6,191	2,347	92
1974	Exports	27,374	14,641	11,491	143	510	2,497	12,733	8,226	4,507	2,201
	Imports	24,861	13,586 <sup>3</sup>	11,352	139	254	1,841	11,275	8,092	3,183	171
1975	Exports	33,401	20,271	16,494	129	480	3,168	13,130	8,382	4,748	2,137
	Imports	37,070	19,415	15,723	150	277	3,265	17,654	13,473	4,181	144
1976	Exports	37,269	21,890	17,432	239	565	3,654	15,378	10,269	5,109	2,588
	Imports	38,212	20,088	16,261	179	242	3,406	18,123	14,360	3,763	178
1977	Exports	45,227	26,009	20,762	161	628	4,458	19,219	12,226	6,993	3,754
	Imports	40,926	23,354	18,839	177	400	3,938	17,573	13,416	4,157	228
1978	Exports	52,395	31,244	24,910	241	726	5,367	21,151	12,932	8,219	4,214
	Imports	50,795	30,495	24,661	257	521	5,056	20,300	16,228	4,072	93
1979	Exports	64,913	36,152	28,380	268	1,081	6,423	28,761	19,586	9,175	4,345
	Imports	57,961	32,801	26,751	241	618	5,191	25,160	19,718	5,442	741

<sup>1</sup> Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports and imports are f.o.b.

<sup>2</sup> Yugoslavia, Mongolia, and Cuba.

<sup>3</sup> A sum of \$15 million in Soviet imports from Communist countries is not identified by country.

Table 59

Soviet Exports<sup>1</sup>

Million US \$

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	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Total exports	5,558	8,166	12,787	13,792	15,409	21,332	27,374	33,401	37,269	45,227	52,395
Machinery and equipment	1,141	1,634	2,753	3,002	3,637	4,655	5,246	6,230	7,219	8,493	10,277
Fuels, lubricants, and related materials	902	1,403	1,986	2,465	2,717	4,089	6,930	10,470	12,773	15,853	18,695
Coal and coke <sup>2</sup>	242	384	408	488	527	583	746	1,399	1,350	1,422	143
Petroleum and petroleum products	657	998	1,469	1,829	2,013	3,244	5,745	8,212	10,210	12,778	14,776
Ores and concentrates	243	310	403	419	466	548	595	867	839	829	887
Iron ore	175	250	325	334	387	465	491	692	629	599	628
Base metals and manufactures	837	1,329	1,978	2,061	2,300	2,842	3,153	3,813	3,873	2,817	2,987
Ferrous metals	642	997	1,351	1,363	1,427	1,671	1,796	2,673	2,734	2,814	2,987
Rolled ferrous metals	480	716	961	952	988	1,090	1,132	1,794	1,879	1,889	2,020
Nonferrous metals	195	331	627	698	873	1,171	1,358	1,140	1,138	6	N.A.
Aluminum	35	111	184	199	247	313	358	356	N.A.	N.A.	N.A.
Chemicals	150	244	364	396	439	549	887	1,027	939	1,063	1,284
Wood and wood products	305	593	831	864	940	1,378	1,899	1,916	1,995	2,299	2,339
Lumber	183	312	333	352	373	503	748	780	817	934	936
Textile raw materials and semimanufactures	358	421	437	455	584	696	913	976	1,067	1,448	1,313
Cotton fiber	288	334	372	399	526	631	850	917	1,013	1,372	1,229
Consumer goods	908	904	1,356	1,593	1,277	1,673	2,568	2,383	2,020	2,327	2,288
Food (foodstuffs)	702	664	1,019	1,240	860	1,149	1,912	1,556	1,106	1,388	1,149
Grain <sup>3</sup>	467	270	399	602	329	485	822	508	213	515	207
Other consumer goods	205	240	337	353	418	524	656	827	913	939	1,138
Other and unspecified	714	1,328	2,679	2,537	3,049	4,902	5,183	5,719	6,544	10,098	12,325

<sup>1</sup> Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports are f.o.b.

<sup>2</sup> Including small amounts of charcoal and other solid fuels.

<sup>3</sup> Excluding wheat flour.

Table 60

Million US \$

Soviet Imports<sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
Total imports	5,623	8,050	11,720	12,467	16,104	20,980	24,861	37,070	38,212	40,926	50,795
Machinery and equipment	1,673	2,690	4,166	4,237	5,577	7,206	8,057	12,574	13,868	15,587	21,354
Transportation equipment	659	990	1,232	1,094	1,315	1,677	1,826	3,326	3,123	3,142	N.A.
Fuels, lubricants, and related materials	237	198	228	326	467	701	868	1,447	1,374	N.A.	N.A.
Coal and coke	93	123	124	149	196	224	215	499	480	N.A.	N.A.
Petroleum and petroleum products	144	75	82	123	191	367	452	695	661	N.A.	N.A.
Ores and concentrates	314	315	303	336	352	457	510	583	536	N.A.	N.A.
Base metals and manufactures	545	389	691	750	944	1,450	2,773	3,595	3,304	2,480	3,414
Ferrous metals	373	314	593	661	836	1,325	2,569	3,346	3,029	2,466	3,400
Rolled ferrous metals	338	287	568	632	792	1,258	2,462	3,197	2,865	2,287	3,176
Nonferrous metals	172	75	98	89	108	125	204	249	275	N.A.	14
Tin	35	21	30	14	15	17	38	65	N.A.	N.A.	N.A.
Chemicals	149	373	618	702	868	954	1,448	1,747	1,668	1,850	2,188
Rubber and rubber products	196	199	192	154	145	213	365	307	357	N.A.	N.A.
Wood and wood products	105	150	248	259	288	338	473	796	670	723	747
Textile raw materials and semimanufactures	364	358	561	562	531	777	1,018	887	894	1,087	1,025
Cotton fiber	180	162	249	252	183	200	338	271	234	226	93
Wool fiber	118	100	120	113	123	371	358	265	304	373	420
Consumer goods	1,573	2,656	3,789	4,140	5,517	7,074	7,506	12,720	12,574	12,744	14,692
Food	613	1,512	1,590	1,588	2,479	3,704	3,824	7,844	7,736	7,490	8,794
Wheat and wheat flour	10	424	139	174	540	1,042	350	1,711	1,198	1,016	1,026
Other consumer goods	960	1,144	2,199	2,552	3,037	3,370	3,682	4,876	4,838	5,254	5,898
Other and unspecified	466	723	926	1,002	1,416	1,809	1,844	2,414	2,967	6,455	7,375

<sup>1</sup> Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Imports are f.o.b.



Million US \$

Table 61

Chinese Foreign Trade <sup>1</sup>

		Communist Countries					Non-Communist Countries		
		Total Trade	Total	Eastern Europe	USSR	Other <sup>2</sup>	Total	Developed Countries	Less Developed Countries <sup>3</sup>
1965	Exports	2,035	650	95	225	330	1,385	575	810
	Imports	1,680	515	110	190	215	1,165	805	360
1966	Exports	2,210	585	130	145	310	1,625	715	910
	Imports	1,855	505	140	175	190	1,350	1,005	345
1967	Exports	1,960	485	110	55	320	1,475	635	840
	Imports	1,780	345	135	50	160	1,435	1,200	235
1968	Exports	1,960	500	140	35	325	1,460	620	840
	Imports	1,660	340	135	60	145	1,320	1,110	210
1969	Exports	2,060	490	145	30	315	1,570	685	885
	Imports	1,670	295	120	25	150	1,375	1,110	265
1970	Exports	2,150	480	255	20	205	1,680	660	1,020
	Imports	2,045	390	225	25	140	1,655	1,370	285
1971	Exports	2,535	585	290	75	220	1,950	760	1,190
	Imports	2,145	510	290	80	145	1,630	1,290	340
1972	Exports	3,225	740	345	135	260	2,485	1,095	1,390
	Imports	2,585	555	305	120	130	2,030	1,525	505
1973	Exports	5,105	1,005	435	135	435	4,100	1,825	2,270
	Imports	4,625	710	370	135	205	3,915	3,125	790
1974	Exports	6,740	1,450	565	140	745	5,290	2,410	2,880
	Imports	6,805	965	530	145	290	5,840	4,785	1,055
1975	Exports	7,120	1,370	625	150	590	5,755	2,610	3,145
	Imports	6,830	1,005	595	130	280	5,825	4,985	840
1976	Exports	7,275	1,225	540	180	505	6,050	2,695	3,350
	Imports	5,580	1,080	610	240	230	4,500	3,770	730
1977	Exports	8,085	1,355	605	180	570	6,730	2,940	3,790
	Imports	6,615	1,065	650	160	255	5,550	4,165	1,385
1978	Exports	9,895	1,450	870	255	325	8,445	3,775	4,670
	Imports	10,315	1,460	895	240	325	8,855	7,270	1,585
1979	Exports	13,360	1,725	1,075	165	485	11,635	5,525	6,110
	Imports	14,895	1,930	1,220	190	520	12,965	9,990	2,970

<sup>1</sup> Data are f.o.b. and rounded to the nearest US \$5 million.<sup>2</sup> Including data for Yugoslavia, Mongolia, Cuba, Albania, North Korea, and Vietnam.<sup>3</sup> Including data for Hong Kong and Macao.

Table 62

Million US \$

Chinese Exports<sup>1</sup>

	1970			1975			1976			1977			1978		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total	2,150	480	1,680	7,120	1,370	5,755	7,275	1,225	6,050	8,085	1,355	6,730	9,895	1,450	8,445
Foodstuffs	680	90	590	2,110	385	1,725	1,955	295	1,660	1,960	305	1,655	2,225	240	1,985
Animals, meat, and fish	220	20	200	625	60	565	660	20	640	245	0	245	255	0	255
Grains	115	30	80	715	200	515	450	180	270	395	155	245	360	90	270
Fruits and vegetables	175	25	150	355	65	290	385	35	350	500	70	425	565	65	500
Crude materials, fuels, and edible oils	460	60	400	1,930	355	1,570	1,805	305	1,500	2,065	350	1,715	2,550	400	2,150
Oilseeds	65	0	65	140	5	135	85	5	80	85	15	70	90	15	70
Textile fibers	100	10	95	250	40	210	285	30	255	290	10	280	400	25	370
Crude animal materials	120	35	80	230	35	195	260	20	240	85	15	75	95	20	75
Petroleum	0	0	0	900	95	810	840	135	710	225	80	150	235	30	205
Chemicals	110	25	85	295	45	255	330	40	290	410	60	350	465	60	405
Manufactures	895	300	595	2,715	550	2,170	3,075	530	2,545	3,630	620	3,010	4,620	745	3,875
Textile yarn and fabric	350	80	270	1,055	225	835	1,240	225	1,015	1,235	225	1,010	1,705	245	1,455
Clothing	160	85	70	340	95	250	420	80	340	600	105	495	715	110	605
Iron and steel	40	25	15	85	25	60	105	25	80	95	30	70	155	35	115
Nonferrous metals	25	10	15	120	30	90	90	35	55	75	40	35	110	45	65
Other	15	5	10	70	35	35	110	55	55	20	20	0	35	5	30

<sup>1</sup> Data are f.o.b. and rounded to the nearest \$5 million. Estimates are based on data reported by trading partners. Where data are incomplete, as for most less developed countries and for many of the Communist countries, estimates are based on fragmentary information from trade agreements and press reports and on commodity breakdowns available for earlier years.

Million US \$

Table 63

Chinese Imports <sup>1</sup>

	1970			1975			1976			1977			1978		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total	2,045	390	1,655	6,830	1,005	5,825	5,580	1,080	4,500	6,615	1,065	5,550	10,315	1,460	8,855
Foodstuffs	360	70	290	820	100	715	520	90	430	1,005	70	935	1,320	120	1,200
Grains	255	0	250	625	10	610	300	0	300	655	0	655	955	0	955
Crude materials, fuels, and edible oils	385	90	295	960	195	770	830	190	640	1,405	195	1,210	1,735	175	1,560
Rubber	70	0	70	145	10	130	145	15	130	205	15	190	185	0	185
Textile fibers	100	0	100	330	0	325	285	0	280	580	70	500	840	5	835
Chemicals	220	15	205	760	65	695	560	110	450	835	95	740	1,125	155	970
Fertilizer	130	0	125	375	40	335	215	95	125	320	65	255	410	110	300
Manufactures	1,075	215	860	4,245	630	3,615	3,615	655	2,960	3,340	710	2,630	6,095	1,010	5,085
Textile yarn and fabric	40	0	40	80	0	80	115	0	115	165	10	155	220	10	215
Iron and steel	370	35	330	1,430	115	1,310	1,340	100	1,235	1,445	75	1,370	2,885	125	2,760
Nonferrous metals	190	10	175	415	20	390	240	20	220	250	30	220	330	35	295
Machinery and equipment	360	140	225	1,990	440	1,560	1,645	460	1,190	1,140	475	665	1,865	1,225	645
Other	10	0	10	45	15	30	55	35	20	30	0	30	40	0	40

<sup>1</sup> Data are f.o.b. and rounded to the nearest \$5 million. Estimates are based on data reported by trading partners. Where data are incomplete, as for most less developed countries and for many of the Communist countries, estimates are based on fragmentary information from trade agreements and press reports and on commodity breakdowns available for earlier years.

Table 64

Million US \$

East European Foreign Trade <sup>1</sup>

		Communist Countries				Non-Communist Countries			
		Total Trade	Total	USSR	Eastern Europe	Other <sup>2</sup>	Total	Developed Countries	Less Developed Countries
1960	Exports	7,624	5,523	2,817	2,102	604	2,101	1,603	498
	Imports	7,754	5,541	2,954	2,084	503	2,213	1,772	441
1965	Exports	11,789	8,423	4,692	3,172	559	3,366	2,581	785
	Imports	11,611	8,114	4,436	3,111	567	3,497	2,765	732
1970	Exports	18,159	12,546	6,612	4,955	979	5,613	4,426	1,187
	Imports	18,522	12,503	6,803	4,908	792	6,019	5,052	967
1971	Exports	19,986	13,834	7,284	5,426	1,124	6,152	4,828	1,324
	Imports	20,318	13,699	7,291	5,539	869	6,619	5,616	1,003
1972	Exports	24,784	17,313	9,399	6,720	1,194	7,471	5,985	1,486
	Imports	24,487	16,066	8,279	6,768	1,019	8,421	7,255	1,166
1973	Exports	31,660	21,261	10,963	8,901	1,397	10,399	8,490	1,909
	Imports	32,739	20,025	9,973	8,751	1,301	12,714	11,071	1,643
1974	Exports	37,551	23,182	11,403	9,952	1,827	14,369	11,326	3,043
	Imports	42,307	22,944	11,242	9,841	1,861	19,363	16,470	2,893
1975	Exports	45,269	30,193	15,619	12,230	2,344	15,076	11,282	3,794
	Imports	51,314	30,607	16,345	12,238	2,024	20,707	17,687	3,020
1976	Exports	49,493	32,758	16,227	13,878	2,653	16,735	12,817	3,918
	Imports	55,620	32,926	17,232	13,858	1,836	22,694	19,163	3,531
1977	Exports	56,520	38,225	19,236	16,021	2,968	18,295	13,341	4,954
	Imports	62,661	39,078	20,916	15,704	2,458	23,583	19,415	4,168
1978	Exports	65,551	44,596	23,019	18,071	3,506	20,955	15,338	5,617
	Imports	72,621	46,091	24,778	18,046	3,267	26,530	21,910	4,620
1979	Exports	77,875	51,375	26,794	N.A.	N.A.	26,500	19,370	7,130
	Imports	82,999	52,284	28,274	N.A.	N.A.	30,715	24,305	6,410

<sup>1</sup> Official East European statistics. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Exports are on an f.o.b. basis. Imports are f.o.b. except for Hungary, which is on a c.i.f. basis.

<sup>2</sup> Including data for Albania, China, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

Table 65

Million US \$

East European Exports, by Country <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>Bulgaria</b>	<b>571</b>	<b>1,176</b>	<b>2,004</b>	<b>3,327</b>	<b>3,790</b>	<b>4,807</b>	<b>5,316</b>	<b>6,303</b>	<b>7,485</b>	<b>8,990</b>
Of which:										
USSR	307	614	1,078	1,823	1,900	2,643	2,875	3,396	4,048	4,720
Eastern Europe	151	275	431	709	788	968	1,163	1,373	1,506	1,694
Developed Countries	73	190	289	450	466	474	626	663	763	1,287
Less Developed Countries	18	52	125	229	455	463	428	604	785	1,022
<b>Czechoslovakia</b>	<b>1,929</b>	<b>2,688</b>	<b>3,792</b>	<b>5,988</b>	<b>6,884</b>	<b>8,158</b>	<b>8,745</b>	<b>10,011</b>	<b>11,669</b>	<b>13,890</b>
Of which:										
USSR	659	1,023	1,222	1,889	2,023	2,664	2,934	3,397	4,041	4,792
Eastern Europe	561	789	1,213	1,978	2,109	2,621	2,986	3,376	3,857	4,072
Developed Countries	335	468	783	1,330	1,702	1,673	1,671	1,943	2,143	2,851
Less Developed Countries	200	255	331	446	599	706	658	802	979	1,277
<b>East Germany <sup>3</sup></b>	<b>2,207</b>	<b>3,085</b>	<b>4,647</b>	<b>7,772</b>	<b>8,903</b>	<b>10,680</b>	<b>11,645</b>	<b>12,778</b>	<b>14,963</b>	<b>17,300</b>
Of which:										
USSR	924	1,311	1,742	2,860	2,814	3,700	3,657	4,306	5,291	5,810
Eastern Europe	588	852	1,386	2,375	2,690	3,368	3,691	4,160	4,765	N.A.
Developed Countries	446	657	1,078	1,950	2,658	2,631	3,170	3,007	3,386	4,100
Less Developed Countries	89	131	183	280	356	431	473	571	772	900
<b>Hungary</b>	<b>874</b>	<b>1,510</b>	<b>2,317</b>	<b>4,377</b>	<b>4,874</b>	<b>5,694</b>	<b>6,643</b>	<b>7,959</b>	<b>8,814</b>	<b>11,117</b>
Of which:										
USSR	256	525	790	1,454	1,517	2,154	2,346	2,817	3,208	3,779
Eastern Europe	278	468	648	1,333	1,465	1,591	1,950	2,365	2,666	3,248
Developed Countries	192	342	630	1,196	1,363	1,327	1,553	1,712	1,980	2,639
Less Developed Countries	58	107	137	211	325	364	392	473	555	721
<b>Poland</b>	<b>1,326</b>	<b>2,228</b>	<b>3,548</b>	<b>6,471</b>	<b>8,260</b>	<b>10,510</b>	<b>10,969</b>	<b>12,405</b>	<b>14,527</b>	<b>16,846</b>
Of which:										
USSR	390	781	1,251	2,103	2,341	3,362	3,310	3,957	5,006	6,078
Eastern Europe	335	528	882	1,649	1,985	2,671	2,888	3,155	3,384	3,743
Developed Countries	403	647	1,024	2,214	3,042	3,278	3,563	3,877	4,425	5,043
Less Developed Countries	93	172	258	315	641	845	878	1,005	1,073	1,310
<b>Romania</b>	<b>717</b>	<b>1,102</b>	<b>1,851</b>	<b>3,725</b>	<b>4,840</b>	<b>5,420</b>	<b>6,175</b>	<b>7,064</b>	<b>8,093</b>	<b>9,732</b>
Of which:										
USSR	281	438	529	834	808	1,096	1,105	1,363	1,425	1,615
Eastern Europe	189	260	395	857	915	1,011	1,200	1,592	1,893	N.A.
Developed Countries	154	277	622	1,350	2,095	1,899	2,234	2,139	2,641	3,450
Less Developed Countries	40	68	153	428	667	985	1,089	1,499	1,453	1,900

<sup>1</sup> Domestic currency converted into US dollars at the exchange rate prevailing at time of transactions. Exports are on an f.o.b. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

<sup>2</sup> Preliminary.

<sup>3</sup> The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 66

Million US \$

East European Imports, by Country <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>Bulgaria</b>	<b>625</b>	<b>1,178</b>	<b>1,831</b>	<b>3,291</b>	<b>4,278</b>	<b>5,528</b>	<b>5,559</b>	<b>6,344</b>	<b>7,658</b>	<b>8,564</b>
Of which:										
USSR	332	589	955	1,714	1,858	2,826	3,018	3,617	4,571	5,074
Eastern Europe	174	236	372	761	932	1,007	1,055	1,245	1,433	1,594
Developed Countries	89	266	355	528	990	1,289	1,045	1,019	1,151	1,308
Less Developed Countries	13	37	81	154	302	209	237	263	249	296
<b>Czechoslovakia</b>	<b>1,816</b>	<b>2,673</b>	<b>3,695</b>	<b>6,071</b>	<b>7,352</b>	<b>8,874</b>	<b>9,410</b>	<b>10,883</b>	<b>12,488</b>	<b>14,371</b>
Of which:										
USSR	630	955	1,209	1,812	1,979	2,818	3,022	3,637	4,377	5,131
Eastern Europe	524	851	1,123	1,979	2,281	2,839	3,009	3,353	4,007	4,400
Developed Countries	360	514	917	1,566	2,102	2,244	2,429	2,640	2,897	3,340
Less Developed Countries	161	197	214	389	535	501	498	733	606	701
<b>East Germany <sup>3</sup></b>	<b>2,194</b>	<b>2,823</b>	<b>4,923</b>	<b>8,099</b>	<b>9,797</b>	<b>11,947</b>	<b>13,514</b>	<b>15,049</b>	<b>16,452</b>	<b>19,150</b>
Of which:										
USSR	958	1,205	1,945	2,498	2,868	4,172	4,234	5,137	5,686	6,260
Eastern Europe	496	693	1,246	2,342	2,443	3,147	3,668	4,183	4,750	N.A.
Developed Countries	484	656	1,378	2,776	3,549	3,704	4,626	4,365	4,622	5,800
Less Developed Countries	90	120	182	228	533	483	608	723	673	700
<b>Hungary</b>	<b>976</b>	<b>1,520</b>	<b>2,505</b>	<b>3,886</b>	<b>5,340</b>	<b>6,795</b>	<b>7,252</b>	<b>8,558</b>	<b>10,584</b>	<b>11,919</b>
Of which:										
USSR	303	553	832	1,316	1,470	2,284	2,394	2,859	3,672	4,325
Eastern Europe	317	415	726	1,002	1,304	1,813	2,024	2,280	2,451	3,029
Developed Countries	237	383	678	1,196	1,965	1,966	2,027	2,441	3,210	3,326
Less Developed Countries	58	113	177	256	425	498	524	640	710	716
<b>Poland</b>	<b>1,495</b>	<b>2,340</b>	<b>3,608</b>	<b>7,902</b>	<b>10,429</b>	<b>12,752</b>	<b>13,823</b>	<b>14,767</b>	<b>16,513</b>	<b>18,078</b>
Of which:										
USSR	465	728	1,361	1,935	2,323	3,294	3,509	4,310	5,036	5,829
Eastern Europe	400	706	1,000	1,962	2,016	2,354	2,770	3,046	3,549	3,889
Developed Countries	447	583	938	3,501	5,335	6,199	6,798	6,374	6,531	6,631
Less Developed Countries	99	210	196	299	495	597	577	700	861	1,347
<b>Romania</b>	<b>648</b>	<b>1,077</b>	<b>1,960</b>	<b>3,490</b>	<b>5,111</b>	<b>5,418</b>	<b>6,062</b>	<b>7,060</b>	<b>8,926</b>	<b>10,917</b>
Of which:										
USSR	266	406	501	698	744	951	1,055	1,356	1,436	1,655
Eastern Europe	173	210	441	705	865	1,078	1,332	1,597	1,856	N.A.
Developed Countries	155	363	786	1,504	2,529	2,285	2,238	2,576	3,499	3,900
Less Developed Countries	20	55	117	317	603	732	1,087	1,109	1,521	2,650

<sup>1</sup> Imports are f.o.b. except for Hungary, which is on a c.i.f. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

<sup>2</sup> Preliminary.

<sup>3</sup> The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

Table 67

Million US \$

East European Exports, by Commodity Group <sup>1</sup>

	1970	1973	1974	1975	1976	1977	1978	1979
<b>Bulgaria</b>	<b>2,004</b>	<b>3,327</b>	<b>3,790</b>	<b>4,807</b>	<b>5,316</b>	<b>6,303</b>	<b>7,485</b>	<b>8,990</b>
Machinery and equipment	581	1,294	1,512	1,956	2,233	2,855	3,525	4,037
Fuels, minerals, and metals	162	273	371	375	468	536	666	1,169
Agricultural and forestry products	870	1,208	1,213	1,620	1,744	1,847	2,028	2,310
Manufactured consumer goods	295	396	398	495	510	605	734	836
Other	96	156	296	361	361	460	532	638
<b>Czechoslovakia</b>	<b>3,792</b>	<b>5,988</b>	<b>6,884</b>	<b>8,158</b>	<b>8,745</b>	<b>10,011</b>	<b>11,669</b>	<b>13,890</b>
Machinery and equipment	1,911	2,916	3,180	3,916	4,373	5,136	6,161	N.A.
Fuels, minerals, and metals	705	1,060	1,335	1,574	1,627	1,672	1,785	N.A.
Agricultural and forestry products	277	455	633	587	595	741	887	N.A.
Manufactured consumer goods	629	1,114	1,198	1,485	1,539	1,752	1,972	N.A.
Other	270	443	538	596	611	710	864	N.A.
<b>East Germany</b>	<b>4,647</b>	<b>7,772</b>	<b>8,903</b>	<b>10,680</b>	<b>11,645</b>	<b>12,778</b>	<b>14,963</b>	<b>17,300</b>
Machinery and equipment	2,402	3,995	4,291	5,415	5,962	6,823	8,230	N.A.
Fuels, minerals, and metals	469	839	1,264	1,292	1,316	1,431	1,511	N.A.
Agricultural and forestry products	344	699	828	972	1,188	920	1,167	N.A.
Manufactured consumer goods	939	1,329	1,442	1,666	1,677	1,955	2,244	N.A.
Other	493	910	1,078	1,335	1,502	1,649	1,811	N.A.
<b>Hungary</b>	<b>2,317</b>	<b>4,377</b>	<b>4,874</b>	<b>5,694</b>	<b>6,643</b>	<b>7,959</b>	<b>8,814</b>	<b>11,117</b>
Machinery and equipment	755	1,462	1,613	2,107	2,239	2,674	3,050	N.A.
Fuels, minerals, and metals	334	543	629	678	884	1,051	1,111	N.A.
Agricultural and forestry products	619	1,204	1,331	1,435	1,787	2,093	2,274	N.A.
Manufactured consumer goods	494	915	1,004	1,162	1,275	1,536	1,763	N.A.
Other	115	253	297	312	458	605	616	N.A.
<b>Poland</b>	<b>3,548</b>	<b>6,471</b>	<b>8,260</b>	<b>10,510</b>	<b>10,969</b>	<b>12,405</b>	<b>14,527</b>	<b>16,846</b>
Machinery and equipment	1,366	2,511	3,056	4,109	4,541	5,334	6,406	N.A.
Fuels, minerals, and metals	848	1,411	2,130	3,058	2,918	3,076	3,501	N.A.
Agricultural and forestry products	600	984	1,107	1,209	1,338	1,439	1,583	N.A.
Manufactured consumer goods	571	1,055	1,247	1,534	1,645	1,948	2,368	N.A.
Other	163	510	720	600	527	608	667	N.A.

Romania	1,851	3,725	4,840	5,420	6,175	7,064	8,093	9,732
Machinery and equipment	422	909	997	1,371	1,587	1,886	2,307	N.A.
Fuels, minerals, and metals	420	644	1,060	1,209	1,488	1,469	1,805	N.A.
Agricultural and forestry products	496	1,077	1,331	1,225	1,389	1,724	1,619	N.A.
Manufactured consumer goods	335	700	765	873	1,013	1,173	1,416	N.A.
Other	178	395	687	742	698	812	946	N.A.

<sup>1</sup> The values of East European exports by commodity group were calculated by applying East European data on percentage breakdowns to total exports expressed in US dollars (see Table 65, footnote 1).

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 46



Table 68

Million US \$

East European Imports, by Commodity Group <sup>1</sup>

	1970	1973	1974	1975	1976	1977	1978	1979
<b>Bulgaria</b>	<b>1,831</b>	<b>3,291</b>	<b>4,278</b>	<b>5,528</b>	<b>5,559</b>	<b>6,344</b>	<b>7,658</b>	<b>8,564</b>
Machinery and equipment	743	1,448	1,741	2,289	2,290	2,512	3,086	3,194
Fuels, minerals, and metals	533	931	1,232	1,852	1,929	2,392	2,956	3,554
Agricultural and forestry products	291	444	680	702	667	666	766	839
Manufactured consumer goods	104	188	252	282	272	285	314	377
Other	158	280	373	403	401	487	536	600
<b>Czechoslovakia</b>	<b>3,695</b>	<b>6,071</b>	<b>7,352</b>	<b>8,874</b>	<b>9,410</b>	<b>10,883</b>	<b>12,488</b>	<b>14,371</b>
Machinery and equipment	1,234	2,204	2,691	3,204	3,378	4,244	4,983	N.A.
Fuels, minerals, and metals	868	1,463	1,676	2,467	2,719	3,123	3,721	N.A.
Agricultural and forestry products	890	1,336	1,559	1,544	1,666	1,937	1,886	N.A.
Manufactured consumer goods	314	486	588	683	668	653	787	N.A.
Other	389	582	838	976	979	926	1,111	N.A.
<b>East Germany</b>	<b>4,923</b>	<b>8,099</b>	<b>9,797</b>	<b>11,947</b>	<b>13,514</b>	<b>15,049</b>	<b>16,452</b>	<b>19,150</b>
Machinery and equipment	1,684	2,673	2,968	3,680	4,257	5,011	5,594	N.A.
Fuels, minerals, and metals	1,359	1,976	2,626	3,644	3,906	4,364	4,902	N.A.
Agricultural and forestry products	1,383	2,000	2,420	2,700	3,365	3,311	3,422	N.A.
Manufactured consumer goods	222	680	647	669	649	692	839	N.A.
Other	275	770	1,136	1,254	1,337	1,671	1,695	N.A.
<b>Hungary</b>	<b>2,505</b>	<b>3,886</b>	<b>5,340</b>	<b>6,795</b>	<b>7,252</b>	<b>8,558</b>	<b>10,584</b>	<b>11,919</b>
Machinery and equipment	774	1,232	1,623	2,188	2,335	2,790	3,662	N.A.
Fuels, minerals, and metals	591	921	1,164	1,855	1,769	2,054	2,582	N.A.
Agricultural and forestry products	611	886	1,234	1,291	1,523	1,814	1,990	N.A.
Manufactured consumer goods	193	291	368	482	500	616	794	N.A.
Other	336	556	951	977	1,125	1,284	1,556	N.A.
<b>Poland</b>	<b>3,608</b>	<b>7,902</b>	<b>10,429</b>	<b>12,752</b>	<b>13,823</b>	<b>14,767</b>	<b>16,513</b>	<b>18,078</b>
Machinery and equipment	1,306	3,248	4,015	4,769	5,377	5,582	6,242	N.A.
Fuels, minerals, and metals	960	1,841	2,649	3,826	3,829	4,076	4,558	N.A.
Agricultural and forestry products	772	1,612	2,117	2,270	2,557	2,747	3,170	N.A.
Manufactured consumer goods	231	490	584	676	788	960	1,040	N.A.
Other	339	711	1,064	1,211	1,272	1,402	1,503	N.A.
<b>Romania</b>	<b>1,960</b>	<b>3,490</b>	<b>5,111</b>	<b>5,418</b>	<b>6,062</b>	<b>7,060</b>	<b>8,926</b>	<b>10,917</b>
Machinery and equipment	790	1,473	1,738	1,880	1,928	2,591	3,374	N.A.
Fuels, minerals, and metals	596	967	1,641	2,070	2,485	2,640	3,320	N.A.
Agricultural and forestry products	306	625	966	845	958	1,024	1,196	N.A.
Manufactured consumer goods	108	164	199	206	206	275	339	N.A.
Other	160	261	567	417	485	530	697	N.A.

<sup>1</sup> The values of East European imports by commodity group were calculated by applying East European data on percentage breakdowns to total imports expressed in US dollars (see Table 66, footnote 1).

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Table 69

Billion US \$

**Net Financial Flows to Non-OPEC  
Less Developed Countries**

	1973	1974	1975	1976	1977	1978
Total	18.0	32.4	39.7	43.9	48.5	N.A.
Official flows	11.2	19.1	23.7	22.9	25.5	N.A.
Bilateral	9.7	14.0	17.0	16.4	18.5	21.7
Industrial Countries	8.1	10.1	11.2	10.7	11.7	16.3
OPEC	1.0	3.2	5.4	5.2	6.2	4.9
Communist Countries	0.6	0.7	0.4	0.5	0.6	0.5
Multilateral	1.5	5.1	6.7	6.5	7.0	N.A.
IMF Oil Facility	0	1.1	1.6	0.6	0	0
Other	1.5	4.0	5.1	5.9	7.0	N.A.
Private flows	6.8	13.3	16.0	21.0	23.0	N.A.

Table 70

Million US \$

**Gross Official Bilateral Capital  
Flows to the Less Developed Countries<sup>1</sup>**

	1954-78	Annual Average 1954-70	1971	1972	1973	1974	1975	1976	1977	1978
Total	227,584	5,396	10,087	10,551	11,553	16,132	20,164	19,596	22,019	25,752
Development Assistance Committee <sup>2</sup>	192,579	5,083	9,292	9,691	10,593	12,132	14,304	14,296	15,316	20,547
United States	87,401	2,953	4,000	3,586	3,685	4,631	5,063	4,989	5,072	6,168
France	30,177	795	1,118	1,438	1,623	1,806	2,462	2,436	2,540	3,242
West Germany	17,981	338	897	995	1,363	1,422	1,720	1,586	1,733	2,521
United Kingdom	11,697	352	605	679	581	688	694	721	683	1,065
Japan	5,148	220	1,283	1,282	1,389	1,206	1,219	1,038	1,457	2,538
Other Developed Countries <sup>3</sup>	30,175	425	1,389	1,711	1,952	2,379	3,146	3,526	3,831	5,013
OPEC <sup>4</sup>	21,420	N.A.	N.A.	N.A.	N.A.	2,810	4,920	4,140	5,450	4,100
Communist Countries	13,585	315	800	860	950	1,190	940	1,160	1,250	1,105
USSR	7,670	215	420	430	500	705	505	465	545	485
Eastern Europe	3,335	60	190	170	210	230	250	375	470	380
China	2,580	40	190	260	240	255	185	320	235	240

<sup>1</sup> Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character.

<sup>2</sup> Members of the Organization for Economic Cooperation and Development.

<sup>3</sup> Including Australia, Austria, Belgium, Canada, Denmark, Finland, Italy, Norway, the Netherlands, Sweden, and Switzerland;

also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974. Disbursements by all donors to Yugoslavia are excluded.

<sup>4</sup> Including official development assistance—data for other official flows are not available for OPEC.

Million US \$

Table 71

Gross Official Bilateral Capital Flows<sup>1</sup> from Development Assistance Committee Members to the Less Developed Countries, 1954-78

	Total	United States	Other <sup>2</sup>
<b>Total</b>	<b>192,579</b>	<b>87,401</b>	<b>105,178</b>
Africa	45,478	7,363	38,115
Algeria	6,305	597	5,708
Guinea	283	157	126
Other	38,890	6,609	32,281
East Asia	36,894	22,765	14,129
Indonesia	7,888	2,770	5,118
South Korea	8,446	6,344	2,102
Other	20,560	13,651	6,909
Latin America	32,549	17,566	14,983
Brazil	6,511	4,378	2,133
Chile	3,075	2,241	834
Other	22,963	10,947	12,016
Middle East and South Asia	55,589	31,087	24,502
Afghanistan	759	428	331
Egypt	4,518	2,859	1,659
India	18,578	9,771	8,807
Iran	2,538	1,179	1,359
Iraq	405	53	352
North Yemen	222	83	139
Pakistan	8,727	5,235	3,492
Syria	248	131	117
Turkey	4,402	2,686	1,716
Other	15,192	8,662	6,530
Europe	4,798	3,186	1,612
Other	17,271	5,434	11,837

EC

Japan

<sup>1</sup> Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character.

<sup>2</sup> Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden,

Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974.

Table 72

US Economic Loans and Grants Extended  
to the Less Developed Countries<sup>1</sup>

Million US \$

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	1946-79 <sup>1</sup>	1972 <sup>2</sup>	1973 <sup>3</sup>	1974 <sup>3</sup>	1975 <sup>3</sup>	1976 <sup>3</sup>	1977 <sup>3</sup>	1978 <sup>3</sup>	1979 <sup>3</sup>
<b>Total</b>	<b>N.A.</b>	<b>3,937</b>	<b>4,113</b>	<b>3,902</b>	<b>4,908</b>	<b>5,790</b>	<b>5,590</b>	<b>6,626</b>	<b>6,904</b>
Africa	7,491	299	257	300	335	388	417	603	601
Ethiopia	382	33	12	36	24	14	6	10	16
Ghana	360	15	24	6	8	23	13	12	24
Liberia	286	17	19	6	16	7	21	7	18
Morocco	212	Negl.	0	0	0	0	0	0	0
Nigeria	981	38	30	20	24	49	27	36	27
Tunisia	408	25	11	6	9	1	0	0	0
Zaire	868	41	17	10	13	13	24	39	32
Other	598	6	9	4	5	37	46	32	37
East Asia	3,396	124	135	212	236	244	280	467	447
Indonesia	26,625	1,496	1,253	1,197	736	437	341	375	352
Kampuchea	2,537	240	241	90	90	161	134	197	191
Laos	849	58	93	276	149	0	0	0	0
Philippines	902	52	51	40	26	0	0	1	2
South Korea	2,023	70	124	64	68	86	87	84	72
Taiwan	5,930	252	188	37	37	138	77	59	41
Thailand	2,207	0	0	0	0	0	0	0	0
Other	720	34	39	15	7	17	18	11	26
Latin America	11,457	790	517	675	359	35	25	23	20
Argentina	14,974	581	842	628	776	520	348	385	453
Bolivia	199	0	0	Negl.	Negl.	Negl.	Negl.	0	Negl.
Brazil	826	60	27	47	26	32	46	53	51
Chile	2,426	21	54	17	15	6	4	2	2
Colombia	1,164	7	4	10	96	83	33	7	14
Dominican Republic	1,341	116	97	54	28	42	9	7	9
Ecuador	591	27	16	17	12	30	14	6	48
Guatemala	308	10	17	8	8	5	4	6	6
Mexico	420	17	12	5	14	48	21	11	25
Panama	335	Negl.	Negl.	Negl.	Negl.	1	16	20	14
Peru	423	34	16	28	21	31	16	23	21
Venezuela	615	44	9	17	16	24	23	55	71
Other	201	7	2	3	2	1	Negl.	0	Negl.
	6,127	238	588	422	538	217	162	195	192

	35,945	920	754	539	1,786	2,932	2,396	2,577	2,592
Middle East and South Asia									
Afghanistan	538	36	39	14	21	13	21	12	11
Bangladesh	1,521	286	161	80	304	219	145	194	208
Egypt	5,080	2	1	21	370	1,017	908	943	885
Greece	1,910	0	0	0	0	65	0	0	Negl.
Iran	9,882	114	82	137	249	204	126	196	228
India	760	2	1	1	2	1	0	0	Negl.
Israel	4,799	104	110	52	353	793	742	792	790
Jordan	1,349	59	71	64	99	148	84	103	101
Pakistan <sup>4</sup>	4,943	165	178	102	181	268	108	78	50
Turkey	2,775	67	23	6	4	0	Negl.	1	70
Other	2,388	85	88	62	203	204	262	258	249
Europe and Oceania	N.A.	97	80	88	95	195	263	360	52
Spain	1,048	0	3	3	3	0	10	7	7
Other	N.A.	97	77	85	92	195	253	353	45
Interregional	20,092	544	927	1,150	1,180	1,318	1,825	2,326	2,854

<sup>1</sup> Data are for fiscal years and are for official development assistance, which is concessional. Data for 1976 include the transitional quarter—July, August, and September.

<sup>2</sup> Data are reported on a net basis, excluding total deobligations.

<sup>3</sup> Data reported are on a gross basis.

<sup>4</sup> Including Bangladesh prior to 1972.

*Add to fill page  
10-8 countries*

Table 73

Million US \$

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US Military Deliveries to the Less Developed Countries <sup>1</sup>

	1955-79	1973	1974	1975	1976	1977	1978	1979
<b>Total</b>	<b>66,874</b>	<b>5,735</b>	<b>4,430</b>	<b>4,807</b>	<b>5,928</b>	<b>7,130</b>	<b>7,976</b>	<b>6,679</b>
Africa	1,129	18	28	31	81	155	214	222
Ethiopia	285	9	8	18	26	72	0	Negl.
Libya	74	1	1	1	Negl.	Negl.	Negl.	Negl.
Morocco	389	2	4	3	20	53	100	142
Tunisia	99	2	6	2	3	6	2	45
Zaire	76	1	1	1	4	8	12	4
Other	206	3	8	6	28	16	100	31
East Asia	24,408	4,761	1,868	2,023	729	679	1,010	1,033
Burma	93	Negl.	Negl.	Negl.	Negl.	Negl.	1	8
Malaysia	218	3	13	32	19	44	67	21
Philippines	668	16	24	21	45	51	54	38
South Korea	5,659	279	118	214	359	273	515	485
Taiwan	3,926	101	169	177	184	194	210	241
Thailand	1,111	89	46	52	69	53	117	101
Other	12,733	4,273	1,498	1,528	53	64	46	139
Latin America	2,204	82	95	144	220	213	127	130
Argentina	283	10	14	10	12	13	24	38
Brazil	567	25	27	47	90	15	13	16
Chile	270	3	7	13	41	57	11	8
Colombia	136	2	5	2	2	8	5	7
Ecuador	96	Negl.	Negl.	2	6	10	24	13
Peru	248	1	5	9	33	31	18	19
Uruguay	67	7	3	3	2	6	2	1
Venezuela	276	13	17	42	13	52	10	13
Other	261	21	17	16	21	21	20	15
Middle East and South Asia	37,244	785	2,369	2,548	4,750	5,879	6,511	5,147
Greece	3,148	49	114	148	362	274	229	211
India	208	1	1	3	10	11	11	11
Iran	11,164	261	684	1,056	2,033	2,563	2,040	1,007
Israel	6,682	212	1,032	776	1,017	1,082	987	574
Jordan	969	42	49	33	138	115	182	164
Pakistan	960	5	13	15	16	44	55	65
Saudi Arabia	9,070	92	350	349	1,023	1,546	2,535	2,556
Turkey	3,954	113	123	155	117	49	175	151
Other	1,089	10	3	13	34	195	297	408

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	1,889	89	70	61	148	204	114	135
Europe	380	2	3	2	2	4	25	12
Portugal	1,509	87	67	59	146	200	89	123
Spain								

Fiscal years. Including deliveries under the following programs:  
 (a) Military Assistance Program grants under the various Mutual Security Acts; (b) Foreign Military Sales, which consist of US-financed arms, US-guaranteed private arms credits, and US-approved commercial sales; and (c) Military assistance excess stocks, which involve surplus equipment that has been valued at 33 percent of the original acquisition value. For East Asia, the

Military Assistance Service Funded program is included in the data through 1975. Countries receiving these funds in East Asia were Laos, South Korea, Thailand and South Vietnam. US data exclude some \$700 million in naval equipment made available under the Ship Loan and Lease Program. All data reflect the latest available information as of December 1979.

Million US \$

Table 74

## Communist Economic Aid to the Less Developed Countries

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
Total	32,980	14,500	18,190	8,170	9,830	3,590	4,960	2,740
1954-68	9,500	4,185	6,085	2,870	2,380	810	1,030	515
1969-79	23,480	10,315	12,105	5,300	7,450	2,780	3,930	2,225
1969	895	535	475	355	405	105	15	70
1970	1,175	605	200	390	195	145	780	190
1971	2,190	795	1,125	420	485	190	585	260
1972	2,180	860	655	430	920	170	605	240
1973	1,920	960	715	500	605	220	600	255
1974	1,915	1,190	815	705	820	230	280	185
1975	2,810	940	1,935	505	510	250	365	320
1976	1,930	1,160	980	465	800	375	150	235
1977	1,030	1,250	425	545	405	470	195	240
1978	4,850	1,110	3,060	485	1,575	380	220	240
1979	2,585	910	1,720	500	730	255	135	160



Table 75

- Million US \$

## Communist Military Agreements Concluded and Deliveries to the Less Developed Countries

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	Total		USSR		Eastern Europe		China	
	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries
Total	52,770	39,670	47,340	35,340	4,285	3,405	1,145	920
1955-68	6,600	5,560	5,505	4,610	810	755	270	180
1969-79	46,170	34,105	41,835	30,730	3,475	2,650	875	740
1969	485	555	360	450	125	80	Negl.	25
1970	1,265	1,095	1,150	995	50	75	65	30
1971	1,790	1,050	1,590	865	120	125	80	60
1972	1,925	1,365	1,690	1,215	155	75	80	80
1973	3,045	3,340	2,890	3,135	130	130	25	80
1974	6,460	2,460	5,735	2,225	635	210	90	25
1975	4,000	2,425	3,325	2,040	635	285	40	100
1976	6,035	3,520	5,550	3,085	345	330	145	100
1977	9,260	5,125	8,715	4,705	475	345	75	75
1978	3,155	5,965	2,465	5,400	555	470	135	95
1979	8,750	7,205	8,365	6,615	250	525	140	70

Table 76

Million US \$

## Communist Economic Aid Extended to the Less Developed Countries

	USSR 1954-79	Eastern Europe 1954-79	China 1956-79
Total	18,190	9,830	4,960
Africa	4,115	2,425	2,775
Algeria	715	525	90
Angola	15	100	0
Benin	5	N.A.	45
Cameroon	10	0	100
Chad	5	0	70
Congo	30	60	75
Ethiopia	200	95	100
Ghana	95	145	40
Guinea	210	110	85
Kenya	45	0	20
Madagascar	20	Negl.	90
Mali	90	25	100
Mauritania	10	10	85
Morocco	2,100	170	55
Mozambique	5	15	60
Niger	Negl.	0	55
Nigeria	5	80	0
Senegal	10	35	60
Sierra Leone	30	0	60
Somalia	165	10	155
Sudan	65	240	80
Tanzania	40	50	360
Togo	0	0	45
Tunisia	95	230	95
Upper Volta	5	0	50
Zaire	0	0	105
Zambia	15	60	330
Other	130	465	365
East Asia	260	550	335
Burma	15	175	85
Indonesia	215	290	45
Kampuchea	25	15	90
Philippines	0	65	0
Other	5	5	115

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USSR EC China

Table 76 (continued)

Million US \$

**Communist Economic Aid Extended to  
the Less Developed Countries**

	USSR	Eastern Europe	China
	1954-79	1954-79	1956-79
Latin America	965	1,870	155
Argentina	220	295	0
Bolivia	70	50	0
Brazil	90	620	0
Chile	240	145	65
Colombia	210	80	0
Jamaica	30	285	10
Peru	25	215	40
Other	80	180	50
Middle East and South Asia	12,850	4,980	1,645
Afghanistan	1,290	135	75
Bangladesh	305	210	75
Egypt	1,440	890	135
India	2,280	455	0
Iran	1,165	685	0
Iraq	705	495	45
Nepal	30	0	180
North Yemen	145	40	130
Pakistan	920	215	620
South Yemen	205	65	80
Sri Lanka	160	95	220
Syria	770	955	60
Turkey	3,330	395	0
Other	105	345	25
Europe	0	0	45
Malta	0	0	45

Table 77

Million US \$

**Communist Economic Aid Extended to  
the Less Developed Countries, 1979**

	USSR	Eastern Europe	China
<b>Total</b>	<b>1,720</b>	<b>730</b>	<b>135</b>
Africa	95	135	40
Ethiopia	95	Negl.	0
Other	0	135	40
East Asia	0	0	65
Other	0	0	65
Latin America	0	265	Negl.
Jamaica	0	250	0
Other	0	15	Negl.
Middle East and South Asia	1,625	330	30
Afghanistan	25	25	0
Bangladesh	0	50	0
North Yemen	0	25	0
Pakistan	0	90	20
Turkey	1,600	0	0
Other	0	140	10

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**Table 78** Million US \$**Soviet Economic Aid Extended to the Communist Countries <sup>1</sup>**

	1954-79	1954-70	1971-79 <sup>2</sup>
<b>Total</b>	<b>15,642</b>	<b>9,524</b>	<b>6,118</b>
Eastern Europe	6,283	3,846	2,437
Bulgaria	1,993	1,993	0
Czechoslovakia	14	14	0
East Germany	990	990	0
Hungary	348	348	0
Poland	2,815	378	2,437
Romania	123	123	0
Far East	1,067	1,067	0
China	495	495	0
North Korea	118	118	0
Vietnam	454	454	0
Other	8,292	4,611	3,681
Albania	65	65	0
Cuba	5,770	2,629	3,141
Mongolia	1,609	1,609	0
Yugoslavia	848	308	540

<sup>1</sup> Excluding data for Eastern Europe prior to 1956 because war reparations, 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; data are unavailable for North Korea and Vietnam after 1965 and for Mongolia after 1967; the data exclude Soviet sugar subsidy payments to Cuba. Because of the large trade deficits East European countries have had with the USSR in recent years, it is likely that there have been unpublicized credits.

<sup>2</sup> Total Soviet aid in 1977-79 of \$205 million, \$330 million, and \$440 million, respectively, was extended to Cuba.

Table 79

Million US \$

Arms Exports to the Less Developed Countries <sup>1</sup>

	1955-79	1955-71	1972-79	1972	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>Total</b>	<b>135,220</b>	<b>34,605</b>	<b>100,615</b>	<b>6,550</b>	<b>10,410</b>	<b>8,450</b>	<b>9,435</b>	<b>12,945</b>	<b>16,325</b>	<b>18,865</b>	<b>17,635</b>
<b>Non-Communist Countries</b>	<b>94,480</b>	<b>26,355</b>	<b>68,125</b>	<b>5,175</b>	<b>7,040</b>	<b>5,980</b>	<b>6,895</b>	<b>9,115</b>	<b>10,995</b>	<b>12,700</b>	<b>10,225</b>
United States <sup>3</sup>	66,875	20,230	46,645	3,975	5,735	4,430	4,805	5,930	7,130	7,975	6,665
Western Europe	22,865	5,230	17,635	1,010	1,100	1,270	1,675	2,695	3,260	3,965	2,660
United Kingdom	6,615	2,450	4,165	240	305	410	350	565	745	950	600
France	7,430	1,445	5,985	375	515	405	490	810	1,180	1,425	785
West Germany	3,880	615	3,265	220	105	185	350	570	710	700	425
Italy	2,570	290	2,280	85	95	190	230	350	350	550	430
Belgium	705	165	540	5	20	50	50	115	115	125	60
Switzerland	875	140	735	40	15	15	75	135	85	120	250
Netherlands	465	60	405	35	35	5	55	75	40	65	95
Spain	325	65	260	10	10	10	75	75	35	30	15
Other	4,740	895	3,849	190	205	280	415	490	605	760	900
<b>Communist Countries</b>	<b>40,740</b>	<b>8,250</b>	<b>32,490</b>	<b>1,375</b>	<b>3,370</b>	<b>2,470</b>	<b>2,540</b>	<b>2,540</b>	<b>3,830</b>	<b>5,330</b>	<b>7,410</b>
USSR	35,340	6,920	28,420	1,215	3,135	2,225	2,040	2,040	3,085	4,705	6,615
China	920	295	625	80	80	25	100	100	100	75	70
Eastern Europe	3,405	1,035	2,370	75	130	210	285	285	330	345	525
Other	1,075	N.A.	1,075	5	25	10	115	315	205	200	200

<sup>1</sup> Including military sales and downpayments, as well as military aid. Data have been rounded to the nearest \$5 million.

<sup>2</sup> Preliminary.

<sup>3</sup> Data are for fiscal years. Until 1972 US Department of Defense

data did not include the Military Assistance Service Funded (MASF) program. The sharp increase in exports beginning in 1972 is accounted for to some extent by the inclusion of this category of assistance.

**Table 80**

Number of Persons

**Trainees Departing From the Less Developed Countries  
for Training in Communist Countries <sup>1</sup>**

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>Total trainees</b>	<b>7,845</b>	<b>8,140</b>	<b>9,845</b>	<b>11,755</b>	<b>12,660</b>	<b>13,880</b>	<b>16,350</b>	<b>13,835</b>	<b>14,830</b>	<b>19,030</b>
USSR and Eastern Europe	7,535	7,670	8,795	11,260	12,425	13,290	16,135	13,415	14,685	18,965
China	310	470	1,050	495	235	590	215	420	145	65
<b>Academic trainees</b>	<b>3,645</b>	<b>4,100</b>	<b>4,270</b>	<b>5,375</b>	<b>4,645</b>	<b>5,060</b>	<b>7,965</b>	<b>7,950</b>	<b>8,720</b>	<b>13,865</b>
USSR and Eastern Europe	3,645	4,100	4,070	5,275	4,615	4,995	7,905	7,875	8,665	13,815
China	0	0	200	100	30	65	60	75	55	50
<b>Technical trainees</b>	<b>1,650</b>	<b>2,835</b>	<b>2,360</b>	<b>3,715</b>	<b>4,380</b>	<b>4,135</b>	<b>5,320</b>	<b>3,155</b>	<b>3,290</b>	<b>2,975</b>
USSR and Eastern Europe	1,650	2,835	2,360	3,715	4,300	4,095	5,265	3,005	3,250	2,975
China	0	0	0	0	80	40	55	150	40	0
<b>Military trainees</b>	<b>2,550</b>	<b>1,205</b>	<b>3,215</b>	<b>2,665</b>	<b>3,635</b>	<b>4,685</b>	<b>3,065</b>	<b>2,730</b>	<b>2,820</b>	<b>2,190</b>
USSR and Eastern Europe	2,240	735	2,365	2,270	3,510	4,200	2,965	2,535	2,770	2,175
China	310	470	850	395	125	485	100	195	50	15

<sup>1</sup> Rounded to the nearest five. Data are for persons departing for training and not necessarily those completing training.

Table 81

Number of Persons

**Military Trainees Departing From the Less Developed Countries  
for Training in Communist Countries, 1955-79<sup>1</sup>**

	Total	USSR	Eastern Europe	China
<b>Total</b>	<b>55,075</b>	<b>45,600</b>	<b>6,325</b>	<b>3,150</b>
<b>Africa</b>	<b>18,900</b>	<b>14,425</b>	<b>1,750</b>	<b>2,725</b>
Algeria	2,425	2,200	200	25
Benin	25	25	0	0
Burundi	75	75	0	0
Cameroon	125	0	0	125
Congo	850	350	75	425
Equatorial Guinea	200	200	0	0
Ghana	175	175	0	0
Guinea	1,250	850	50	350
Guinea-Bissau	100	100	0	0
Libya	1,575	1,300	275	0
Mali	400	350	Negl.	50
Morocco	150	75	75	0
Nigeria	825	800	25	0
Sierra Leone	150	0	0	150
Somalia	2,575	2,400	150	25
Sudan	550	325	25	200
Tanzania	3,000	1,975	Negl.	1,025
Togo	50	0	0	50
Zaire	75	0	0	75
Zambia	250	200	0	50
Other	4,075	3,025	875	175
<b>East Asia</b>	<b>9,300</b>	<b>7,600</b>	<b>1,700</b>	<b>0</b>
Indonesia	9,275	7,575	1,700	0
Kampuchea	25	25	0	0
<b>Latin America</b>	<b>775</b>	<b>775</b>	<b>0</b>	<b>0</b>
Peru	775	775	0	0
<b>Middle East and South Asia</b>	<b>26,100</b>	<b>22,800</b>	<b>2,875</b>	<b>425</b>
Afghanistan	4,025	3,725	300	0
Bangladesh	475	450	0	25
Egypt	6,250	5,675	575	0
India	2,250	2,175	75	0
Iran	325	325	0	0
Iraq	4,400	3,700	700	0

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Table 81 (continued)

Number of Persons

**Military Trainees Departing From the Less Developed Countries  
for Training in Communist Countries, 1955-79<sup>1</sup>**

	Total	USSR	Eastern Europe	China
North Yemen	1,175	1,175	0	0
Pakistan	425	50	0	375
South Yemen	1,100	1,075	25	0
Sri Lanka	Negl.	Negl.	0	Negl.
Syria	4,950	3,750	1,200	0
Other	725	700	0	25

<sup>1</sup> Rounded to the nearest twenty-five. Data are for persons departing for or in training but not necessarily completing training.

Table 82

Number of Persons

Communist Economic Technicians<sup>1</sup> in  
the Less Developed Countries, 1979

	Total	USSR and Eastern Europe	China	Cuba	North Korea
<b>Total</b>	<b>108,355</b>	<b>80,830</b>	<b>12,860</b>	<b>13,610</b>	<b>1,055</b>
<b>Africa</b>	<b>69,040</b>	<b>48,285</b>	<b>10,255</b>	<b>9,485</b>	<b>1,015</b>
Algeria	11,900	11,500	300	100	0
Angola	9,270	2,760	10	6,500	0
Ethiopia	2,250	1,500	300	450	0
Ghana	195	75	120	0	0
Guinea	1,070	645	225	200	0
Liberia	105	5	100	0	0
Libya	25,255	23,500	5	1,000	750
Mali	885	485	400	0	0
Mauritania	455	55	400	0	0
Somalia	1,050	50	1,000	0	0
Sudan	460	10	450	0	0
Tanzania	1,320	140	1,100	80	0
Tunisia	690	490	200	0	0
Uganda	65	0	65	0	0
Zambia	1,010	10	1,000	0	0
Other and undistributed	13,060	7,060	4,580	1,155	265
<b>East Asia</b>	<b>250</b>	<b>90</b>	<b>160</b>	<b>0</b>	<b>0</b>
Burma	165	15	150	0	0
Indonesia	30	30	0	0	0
Other	55	45	10	0	0
<b>Latin America</b>	<b>3,225</b>	<b>595</b>	<b>155</b>	<b>2,475</b>	<b>0</b>
Bolivia	215	215	0	0	0
Jamaica	650	0	50	600	0
Peru	120	110	10	0	0
Other	2,240	270	95	1,875	0
<b>Middle East and South Asia</b>	<b>35,705</b>	<b>31,850</b>	<b>2,165</b>	<b>1,650</b>	<b>40</b>
Afghanistan	3,775	3,700	75	0	0
Bangladesh	145	115	30	0	0
Egypt	775	750	25	0	0
India	1,285	1,285	0	0	0
Iran	2,200	2,200	0	0	0
Iraq	12,900	11,275	275	1,350	0

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Table 82 (Continued)

Number of Persons

Communist Economic Technicians<sup>1</sup> in  
the Less Developed Countries, 1979

	Total	USSR and Eastern Europe	China	Cuba	North Korea
Nepal	335	10	325	0	0
North Yemen	510	160	335	0	15
Pakistan	1,025	750	275	0	0
South Yemen	2,030	1,280	450	300	0
Sri Lanka	410	85	325	0	0
Syria	6,025	6,000	25	0	0
Turkey	1,575	1,575	0	0	0
Other and undistributed	2,715	2,665	25	0	25
Europe	135	10	125	0	0
Malta	135	10	125	0	0

<sup>1</sup> Rounded to the nearest five. Data are minimum estimates of the number of persons present for one month or more.

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Table 83

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	21,143	24,918	30,819	31,701	30,508	30,154	30,134	30,340	30,843	32,126
Canada	1,750	2,539	3,709	4,942	4,893	4,678	4,567	4,774	4,822	5,223
Japan	1,017	1,106	1,028	774	861	874	923	851	990	1,128
Norway	158	255	298	403	427	590	721	673	807	901
European Community	<b>6,920</b>	<b>7,240</b>	<b>7,170</b>	<b>7,700</b>	<b>7,780</b>	<b>8,200</b>	<b>8,500</b>	<b>9,270</b>	<b>9,270</b>	<b>9,900</b>
Belgium <sup>2</sup>	31	274	161	129	120	146	159	160	155	144
France	1,082	1,115	1,026	860	874	899	819	975	957	965
Italy	395	423	490	502	504	515	522	528	510	499
Netherlands	216	233	648	1,349	1,583	1,702	1,818	1,814	1,669	1,748
United Kingdom	2,691	2,680	2,346	2,452	2,290	2,571	2,786	3,381	3,665	4,149
West Germany	2,503	2,521	2,495	2,400	2,402	2,357	2,386	2,402	2,306	2,375
<b>Other Countries</b>										
Iran	1,126	1,977	3,920	6,267	6,481	5,802	6,332	6,093	5,651	3,250
Kuwait	1,766	2,451	3,138	3,171	2,686	2,225	2,291	2,127	2,315	2,742
Saudi Arabia	1,405	2,313	3,929	7,763	8,717	7,312	8,877	9,554	8,716	10,142
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>13,200</b>	<b>17,800</b>	<b>22,300</b>	<b>25,100</b>	<b>26,400</b>	<b>27,800</b>	<b>29,200</b>	<b>30,500</b>	<b>31,600</b>	<b>32,700</b>
USSR	9,280	13,210	17,020	19,550	20,710	21,920	23,150	24,290	25,400	26,280
Eastern Europe	<b>3,870</b>	<b>4,570</b>	<b>5,280</b>	<b>5,550</b>	<b>5,660</b>	<b>5,840</b>	<b>6,030</b>	<b>6,180</b>	<b>6,240</b>	<b>6,370</b>
Bulgaria	109	144	151	133	123	143	145	154	153	164
Czechoslovakia	761	865	906	898	908	907	931	948	949	968
East Germany	1,027	1,113	1,172	1,105	1,113	1,126	1,143	1,171	1,174	1,166
Hungary	207	254	277	276	276	270	286	292	304	288
Poland	1,278	1,531	1,895	2,133	2,197	2,294	2,384	2,479	2,529	2,703
Romania	487	666	879	1,009	1,039	1,096	1,145	1,133	1,127	1,078
<b>Far East</b>										
China	N.A.	2,570	3,970	5,290	5,650	6,560	6,810	7,620	8,470	8,710
North Korea	N.A.	324	466	546	N.A.	622	618	622	644	663
<b>Other</b>										
Yugoslavia	202	286	330	362	400	402	419	458	470	488

<sup>1</sup> Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

<sup>2</sup> Including data for Luxembourg.

Table 84

Thousand Barrels per Day of Oil Equivalent

Primary Energy Consumption<sup>1</sup>

Add OECD

	1960	1965	1970	1973	1974	1975	1976	1977	1978
<b>OECD</b>									
United States	20,628	24,782	31,577	35,233	34,534	33,557	35,626	36,705	37,572
Canada	1,960	2,417	3,148	3,882	3,832	4,043	4,081	4,205	4,384
Japan	1,931	3,179	5,821	7,068	7,148	6,974	7,125	7,168	7,315
Norway	186	267	360	408	401	406	426	414	453
<b>European Community</b>									
Belgium <sup>2</sup>	588	751	971	1,093	1,064	973	1,031	1,022	1,033
France	1,840	2,364	3,080	3,781	3,669	3,431	3,645	3,677	3,897
Italy	1,058	1,617	2,479	2,796	2,793	2,663	2,835	2,877	2,859
Netherlands	487	735	1,156	1,468	1,410	1,392	1,522	1,477	1,513
United Kingdom	3,506	3,962	4,358	4,587	4,384	4,129	4,200	4,286	4,288
West Germany	2,960	3,762	4,798	5,390	5,266	4,919	5,329	5,311	5,510
<b>Other Countries</b>									
Iran	97	135	389	481	560	609	683	740	891
Kuwait	49	93	110	68	74	79	92	105	114
Saudi Arabia	20	35	103	75	95	124	148	156	179
<b>Communist Countries</b>									
<b>USSR and Eastern Europe</b>									
USSR <sup>3</sup>	8,520	11,750	14,830	17,230	18,050	19,020	19,750	20,660	21,620
<b>Eastern Europe</b>									
Bulgaria	132	254	391	470	504	526	550	591	623
Czechoslovakia	798	986	1,136	1,243	1,275	1,298	1,361	1,452	1,463
East Germany	1,171	1,336	1,491	1,538	1,555	1,576	1,617	1,676	1,707
Hungary	269	360	431	475	489	509	533	548	591
Poland	1,053	1,295	1,653	1,863	1,926	2,078	2,185	2,293	2,375
Romania	376	565	844	1,031	1,044	1,125	1,219	1,244	1,314
<b>Other</b>									
Yugoslavia	227	331	448	542	597	598	639	677	719

<sup>1</sup> Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent. Data exclude minor fuels such as peat, shale, and fuelwood and include marine bunkers.

<sup>2</sup> Including data for Luxembourg.

<sup>3</sup> Including peat, shale, and fuelwood.

Table 85

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production, by Type <sup>1</sup>

	1965				1970				1979			
	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear
OECD												
United States	6,531	9,545	7,819	1,023	7,359	11,380	10,686	1,394	9,191	10,205	9,933	2,797
Canada	124	1,115	703	597	171	1,625	1,110	803	392	1,785	1,631	1,415
Japan	675	15	31	385	538	18	45	427	239	10	41	838
Norway	6	0	0	249	6	0	0	292	4	445	0	452
European Community												
Belgium <sup>2</sup>	268	0	0	6	154	0	1	6	83	0	0	61
France	706	80	87	242	523	68	118	317	262	40	134	529
Italy	9	46	134	234	9	30	227	224	5	31	222	241
Netherlands	155	50	28	0	59	43	544	2	0	30	1,701	17
United Kingdom	2,580	Negl.	0	100	1,992	0	194	160	1,663	1,615	665	206
West Germany	2,234	161	48	78	1,999	152	224	120	1,690	100	307	278
Other Countries												
Iran	4	1,950	21	2	7	3,870	35	8	12	3,045	173	20
Kuwait	0	2,420	31	0	0	3,050	88	0	0	2,623	119	0
Saudi Arabia	0	2,295	18	0	0	3,890	39	0	0	9,808	334	0
Communist Countries												
USSR and Eastern Europe												
USSR	5,780	4,850	2,100	480	6,060	7,040	3,270	650	6,770	11,710	6,750	1,050
Eastern Europe												
Bulgaria	125	5	1	14	125	7	8	12	108	5	1	50
Czechoslovakia	803	4	14	44	861	4	17	23	928	2	13	25
East Germany	1,105	1	1	7	1,150	1	10	12	1,062	1	53	50
Hungary	200	36	18	1	182	39	56	1	141	41	105	1
Poland	1,495	7	23	5	1,790	8	84	11	2,559	7	124	13
Romania	75	264	321	6	125	281	460	13	164	259	606	48
Far East												
China	2,240	230	20	80	3,140	600	70	160	6,050	2,120	260	280
North Korea	214	0	0	110	362	0	0	104	543	0	0	120
Other												
Yugoslavia	180	40	6	60	164	56	18	93	225	83	30	150

<sup>1</sup> Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

<sup>2</sup> Including data for Luxembourg.

Table 86

**Proved Reserves of Crude Oil, Natural Gas,  
and Coal, Yearend 1979<sup>1</sup>**

	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal <sup>2</sup> (Million Metric Tons)
<b>OECD</b>			
United States	26	194	178,600
Canada	7	86	9,400
Norway	6	24	N.A.
<b>European Community</b>			
United Kingdom	15	25	45,000
West Germany	Negl.	6	34,400
<b>Other Countries</b>			
Algeria	8	132	N.A.
Brazil	1	2	8,100
Ecuador	1	4	0
Egypt	3	3	Negl.
India	3	9	33,700
Indonesia	10	24	1,400
Iran	58	490	200
Iraq	31	28	0
Kuwait	65	31	0
Libya	24	24	0
Mexico	31	59	900
Nigeria	17	41	100
Oman	2	2	0
Qatar	4	60	0
Saudi Arabia	163	93	0
South Africa	0	0	26,900
Syria	2	2	0
United Arab Emirates	29	20	0
Venezuela	18	43	1,000
<b>Communist Countries</b>			
<b>USSR and Eastern Europe</b>			
USSR	35	1,060 <sup>3</sup>	256,000 <sup>3</sup>
<b>Eastern Europe</b>			
Poland	Negl.	5	21,800
Romania	1	9	400

*Double up*



**Table 86 (continued)**

**Proved Reserves of Crude Oil, Natural Gas,  
and Coal, Yearend 1979<sup>1</sup>**

	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal <sup>2</sup> (Million Metric Tons)
Other			
North Korea	0	0	8,000
Yugoslavia	Negl.	1	8,500

<sup>1</sup> The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology.

<sup>2</sup> Yearend 1977. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram).

<sup>3</sup> Including proved, probable, and some possible reserves.

*TOP SECRET*

Table 87

Thousand Barrels per Day

**Crude Oil Refining Capacity  
1 January 1980**

<b>OECD</b>	<b>43,552.5</b>	<b>Other Countries</b>	
United States	17,719.9	Argentina	676.2
Australia	724.6	Bahamas	500.0
Canada	2,222.1	Brazil	1,205.0
Japan	5,509.2	Egypt	234.0
Spain	1,455.9	India	556.8
European Community	<b>15,920.8</b>	Mexico	1,393.5
Belgium	1,064.0	Netherlands Antilles	792.0
France	3,384.9	Singapore	920.8
Italy	4,131.2	Trinidad and Tobago	456.0
Netherlands	1,827.5	Virgin Islands	728.0
United Kingdom	2,527.5	<b>Communist Countries</b>	
West Germany	2,985.7	USSR and Eastern Europe	<b>13,280.0</b>
<b>OPEC</b>	<b>4,744.9</b>	USSR	10,950.0
Abu Dhabi	13.5	Eastern Europe	<b>2,330.0</b>
Algeria	122.4	Bulgaria	280.0
Ecuador	86.1	Czechoslovakia	420.0
Gabon	20.0	East Germany	440.0
Indonesia	527.7	Hungary	230.0
Iran	920.5	Poland	380.0
Iraq	168.5	Romania	580.0
Kuwait	645.0	<b>Far East</b>	
Libya	137.6	China	1,600.0
Nigeria	160.0	North Korea	90.0
Qatar	10.8	<b>Other</b>	
Saudi Arabia	487.3	Cuba	125.0
Venezuela	1,445.5	Yugoslavia	400.0

*Three Columns*

*10/1/80*

Table 88

Thousand Barrels per Day

Crude Oil Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>	<b>7,860</b>	<b>9,010</b>	<b>11,500</b>	<b>11,700</b>	<b>11,200</b>	<b>10,700</b>	<b>10,700</b>	<b>11,300</b>	<b>12,200</b>	<b>12,700</b>
United States	7,055	7,804	9,648	9,210	8,770	8,375	8,130	8,180	8,700	8,535
Canada	526	793	1,305	1,800	1,695	1,460	1,300	1,320	1,315	1,495
European Community	221	309	264	209	197	204	431	952	1,260	1,750
<b>Other Countries</b>										
Abu Dhabi	0	282	691	1,305	1,410	1,370	1,585	1,650	1,445	1,465
Algeria	183	544	976	1,070	960	975	1,020	1,100	1,160	1,135
Gabon	16	25	104	150	200	225	225	220	210	205
Indonesia	411	501	855	1,340	1,375	1,305	1,505	1,685	1,635	1,590
Iran	1,068	1,895	3,831	5,860	6,020	5,350	5,885	5,665	5,240	3,035
Iraq	1,004	1,311	1,563	2,020	1,970	2,260	2,415	2,350	2,560	3,435
Kuwait <sup>3</sup>	1,696	2,362	2,983	3,020	2,545	2,085	2,143	1,980	2,132	2,500
Libya	0	1,238	3,321	2,175	1,520	1,480	1,935	2,065	1,985	2,065
Mexico	271	328	420	450	575	715	800	980	1,215	1,460
Nigeria	17	263	1,090	2,055	2,255	1,785	2,070	2,085	1,895	2,305
Qatar	175	227	367	570	520	440	495	445	485	505
Saudi Arabia <sup>3</sup>	1,315	2,204	3,789	7,595	8,480	7,075	8,575	9,210	8,302	9,530
Venezuela	2,846	3,473	3,708	3,365	2,976	2,345	2,295	2,240	2,165	2,355
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>3,220</b>	<b>5,150</b>	<b>7,320</b>	<b>8,780</b>	<b>9,380</b>	<b>9,990</b>	<b>10,500</b>	<b>11,100</b>	<b>11,600</b>	<b>11,800</b>
USSR	2,943	4,835	6,976	8,420	9,020	9,630	10,170	10,700	11,215	11,470
Eastern Europe	277	317	340	356	362	363	366	364	345	313
Bulgaria	4	5	7	4	3	2	2	3	3	3
Czechoslovakia	3	4	4	3	3	3	3	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1
Hungary	24	36	39	40	40	40	43	44	44	41
Poland	4	7	8	8	11	11	9	7	7	7
Romania	241	264	281	300	304	306	308	307	288	259
<b>Far East</b>										
China <sup>2, 4</sup>	102	227	603	1,138	1,364	1,542	1,736	1,874	2,082	2,122
<b>Other</b>										
Albania	15	16	30	34	35	37	38	38	N.A.	N.A.
Cuba	1	1	3	3	3	5	5	5	5	5
Yugoslavia	18	40	57	68	69	74	78	79	79	83

<sup>1</sup> Unless otherwise indicated, data are for crude oil and exclude natural gas liquids, shale oil, natural gasoline, and synthetic crude oil.

<sup>2</sup> Including about one-half of neutral zone production, which amounted to about 460,000 barrels per day in 1978.

<sup>3</sup> Including small quantities of synthetic crude oil.

<sup>4</sup> Including shale oil.

Table 89

Thousand Barrels per Day

## Crude Oil Consumption

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	9,797	11,513	14,697	16,855	16,175	15,860	16,985	17,895	18,330	17,915
Japan	590	1,750	4,000	5,390	5,250	4,965	5,160	5,400	5,420	5,500
Canada	837	1,115	1,484	1,755	1,690	1,765	1,770	1,765	1,800	1,825
Western Europe	4,007	7,661	12,402	14,690	13,775	12,970	13,860	13,645	14,045	14,420
Belgium, Luxembourg, Netherlands	420	835	1,290	1,470	1,280	1,225	1,335	1,300	1,315	1,395
France	579	1,117	1,949	2,485	2,370	2,145	2,330	2,275	2,370	2,420
Italy	475	1,042	1,760	2,080	2,050	1,905	1,970	1,920	1,965	1,990
Spain <sup>1</sup>	121	253	540	760	805	895	995	900	975	1,030
United Kingdom	975	1,473	2,030	2,270	2,120	1,840	1,850	1,865	1,905	1,900
West Germany	659	1,569	2,572	2,985	2,700	2,555	2,775	2,735	2,855	2,900
Other	778	1,372	2,261	2,635	2,455	2,405	2,600	2,655	2,660	2,785

<sup>1</sup> Including the Canary Islands.

Table 90

Thousand Barrels per Day

Major Exporters of Oil<sup>1</sup>

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Non-Communist Countries <sup>2</sup>										
Abu Dhabi	695	928	1,050	1,293	1,420	1,369	1,582	1,643	1,425	1,405
Algeria	985	693	1,007	1,029	938	940	985	1,065	1,080	1,025
Indonesia	725	749	943	1,167	1,160	1,095	1,326	1,473	1,387	1,225
Iran	3,519	4,173	4,675	5,424	5,529	4,886	5,330	4,986	4,530	2,465
Iraq	1,496	1,619	1,437	1,930	1,853	2,064	2,258	2,194	2,411	3,250
Kuwait	2,831	3,009	3,136	2,847	2,396	1,944	2,128	1,938	2,088	2,365
Libya	3,312	2,747	2,214	2,174	1,490	1,478	1,900	2,034	1,954	1,985
Nigeria	1,051	1,486	1,759	1,993	2,183	1,719	2,024	2,044	1,831	2,135
Saudi Arabia	3,564	4,481	5,764	7,346	8,244	6,932	8,422	8,950	8,064	9,100
Venezuela	3,465	3,282	3,065	3,150	2,752	2,086	2,132	1,963	1,935	2,070
Communist Countries										
USSR	1,920	2,110	2,140	2,380	2,340	2,600	2,970	3,050	3,311	3,162

<sup>1</sup> Including refined products.<sup>2</sup> Excluding bunkers.

*add Mexico, OPEC total*

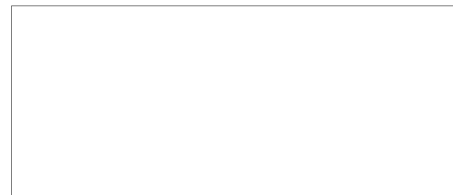
Table 91

Thousand Barrels per Day

## Major Importers of Oil

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	3,419	3,926	4,741	6,256	6,088	6,056	7,295	8,808	8,364	8,411
Canada	800	866	941	1,054	901	870	764	739	677	634
Japan	4,206	4,442	4,839	5,576	5,460	5,008	5,235	5,454	5,347	5,635
European Community										
France	2,146	2,333	2,557	2,875	2,742	2,278	2,598	2,514	2,494	2,762
Italy	2,345	2,426	2,485	2,669	2,516	2,121	2,268	2,302	2,363	2,435
United Kingdom	2,487	2,586	2,613	2,738	2,585	2,067	2,052	1,691	1,596	-1,471
West Germany	2,676	2,764	2,880	3,046	2,796	2,509	2,809	2,768	2,848	2,972
Other Countries										
Brazil	380	456	515	751	728	731	837	837	945	N.A.
India	264	304	313	343	340	320	316	356	376	N.A.
Philippines	188	186	188	191	188	197	213	216	217	N.A.
Thailand	105	129	151	172	142	167	174	186	218	N.A.

SK, Taiwan



ILLEGIB

Table 92

Thousand Barrels per Day

Imports of Crude Oil and Refined Products  
by the OECD Countries, 1979

	OECD	US <sup>1</sup>	Japan	Canada	Western Europe								Australia	New Zealand
					Total	West Germany	France	UK	Italy	Netherlands	Spain	Other		
Algeria	1,108	634	6	10	458	196	102	15	59	18	30	38	0	0
Bahrain	34	1	33	0	Negl.	0	0	Negl.	0	0	0	0	0	0
Egypt	129	55	0	7	67	8	0	59	0	0	0	0	0	0
Iraq	2,064	108	265	10	1,665	45	489	119	448	40	117	407	16	0
Kuwait	1,586	30	604	16	870	63	97	216	233	183	31	47	57	9
Libya	1,869	802	7	0	1,055	358	83	12	306	24	110	162	5	0
Qatar	386	37	140	0	209	10	76	6	23	25	28	41	0	0
Saudi Arabia	7,245	1,441	1,871	183	3,639	359	893	301	677	378	344	687	90	21
Syria	69	9	Negl.	0	60	17	43	0	0	0	0	0	0	0
UAE	1,592	329	510	0	730	151	173	59	56	86	99	106	23	0
OAPEC	16,082	3,446	3,436	226	8,753	1,207	1,956	787	1,802	754	759	1,488	191	30
Ecuador	51	49	0	2	0	0	0	0	0	0	0	0	0	0
Gabon	116	48	0	0	68	18	29	0	2	10	8	1	0	0
Indonesia	1,222	423	764	0	13	9	2	0	1	1	0	0	20	2
Iran	1,941	440	520	40	932	233	140	66	47	112	89	245	4	5
Nigeria	2,072	1,134	2	0	936	294	193	10	60	263	4	112	0	0
Venezuela	1,482	942	8	209	322	32	84	31	50	15	44	66	1	0
OPEC <sup>2</sup>	22,734	6,417	4,697	470	10,897	1,768	2,361	835	1,962	1,155	904	1,912	216	37
Canada	545	532	0	0	13	4	0	1	1	6	1	0	0	0
Mexico	437	437	0	0	0	0	0	0	0	0	0	0	0	0
Other <sup>3</sup>	3,320	960	905	147	2,143 <sup>4</sup>	1,175	358	576	472	591	137	1,888	42	40
Total <sup>5</sup>	27,268	8,411	5,635	624	13,180 <sup>4</sup>	2,972	2,762	1,471	2,435	1,752	1,042	3,800	258	77
Consumption	40,902	18,434 <sup>4</sup>	5,499	1,827	14,422	2,901	2,422	1,900	1,909	839	1,031	3,420	636	84

<sup>1</sup> Products traced to source of crude.<sup>2</sup> OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.<sup>3</sup> Including unknown.<sup>4</sup> Excluding Intra-West European trade.<sup>5</sup> Including bunkers, refinery fuel, and losses.<sup>6</sup> Including refinery gain.

Table 93

Million Barrels per Day

Petroleum Products Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	7.25	8.54	11.27	12.88	12.11	13.50	14.50	15.74	15.77	15.68
Canada	0.72	0.90	1.23	1.63	1.73	1.64	1.73	1.83	1.80	1.91
Japan	0.51	1.36	3.31	4.86	4.13	4.15	4.61	4.71	4.68	4.76
Spain	0.12	0.27	0.62	0.85	0.84	0.86	1.01	0.96	0.98	0.99
Sweden	0.06	0.08	0.24	0.21	0.20	0.21	0.29	0.29	0.31	0.32
European Community	<b>3.05</b>	<b>5.87</b>	<b>10.2</b>	<b>11.7</b>	<b>11.2</b>	<b>9.68</b>	<b>10.6</b>	<b>10.6</b>	<b>10.7</b>	<b>11.3</b>
Belgium	0.13	0.30	0.56	0.71	0.58	0.56	0.53	0.71	0.65	0.68
France	0.59	1.14	1.94	2.52	2.40	2.12	2.42	2.36	2.34	2.52
Italy	0.54	1.22	2.14	2.28	2.25	1.87	2.02	2.02	2.13	2.16
Netherlands	0.35	0.54	1.07	1.30	1.14	1.02	1.21	1.13	1.09	1.14
United Kingdom	0.82	1.21	1.93	2.11	2.19	1.85	1.93	1.84	1.90	1.93
West Germany	0.52	1.21	2.09	2.26	2.10	1.81	2.01	2.11	2.10	2.36
Communist Countries <sup>2</sup>										
USSR and Eastern Europe	<b>2.66</b>	<b>4.12</b>	<b>6.02</b>	<b>7.69</b>	<b>8.18</b>	<b>8.80</b>	<b>9.07</b>	<b>9.55</b>	<b>10.1</b>	<b>10.4</b>
USSR	2.30	3.50	5.00	6.25	6.70	7.20	7.30	7.70	8.10	8.40
Eastern Europe	<b>0.36</b>	<b>0.62</b>	<b>1.02</b>	<b>1.44</b>	<b>1.48</b>	<b>1.60</b>	<b>1.77</b>	<b>1.85</b>	<b>1.97</b>	<b>2.03</b>
Bulgaria	Negl.	0.04	0.11	0.18	0.20	0.19	0.20	0.22	0.23	0.25
Czechoslovakia	0.04	0.11	0.18	0.26	0.27	0.29	0.32	0.34	0.35	0.35
East Germany	0.04	0.10	0.19	0.30	0.30	0.31	0.33	0.35	0.36	0.37
Hungary	0.05	0.07	0.11	0.15	0.16	0.19	0.20	0.20	0.23	0.23
Poland	0.02	0.07	0.14	0.21	0.20	0.26	0.29	0.31	0.32	0.32
Romania	0.21	0.23	0.29	0.34	0.35	0.36	0.43	0.43	0.48	0.51
Other										
Cuba	N.A.	0.07	0.09	0.10	0.11	0.11	0.11	0.12	0.12	0.12
Yugoslavia	0.03	0.06	0.13	0.18	0.20	0.20	0.22	0.25	0.27	0.30

<sup>1</sup> Unless otherwise indicated, data are for the following products, where they are produced: gasoline, kerosene, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

<sup>2</sup> Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.



Table 94

Billion Cubic Feet

Natural Gas Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>	<b>13,700</b>	<b>18,200</b>	<b>27,100</b>	<b>31,100</b>	<b>30,700</b>	<b>29,500</b>	<b>29,700</b>	<b>30,100</b>	<b>29,600</b>	<b>30,500</b>
United States <sup>3</sup>	12,770	16,040	21,920	22,650	21,600	20,110	19,950	20,025	19,975	20,375
Australia <sup>4</sup>	Negl.	Negl.	53	145	160	175	200	230	255	285
Canada	525	1,440	2,275	3,120	3,045	3,090	3,095	3,230	3,130	3,345
European Community	<b>356</b>	<b>613</b>	<b>2,680</b>	<b>5,010</b>	<b>5,700</b>	<b>5,950</b>	<b>6,250</b>	<b>6,350</b>	<b>6,030</b>	<b>6,240</b>
France	100	178	243	260	270	260	250	270	280	275
Italy	228	276	465	540	540	515	555	455	465	455
Netherlands	12	57	1,117	2,640	3,120	3,385	3,615	3,610	3,310	3,490
United Kingdom	Negl.	4	398	1,020	1,230	1,275	1,315	1,435	1,350	1,365
West Germany	16	98	465	550	540	515	515	580	625	630
<b>Other Countries</b>										
Argentina	49	149	212	240	255	280	290	305	295	285
Iran	34	43	71	695	785	770	760	740	685	355
Kuwait	33	63	180	185	185	185	195	210	220	245
Mexico <sup>5</sup>	222	250	481	540	560	585	580	600	745	920
Venezuela	163	250	349	460	475	450	480	525	510	515
<b>Communist Countries <sup>6</sup></b>										
<b>USSR and Eastern Europe</b>	<b>2,040</b>	<b>5,230</b>	<b>8,240</b>	<b>10,000</b>	<b>10,900</b>	<b>12,000</b>	<b>13,300</b>	<b>14,200</b>	<b>15,200</b>	<b>16,300</b>
USSR <sup>3</sup>	1,600	4,508	6,990	8,346	9,201	10,215	11,334	12,219	13,141	14,380
Eastern Europe	<b>435</b>	<b>719</b>	<b>1,250</b>	<b>1,660</b>	<b>1,710</b>	<b>1,800</b>	<b>2,000</b>	<b>1,990</b>	<b>2,060</b>	<b>1,930</b>
Bulgaria	0	3	17	8	6	4	1	Negl.	1	5
Czechoslovakia	51	34	43	37	34	33	35	35	41	35
East Germany	1	5	44	248	273	257	305	300	300	300
Hungary	12	39	123	170	180	183	215	233	259	230
Poland	19	46	176	205	195	204	229	245	269	247
Romania	352	592	847	989	1,019	1,115	1,216	1,181	1,190	1,116
Far East										
China	N.A.	39	136	226	260	325	360	441	485	512
Other										
Yugoslavia	2	12	35	47	51	55	61	67	68	66

<sup>1</sup> Data include only gas from natural gas wells and associated gas from petroleum fields.

<sup>2</sup> Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They exclude gas used for repressuring, as well as gas flared, vented, or wasted, whether or not it has been processed for the extraction of natural gasoline.

<sup>3</sup> Data for the United States are in terms of net marketed production. Data for the USSR refer to gross production less losses and waste. US gross production (less losses and waste), which includes gas returned to

reservoirs in order to maintain horizon pressure, would be as follows (in billion cubic feet):

1960 1965 1970 1973 1974 1975 1976 1977 1978 1979  
14,510 17,660 23,790 24,070 22,850 21,100 20,940 21,100 21,310 21,400

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

<sup>4</sup> Twelve months ending 30 June of the stated year.

<sup>5</sup> Including gas used for repressuring and gas wasted.

<sup>6</sup> Gross production.

Table 95

Million Metric Tons

Hard Coal Production<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>923</b>	<b>992</b>	<b>983</b>	<b>914</b>	<b>898</b>	<b>953</b>	<b>974</b>	<b>986</b>	<b>952</b>	<b>1,050</b>
United States	391.53	475.28	550.39	530.13	539.34	576.19	598.12	604.66	575.13	668.56
Australia	21.90	30.06	45.21 <sup>2</sup>	55.48 <sup>2</sup>	57.97 <sup>2</sup>	60.70 <sup>2</sup>	68.82 <sup>2</sup>	76.97 <sup>2</sup>	79.90 <sup>2</sup>	83.14 <sup>2</sup>
Canada	8.02	8.64	11.60	16.82	17.78	21.71	20.80	23.04	25.57	27.53
Japan <sup>3</sup>	51.07	49.53	39.69	22.41	20.33	19.00	18.40	18.25	18.99	17.64
Spain	13.78	12.94	10.75	10.00	10.45	10.82	10.70	12.07	12.05	11.69
European Community	<b>432</b>	<b>409</b>	<b>317</b>	<b>272</b>	<b>244</b>	<b>257</b>	<b>251</b>	<b>244</b>	<b>234</b>	<b>235</b>
Belgium	22.47	19.79	11.36	8.84	8.11	7.89	7.66	7.07	6.48	6.16
France	55.96	51.35	37.36	26.35	24.01	23.64	23.30	22.99	19.64	18.61
United Kingdom <sup>4</sup>	196.71	190.50	147.11	132.02	110.45	128.68	123.79	122.15	123.54	122.81
West Germany <sup>5</sup>	143.26	135.46	116.34	102.99	100.89	96.76	95.90	91.31	83.94	86.92
<b>Other Countries</b>										
India	52.59	67.16	73.69	77.87	84.08	95.89	100.87	100.12	101.54	103.45
South Africa	38.17	48.46	54.61	62.35	66.06	69.44	76.45	85.57	90.36	97.00
South Korea	5.35	10.25	12.39	13.57	15.29	17.58	16.43	17.23	18.06	18.20
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>496</b>	<b>556</b>	<b>613</b>	<b>657</b>	<b>675</b>	<b>696</b>	<b>712</b>	<b>728</b>	<b>733</b>	<b>738</b>
USSR	355.92	397.64	432.72	461.22	473.37	485.00	494.00	503.00	501.00	497.00
<b>Eastern Europe</b>	<b>140</b>	<b>158</b>	<b>180</b>	<b>196</b>	<b>201</b>	<b>211</b>	<b>218</b>	<b>225</b>	<b>232</b>	<b>241</b>
Bulgaria	0.57	0.55	0.40	0.35	0.31	0.33	0.30	0.29	0.27	0.27
Czechoslovakia	26.40	27.76	28.20	27.78	27.97	28.12	28.27	27.96	28.30	28.46
East Germany	2.72	2.21	1.05	0.75	0.59	0.54	0.46	0.35	0.09	0.05
Hungary	2.85	4.36	4.15	3.41	3.21	3.02	2.93	2.93	2.95	3.00
Poland	104.44	118.83	140.10	156.63	162.00	171.62	179.30	186.11	192.62	201.00
Romania	3.40	4.66	6.40	7.17	7.11	7.32	7.11	7.15	7.42	8.19
<b>Far East</b>										
China <sup>6</sup>	280.00	232.20	327.40	398.10	409.00	478.00	483.00	550.00	618.00	635.00
North Korea	6.80	12.30	21.80	26.40	25.80	30.40	31.20	32.00	33.60	34.60
<b>Other</b>										
Yugoslavia	1.28	1.17	0.64	0.58	0.60	0.60	0.59	0.51	0.47	0.43

<sup>1</sup> Unless otherwise indicated, data are for net production of anthracite and bituminous coal.<sup>2</sup> Twelve months ending 30 June of the stated year.<sup>3</sup> Including brown coal.<sup>4</sup> Excluding data for Northern Ireland.<sup>5</sup> Including low-quality coal at its hard-coal equivalent.<sup>6</sup> Raw production. Including a negligible amount of brown coal.

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Table 96

Million Metric Tons

## Brown Coal and Lignite Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>111</b>	<b>155</b>	<b>166</b>	<b>190</b>	<b>202</b>	<b>210</b>	<b>236</b>	<b>231</b>	<b>240</b>	<b>264</b>
United States	2.49	4.56	7.21	12.88	14.06	17.69	23.22	27.83	32.83	35.19
Australia	15.21	20.99	24.18 <sup>1</sup>	24.68 <sup>1</sup>	27.30 <sup>1</sup>	28.18 <sup>1</sup>	30.94 <sup>1</sup>	29.27 <sup>1</sup>	32.87 <sup>1</sup>	32.51 <sup>1</sup>
Austria	5.97	5.45	3.67	3.63	3.63	3.40	3.22	3.13	3.07	2.74
Canada	1.97	1.87	3.46	3.65	3.48	3.55	4.68	5.48	5.05	4.93
Greece	2.49	5.09	8.08	13.57	14.40	18.41	22.57	23.57	22.37	29.44
Spain	1.76	2.77	2.83	3.00	2.88	3.38	4.15	5.81	7.66	10.62
Turkey	1.91	3.09	4.44	5.73	6.34	7.11	8.25	8.80	8.78	14.10
European Community	<b>102</b>	<b>108</b>	<b>112</b>	<b>123</b>	<b>130</b>	<b>128</b>	<b>139</b>	<b>127</b>	<b>127</b>	<b>134</b>
France	2.28	2.69	2.78	2.76	2.79	3.19	3.19	3.08	2.75	2.45
West Germany	96.22	101.91	107.77	118.66	126.04	123.38	134.54	122.92	123.56	130.58
<b>Other Countries</b>										
India	0.05	2.30	3.54	3.32	3.04	2.79	3.90	3.59	3.64	3.26
<b>Communist Countries</b>										
USSR and Eastern Europe <sup>2</sup>	<b>469</b>	<b>550</b>	<b>587</b>	<b>588</b>	<b>589</b>	<b>602</b>	<b>602</b>	<b>615</b>	<b>622</b>	<b>623</b>
USSR	134.21	147.44	144.74	153.47	157.18	160.00	160.00	160.00	163.00	161.00
Eastern Europe	<b>335</b>	<b>403</b>	<b>442</b>	<b>434</b>	<b>432</b>	<b>442</b>	<b>442</b>	<b>455</b>	<b>459</b>	<b>462</b>
Bulgaria	15.42	24.49	28.85	26.46	24.00	27.52	25.18	24.89	25.53	27.73
Czechoslovakia	57.89	72.33	81.30	81.25	82.16	86.27	89.47	93.24	94.88	96.20
East Germany	225.47	250.84	261.48	246.25	243.47	246.71	246.90	253.70	253.26	252.80
Hungary	23.68	27.08	23.68	23.37	22.55	21.87	22.32	22.53	22.72	22.66
Poland	9.33	22.63	32.77	39.22	39.83	39.87	39.30	40.76	41.00	38.08
Romania	3.36	5.63	14.13	17.68	19.79	19.77	18.73	19.63	21.84	24.57
<b>Far East<sup>3</sup></b>										
North Korea <sup>4</sup>	3.80	5.50	5.70	6.60	N.A.	7.60	7.80	8.00	8.40	8.60
<b>Other</b>										
Yugoslavia	21.43	28.79	27.78	31.87	32.98	34.94	36.26	38.57	39.22	41.33

<sup>1</sup> Twelve months ending 30 June of the year stated.<sup>2</sup> Net output.<sup>3</sup> Negligible production for China.<sup>4</sup> Including unknown amounts of hard coal.

Table 97

Billion Kilowatt-Hours

Electricity Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>	<b>1,710</b>	<b>2,430</b>	<b>3,520</b>	<b>4,300</b>	<b>4,340</b>	<b>4,400</b>	<b>4,600</b>	<b>4,890</b>	<b>4,970</b>	<b>5,140</b>
United States	893.72	1,229.64	1,742.73	2,081.23	2,086.28	2,131.00	2,169.73	2,361.71	2,389.90	2,432.46
Of which: Hydro	149.12	196.98	250.70	275.33	303.95	303.15	283.71	223.97	283.83	281.55
Australia	23.20	36.91	53.89	64.80	69.74	73.93	76.60	82.52	88.52	93.70
Canada	115.10	146.32	208.34	268.64	285.48	278.74	300.16	323.81	342.74	359.65
Japan	111.49	188.38	359.54	470.29	459.04	475.79	511.78	532.61	500.87	512.07
Norway	31.14	48.95	57.61	73.06	76.70	77.48	82.33	79.72	81.11	88.99
Spain	18.61	31.72	56.49	76.27	80.86	82.38	90.82	93.80	99.26	105.41
Sweden	34.72	49.11	60.64	78.08	75.13	80.57	86.42	90.02	92.90	97.13
European Community	<b>423</b>	<b>618</b>	<b>856</b>	<b>1,020</b>	<b>1,030</b>	<b>1,030</b>	<b>1,110</b>	<b>1,130</b>	<b>1,180</b>	<b>1,250</b>
Belgium	15.15	21.71	30.52	41.07	42.76	41.07	47.35	47.10	50.84	52.26
France	75.01	105.58	146.97	182.36	188.18	185.31	203.09	210.84	222.55	241.13
Italy	56.24	82.97	117.42	145.52	148.90	147.33	163.55	166.55	174.77	180.53
Netherlands	16.52	25.01	40.86	52.63	55.35	54.26	58.14	58.28	61.70	64.45
United Kingdom	136.97	196.50	249.11	281.87	273.13	271.99	276.88	283.27	287.74	299.96
West Germany	116.42	172.34	242.61	299.00	311.71	301.80	333.65	335.32	353.41	374.22
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>406</b>	<b>677</b>	<b>987</b>	<b>1,220</b>	<b>1,290</b>	<b>1,380</b>	<b>1,480</b>	<b>1,530</b>	<b>1,600</b>	<b>1,640</b>
USSR	292.27	506.67	740.93	914.61	975.75	1,038.61	1,111.42	1,150.07	1,201.90	1,239.00
Of which: Hydro	50.91	81.43	124.38	122.34	132.03	125.99	135.74	147.01	169.70	172.00
Eastern Europe	<b>114</b>	<b>170</b>	<b>246</b>	<b>301</b>	<b>319</b>	<b>340</b>	<b>364</b>	<b>381</b>	<b>402</b>	<b>405</b>
Bulgaria	4.66	10.25	19.52	21.96	22.81	25.24	27.75	29.71	31.49	32.98
Czechoslovakia	24.46	34.19	45.16	53.47	56.03	59.28	62.75	66.50	69.10	68.04
East Germany	40.30	53.61	67.65	76.91	80.29	84.51	89.15	92.00	95.96	96.80
Hungary	7.62	11.18	14.54	17.64	18.98	20.46	22.05	23.40	25.54	24.52
Poland	29.26	43.77	64.53	84.27	91.60	97.17	104.10	109.36	115.56	117.46
Romania	7.65	17.22	35.09	46.78	49.06	53.72	58.27	59.86	64.26	64.91
Far East										
China	N.A.	63.00	107.00	150.00	164.00	187.00	203.46	223.40	256.55	281.95
North Korea	9.14	13.40	16.50	19.60	22.10	22.00	21.80	20.00	22.00	25.00
Other										
Albania	0.19	0.34	0.96	1.55	1.65	1.66	N.A.	1.86	2.08	2.80
Cuba	2.90	3.56	4.89	5.70	6.02	6.58	7.20	7.69	8.46	9.48
Yugoslavia	8.93	15.52	26.02	35.06	39.46	40.04	43.57	48.58	51.25	54.30

<sup>1</sup> Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote 2).

<sup>2</sup> Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent 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 gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

*add Vietnam*

Table 98

Million Kilowatts

Installed Electricity Generating Capacity <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	186.53	254.52	360.33	459.25	495.36	527.35	550.37	576.04	579.16	598.30
Canada	23.03	29.35	42.83	54.38	57.53	61.35	65.99	70.58	74.67	N.A.
Japan <sup>2</sup>	23.64	41.00	68.26	95.50	104.21	112.28	116.87	122.35	131.22	N.A.
Norway	6.61	9.92	12.91	15.44	16.39	16.93	17.16	17.56	N.A.	N.A.
Spain	6.57	10.17	17.91	23.20	24.32	25.76	26.59	27.55	28.28	N.A.
Sweden	8.96	12.04	15.31	19.46	20.77	23.14	24.44	24.73	25.32	N.A.
<b>European Community</b>										
France	21.17 <sup>3</sup>	26.97 <sup>3</sup>	36.22	43.09	44.62	46.29	48.41	52.45	54.34	N.A.
Italy	16.31 <sup>3</sup>	23.82 <sup>3</sup>	30.41	36.51	38.34	39.10	40.66	42.58	43.49	N.A.
Netherlands	5.18	7.29	10.11	12.46	12.99	15.45	15.54	17.18	17.04	N.A.
United Kingdom	36.60 <sup>3</sup>	49.29 <sup>3</sup>	62.06	72.65	74.11	73.92	72.81	72.67	72.79	N.A.
West Germany	28.38 <sup>3</sup>	40.60 <sup>3</sup>	47.54	58.50	66.17	70.11	77.05	83.58	84.33	N.A.
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>										
USSR	66.72	115.03	166.15	195.56	205.44	217.48	228.31	237.81	245.44	256.00
<b>Eastern Europe</b>										
Bulgaria	0.92	2.16	4.12	5.11	6.17	7.06	7.21	7.08	7.98	8.10
Czechoslovakia	5.66	8.21	10.81	12.12	12.81	13.64	14.55	15.15	16.09	17.20
East Germany	7.90	10.35	12.67	15.04	15.91	17.03	17.57	18.07	18.57	19.10
Hungary	1.48	2.00	2.75	3.23	3.74	4.29	4.67	5.20	5.54	5.80
Poland	6.32	9.67	13.89	17.73	19.13	20.06	20.48	21.75	23.83	25.20
Romania	1.78	3.26	7.35	10.12	10.58	11.58	12.32	13.63	14.15	15.00
<b>Far East</b>										
North Korea	1.88	2.12	3.38	4.00	4.50	4.60	4.80	5.20	5.30	5.40
<b>Other</b>										
Cuba <sup>4</sup>	0.94	0.96	1.30	1.30	1.32	1.40	1.40	1.45	1.90	2.17
Yugoslavia	2.40	3.73	6.97	8.65	8.88	9.43	9.95	11.10	12.08	12.70

<sup>1</sup> All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

<sup>2</sup> Data are for the year beginning 1 April of the stated year.

<sup>3</sup> Gross capacity.

<sup>4</sup> Including 410,000-kW capacity in industrial plants not linked to the national grid system.

Table 99

Thousand Megawatts

Installed Nuclear Electric Generating Capacity <sup>1</sup>

	1960	1970	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>0.9</b>	<b>14.3</b>	<b>49.2</b>	<b>62.7</b>	<b>72.0</b>	<b>84.3</b>	<b>93.3</b>	<b>107</b>
United States	0.4	6.0	29.4	37.4	40.8	47.6	50.1	51.3
Canada	0	0.2	2.5	2.5	2.5	4.0	4.8	5.5
Japan	0	0.8	3.7	5.0	7.1	7.6	11.0	14.5
Finland	0	0	0	0	0	0.4	0.4	1.1
Spain	0	0.2	1.1	1.1	1.1	1.1	1.1	1.1
Sweden	0	Negl.	1.0	2.4	3.2	3.7	3.7	3.7
Switzerland	0	0.4	1.0	1.0	1.0	1.0	1.0	1.9
European Community	<b>0.5</b>	<b>6.7</b>	<b>10.5</b>	<b>13.3</b>	<b>16.3</b>	<b>18.9</b>	<b>21.2</b>	<b>27.5</b>
Belgium	0	Negl.	Negl.	1.7	1.7	1.7	1.7	1.7
France	0.1	1.7	2.9	2.9	2.9	2.9	4.7	8.3
Italy	0	0.6	0.6	0.6	0.6	0.6	1.4	1.4
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5
United Kingdom	0.4	3.4	4.3	4.3	5.7	7.0	7.0	7.0
West Germany	Negl.	0.9	2.2	3.3	4.9	6.2	5.9	8.6
<b>Other Countries</b>								
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.3
India	0	0.4	0.6	0.6	0.6	0.6	0.6	0.6
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1
South Korea	0	0	0	0	0	0	0.6	0.6
Taiwan	0	0	0	0	0	0	0.6	1.2
<b>Communist Countries</b>								
USSR and Eastern Europe	Negl.	<b>1.0</b>	<b>4.8</b>	<b>6.8</b>	<b>8.3</b>	<b>9.3</b>	<b>11.2</b>	<b>13.3</b>
USSR	Negl.	0.9	3.8	4.8	6.3	7.3	8.3	10.2
Eastern Europe	<b>0</b>	<b>0.1</b>	<b>1.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.9</b>	<b>3.1</b>
Bulgaria	0	0	0.4	0.9	0.9	0.9	0.9	0.9
Czechoslovakia	0	0	0.1	0.1	0.1	0.1	0.6	0.4
East Germany	0	0.1	0.5	1.0	1.0	1.0	1.4	1.8

<sup>1</sup> Data are as of the end of the year and presented on a net basis except for Communist countries which are gross capacities.

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Table 100

Iron Ore Production<sup>1</sup>

Million Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD<sup>2</sup></b>										
United States <sup>3</sup>										
Australia	90.21	88.84	91.20	89.08	85.71	80.13	79.99	55.75	82.78	86.50
Canada <sup>3</sup>	4.40	6.80	51.20 <sup>4</sup>	84.83 <sup>4</sup>	96.95 <sup>4</sup>	97.65 <sup>4</sup>	93.26 <sup>4</sup>	95.92 <sup>4</sup>	83.49 <sup>4</sup>	86.40 <sup>4</sup>
Sweden	19.55	36.25	47.46	50.20	50.00	46.90	58.56	53.62	39.62	60.96
European Community	21.69	29.48	31.51	34.73	36.20	30.90	17.12	12.84	22.00	N.A.
France	<b>112</b>	<b>93.3</b>	<b>80.9</b>	<b>70.8</b>	<b>65.7</b>	<b>60.4</b>	<b>54.7</b>	<b>44.9</b>	<b>40.5</b>	<b>38.7</b>
Luxembourg	66.91	59.52	56.80	54.23	54.27	49.65	45.18	36.64	33.45	32.50
United Kingdom	6.98	6.32	5.72	3.78	2.69	2.32	2.08	1.55	0.83	0.50
West Germany <sup>4</sup>	17.36	15.66	12.02	7.10	3.60	4.49	4.58	3.74	4.24	3.95
Other Countries <sup>5</sup>	18.90	10.80	5.53	5.07	4.44	3.29	2.26	2.47	1.60	1.40
Brazil			40.20	50.50	75.50	89.90	94.09	82.00	85.54	87.40
India	9.35	20.75	31.37	35.60	33.50	41.41	43.86	42.59	38.15	45.70
Liberia	10.70	23.80	23.70	23.54	23.79	24.00	18.81	18.14	18.80	N.A.
Venezuela	3.10	16.00	22.10	23.11	26.42	24.77	18.69	13.68	13.60	13.70
<b>Communist Countries</b>	<b>115</b>	<b>165</b>	<b>206</b>	<b>226</b>	<b>235</b>	<b>242</b>	<b>248</b>	<b>248</b>	<b>253</b>	<b>249</b>
USSR and Eastern Europe	105.86	153.43	195.49	216.10	224.83	232.80	239.11	239.72	244.23	241.00
USSR	9.34	12.0	10.8	10.3	10.0	9.59	8.93	8.54	8.74	7.86
Eastern Europe	0.42	1.80	2.41	2.77	2.68	2.34	2.32	2.27	2.45	2.00
Bulgaria	3.12	2.45	1.61	1.67	1.69	1.77	1.90	1.99	2.02	2.00
Czechoslovakia	1.64	1.63	0.42	0.52	0.53	0.59	0.60	0.63	0.70	0.60
East Germany	0.52	0.76	0.63	0.68	0.54	0.64	0.60	0.52	0.53	0.53
Hungary	2.18	2.86	2.55	1.44	1.30	1.19	0.67	0.66	0.53	0.25
Poland	1.46	2.48	3.21	3.23	3.26	3.06	2.84	2.47	2.51	2.48
Romania	100.00	38.30	72.30	107.20	99.90	109.00	105.00	89.00	124.00	134.00
Far East	2.50	4.96	6.50	N.A.	N.A.	N.A.	N.A.	6.00	7.00	7.00
China										
North Korea										
Other										
Albania	0.25	0.40	0.40	0.43	0.45	0.47	0.55	0.60	0.65	0.70
Yugoslavia	2.20	2.50	3.69	4.67	5.03	5.24	4.26	4.45	4.56	4.62

<sup>1</sup> Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganese ores but excluding pyrites.

<sup>2</sup> The metal content of the ore in the OECD countries follows: United Kingdom and West Germany, 28-31 percent; Luxembourg, 25 percent; France, 32 percent; United States and Canada, 61-62 percent; and Australia and Sweden, 60-65 percent.

<sup>3</sup> Excluding manganese iron ore containing 5 percent or more of manganese.

<sup>4</sup> Twelve months ending 30 June of the stated year.

<sup>5</sup> Shipments.

<sup>6</sup> Including data for West Berlin.

<sup>7</sup> The metal content of the ore in the other countries ranges from 60 percent to 68 percent.

Table 101

Thousand Metric Tons

Manganese Ore Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	73	27	4	Negl.	0	0	0	0	0	0
Australia	62	102	751	1,520	1,520	1,560	2,150	1,390	1,540	1,638
Italy	49	48	50	25	14	0	4	9	9	9
Japan	324	303	270	189	167	158	142	126	107	91
<b>Other Countries</b>										
Brazil	999	1,400	1,880	1,620	1,790	2,160	1,696	1,516	1,650	1,700
Gabon	0	1,280	1,450	1,920	2,060	2,240	2,152	1,773	1,568	1,800
Ghana <sup>3</sup>	545	604	405	318	250	409	312	291	316	300
India	1,200	1,650	1,650	1,490	1,500	1,580	1,835	1,265	1,567	1,630
South Africa	1,190	1,570	2,680	4,180	4,745	5,770	5,452	5,050	5,250	5,182
Zaire	382	378	347	334	288	309	200	45	N.A.	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	6,350	8,040	7,230	8,530	8,380	8,340	N.A.	N.A.	9,240	10,200
USSR	5,872	7,576	6,841	8,245	8,155	8,459	8,636	8,595	9,057	10,000
Eastern Europe	477	461	390	282	220	278	N.A.	N.A.	182	177
Bulgaria	25	42	33	38	34	35	40	40	40	40
Hungary	123	213	169	136	114	131	116	120	114	95
Romania	175	126	102	108	72	112	N.A.	N.A.	28	42
<b>Other</b>										
Yugoslavia	13	8	15	10	13	17	19	25	27	25

<sup>1</sup> The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 30-53 percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

<sup>2</sup> Shipments.

<sup>3</sup> Dry weight.

Table 102

Metric Tons

Tungsten Ore Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	3,160	3,430	4,220	3,200	3,550	2,490	2,660	2,730	3,130	2,990
Australia	1,900	950	1,260	1,320	1,420	1,880	2,510	2,940	2,680	3,040
Austria	110	90	80	0	0	360	540	1,120	1,180	1,180
Canada <sup>2</sup>	0	1,340	1,340	1,670	1,280	1,170	1,720	1,810	2,290	2,600
France	340	0	80	700	710	620	630	650	610	590
Japan	470	340	850	870	810	770	810	770	750	770
Portugal	1,390	780	1,080	1,510	1,470	1,420	1,260	1,005	1,090	1,270
Spain	440	20	410	310	350	350	328	270	350	320
Turkey	0	0	0	0	0	0	10	10	15	130
Other Countries										
Bolivia	1,020	870	1,840	1,930	2,030	2,570	3,040	2,980	3,171	3,114
Brazil	810	180	1,160	1,050	990	1,130	980	1,190	1,180	1,360
Burma	470	160	220	510	340	490	470	450	670	680
Mexico	90	90	290	350	310	280	230	190	230	195
Peru	230	380	800	860	700	580	590	530	580	500
Rwanda	230	130	180	300	280	350	430	450	390	390
South Korea	2,730	2,130	2,070	2,040	2,290	2,400	2,590	2,630	2,590	2,590
Thailand	210	260	710	2,400	2,040	1,640	1,890	2,030	3,190	2,100
Communist Countries										
USSR	5,400	6,660	6,900	7,600	7,850	8,100	8,300	8,500	8,800	9,000
Far East										
China	13,990	8,140	5,470	8,900	8,140	6,710	5,660	6,605	7,075	N.A.

<sup>1</sup> Data are for the estimated tonnage of contained tungsten.<sup>2</sup> Shipments.

14.8

Table 103

Thousand Metric Tons

Chromite Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Finland	0	0	121	148	165	331	414	602	507	510
Greece	31	51	26	18	10	35	34	40	40	36
Japan	68	42	33	24	26	24	22	18	9	9
Turkey	481	567	519	436	661	717	708	690	680	680
Other Countries										
India	101	60	271	288	396	500	402	351	266	270
Iran	68	129	200	140	175	172	160	165	165	135
Madagascar	0	2	131	158	156	194	221	180	138	135
Philippines	735	555	566	581	530	520	431	538	533	560
Rhodesia	606	586	363	544	590	590	610	600	600	600
South Africa	772	942	1,427	1,649	1,950	2,078	2,409	3,318	3,144	3,100
Communist Countries <sup>2</sup>										
USSR	1,200	2,500	3,000	3,300	3,400	3,500	3,500	3,400	3,300	3,200
Albania	289	312	466	611	715	779	833	880	1,010	1,020
Cuba	10	14	8	13	13	13	7	N.A.	N.A.	N.A.
Yugoslavia	101	80	41	10	6	2	2	2	2	2

<sup>1</sup> Data are in gross weight.<sup>2</sup> Production of chrome ore. In the Communist countries, the chromic oxide content is estimated as follows: USSR, 46 percent; Albania, 45 percent; Cuba, 35 percent; and Yugoslavia, 26 percent.

Table 104

Thousand Metric Tons

## Bauxite Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>5,370</b>	<b>7,060</b>	<b>16,900</b>	<b>25,800</b>	<b>28,400</b>	<b>29,000</b>	<b>31,500</b>	<b>33,600</b>	<b>31,100</b>	<b>33,300</b>
United States	2,030	1,680	2,120	1,910	1,980	1,800	1,989	2,013	1,669	1,750
Australia	70	1,190	9,260	17,600	20,000	21,000	24,084	26,071	24,300	26,500
Greece	884	1,270	2,290	2,750	2,780	3,010	2,551	2,882	2,630	2,700
European Community	<b>2,380</b>	<b>2,910</b>	<b>3,220</b>	<b>3,190</b>	<b>2,970</b>	<b>2,600</b>	<b>2,350</b>	<b>2,090</b>	<b>2,000</b>	<b>2,020</b>
France	2,070	2,660	2,990	3,130	2,940	2,560	2,330	2,059	1,978	2,000
<b>Other Countries</b>										
Guinea	1,378	1,870	2,490	3,050	7,600	8,400	11,316	11,300	12,000	12,500
Guyana	2,511	2,919	4,417	3,276	3,250	3,251	2,686	2,731	2,400	2,400
Jamaica	5,840	8,650	12,000	13,600	15,300	11,600	10,312	11,433	11,736	11,800
Surinam	3,460	4,360	6,020	7,110	6,710	4,930	4,613	4,924	5,200	5,000
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>4,380</b>	<b>6,790</b>	<b>8,970</b>	<b>10,400</b>	<b>10,900</b>	<b>11,200</b>	<b>11,500</b>	<b>11,800</b>	<b>12,000</b>	<b>12,300</b>
USSR <sup>1</sup>	3,100	5,300	6,700	7,500	7,800	8,000	8,200	8,500	8,800	9,000
Eastern Europe	<b>1,280</b>	<b>1,490</b>	<b>2,270</b>	<b>2,900</b>	<b>3,050</b>	<b>3,240</b>	<b>3,270</b>	<b>3,300</b>	<b>3,250</b>	<b>3,330</b>
Hungary	1,190	1,477	2,022	2,600	2,751	2,890	2,918	2,949	2,899	2,976
Romania	88	12	250	300	300	350	350	350	350	350
Far East										
China <sup>2</sup>	640	1,120	1,500	2,300	2,500	2,800	3,000	3,200	3,200	3,320
Other										
Yugoslavia	1,025	1,574	2,098	2,167	2,370	2,306	2,003	2,044	2,566	3,012

<sup>1</sup> Including nonbauxite ore such as nepheline and alunite for the production of alumina.

<sup>2</sup> Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

Table 105

Million Metric Tons

Metallurgical Coke Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>										
United States	51.92	60.65	60.35	58.36	55.87	51.90	52.92	48.13	44.17	48.00
Australia	2.68	3.10	4.98	4.94	5.11	5.24	5.31	4.67	50.00	55.00
Canada <sup>3</sup>	3.51	3.96	5.14	5.37	5.45	5.28	5.29	4.90	4.97	5.20
Japan	8.55	15.78	37.74	44.32	45.63	44.80	43.45	43.00	40.55	40.00
European Community	<b>93.2</b>	<b>91.4</b>	<b>90.5</b>	<b>81.8</b>	<b>81.7</b>	<b>78.2</b>	<b>76.0</b>	<b>65.5</b>	<b>61.5</b>	<b>N.A.</b>
Belgium	7.52	7.33	7.12	7.80	8.05	5.73	6.21	5.56	5.74	N.A.
France <sup>3</sup>	13.64	13.41	14.15	11.88	11.68	10.99	11.31	10.77	10.70	10.50
Italy	3.72	5.74	7.04	7.67	8.57	8.11	7.97	7.68	7.31	7.30
Netherlands <sup>3</sup>	4.52	4.28	2.00	2.66	2.68	2.68	2.81	2.50	2.40	N.A.
United Kingdom	19.14	17.38	20.28	17.80	15.77	15.86	15.75	11.51	9.87	N.A.
West Germany <sup>4</sup>	44.68	43.29	39.91	34.00	34.92	34.82	31.95	27.50	25.45	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>68.1</b>	<b>80.9</b>	<b>88.4</b>	<b>95.3</b>	<b>97.1</b>	<b>98.5</b>	<b>99.8</b>	<b>103</b>	<b>104</b>	<b>104</b>
USSR	51.48	61.74	68.72	73.88	74.95	75.65	76.70	78.46	78.85	79.20
Eastern Europe	<b>16.6</b>	<b>19.2</b>	<b>19.7</b>	<b>21.4</b>	<b>22.2</b>	<b>22.8</b>	<b>23.1</b>	<b>24.7</b>	<b>25.0</b>	<b>25.1</b>
Bulgaria	0.02	0.68	0.77	1.11	1.18	1.24	1.27	1.30	1.27	1.30
Czechoslovakia	6.82	7.87	8.28	9.37	9.31	9.24	9.00	8.80	8.79	8.60
East Germany	0.74	0.94	0.53	0.47	0.56	0.56	0.69	0.65	0.63	0.63
Hungary <sup>3</sup>	0.50	0.64	0.66	0.60	0.64	0.59	0.60	0.59	0.60	0.65
Poland	7.68	7.99	8.37	8.58	8.66	8.93	9.10	10.21	10.52	10.45
Romania	0.81	1.12	1.06	1.31	1.81	2.26	2.42	3.15	3.20	3.50
<b>Far East</b>										
China	N.A.	10.10	16.20	24.30	22.60	24.20	20.50	23.10	32.40	33.50
<b>Other</b>										
Yugoslavia	1.08	1.25	1.31	1.32	1.32	1.35	1.79	1.77	2.07	2.49

<sup>1</sup> Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.

<sup>2</sup> Net production, excluding coke consumed by coking plants.

<sup>3</sup> Including breeze coke.

<sup>4</sup> Including electrode coke but excluding low-temperature coke.

<sup>5</sup> A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

Table 106

Million Metric Tons

## Pig Iron Production

	1960 <sup>1</sup>	1965 <sup>1</sup>	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	62.2	82.6	82.8	91.9	86.6	72.5	78.8	73.4	79.6	78.9
Australia	2.9	4.4	6.2	7.6	7.6	7.5	7.4	6.8	7.3	7.7
Canada	4.0	6.6	8.3	9.5	9.4	9.2	9.8	9.7	10.3	11.1
Japan	12.3	28.0	68.0	90.0	90.4	86.9	86.6	85.9	78.6	83.8
Spain	1.9	2.4	4.2	6.3	6.9	6.8	6.6	6.6	6.3	6.4
European Community	<b>70.9</b>	<b>81.8</b>	<b>97.3</b>	<b>106</b>	<b>111</b>	<b>88.0</b>	<b>93.8</b>	<b>86.8</b>	<b>89.5</b>	<b>102</b>
Belgium	6.5	8.3	10.9	12.7	13.1	9.1	9.9	8.9	10.3	10.8
France	14.4	15.8	18.8	19.5	22.0	17.5	18.7	17.9	18.1	19.4
Italy	2.8	5.6	8.3	10.1	11.7	11.4	11.6	11.4	11.3	11.3
United Kingdom	16.0	17.8	17.5	16.7	14.2	12.0	13.7	12.1	11.4	13.1
West Germany <sup>2</sup>	25.8	27.0	33.2	36.5	39.8	29.8	31.8	29.0	30.1	39.0
Other Countries										
Brazil	1.8	2.4	4.2	5.5	5.8	7.1	8.4	9.7	10.3	10.9
India	4.3	7.2	7.1	7.5	7.3	8.3	9.8	9.8	9.4	8.7
South Africa	2.0	3.6	3.9	4.4	4.6	5.2	5.8	6.1	5.9	8.4
Communist Countries										
USSR and Eastern Europe	<b>60.2</b>	<b>84.1</b>	<b>110</b>	<b>124</b>	<b>129</b>	<b>133</b>	<b>136</b>	<b>141</b>	<b>146</b>	<b>145</b>
USSR	46.8	66.2	85.9	95.9	99.9	103.0	105.4	107.4	110.7	109.0
Eastern Europe	<b>13.4</b>	<b>17.9</b>	<b>23.8</b>	<b>27.9</b>	<b>28.9</b>	<b>29.9</b>	<b>31.1</b>	<b>33.8</b>	<b>35.7</b>	<b>36.1</b>
Bulgaria	0.2	0.7	1.2	1.6	1.5	1.6	1.6	1.7	1.5	1.5
Czechoslovakia	4.7	5.9	7.6	8.5	8.9	9.3	9.5	9.7	9.9	9.7
East Germany	2.0	2.3	2.0	2.2	2.3	2.5	2.5	2.6	2.6	2.5
Hungary	1.2	1.6	1.8	2.1	2.3	2.2	2.2	2.3	2.3	2.4
Poland	4.2	5.4	7.0	7.7	7.8	7.8	7.9	9.7	11.2	11.2
Romania	1.0	2.0	4.2	5.7	6.1	6.6	7.4	7.8	8.2	8.8
Far East										
China	27.5	13.8	22.0	33.7	31.4	33.8	28.8	25.0	34.8	36.7
North Korea	0.9	1.3	1.8	2.9	3.0	3.4	3.4	3.4	3.5	3.9
Other										
Yugoslavia	1.0	1.1	1.3	2.0	2.1	2.1	1.9	1.9	2.1	2.4

<sup>1</sup> Including ferroalloys.<sup>2</sup> Including data for West Berlin. Data include blast furnace ferroalloys except ferromanganese, ferrosilicon, and spiegeleisen.

Table 107

Crude Steel Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	90.1	119.3	119.3	136.8	132.2	105.8	116.1	113.7	124.3	123.3
Australia <sup>3</sup>	3.7	5.4	6.8	7.7	7.7	7.8	7.8	7.3	7.6	8.2
Canada	5.3	9.2	11.2	13.4	13.6	13.1	13.3	13.6	14.9	15.9
Japan	22.1	41.2	93.4	119.3	117.1	102.3	107.4	102.4	102.1	111.7
Spain	1.9	3.5	7.4	10.8	11.4	11.2	11.3	11.3	11.3	12.2
Sweden	3.2	4.7	5.5	5.6	6.0	5.6	5.1	4.0	4.3	4.7
European Community	<b>97.6</b>	<b>114</b>	<b>138</b>	<b>150</b>	<b>156</b>	<b>126</b>	<b>134</b>	<b>126</b>	<b>135</b>	<b>139</b>
Belgium	7.2	9.2	12.6	15.5	16.2	11.6	12.1	11.3	12.6	13.4
France	17.1	19.3	23.8	25.2	27.0	21.5	23.2	22.1	22.8	23.3
Italy	8.3	12.7	17.2	21.0	23.8	21.9	23.9	23.3	24.3	24.0
United Kingdom	24.7	27.5	28.3	26.7	22.4	20.2	22.3	20.4	22.4	21.5
West Germany <sup>4</sup>	34.1	36.8	45.0	49.5	53.3	40.5	42.4	40.0	41.3	45.0
<b>Other Countries</b>										
Brazil <sup>5</sup>	2.3	3.0	5.4	7.2	7.5	8.3	9.2	11.2	12.1	13.9
India	3.3	6.4	6.1	7.0	6.8 <sup>6</sup>	7.1 <sup>6</sup>	9.3	9.9	10.0	9.5
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>86.4</b>	<b>120</b>	<b>156</b>	<b>178</b>	<b>185</b>	<b>193</b>	<b>199</b>	<b>204</b>	<b>211</b>	<b>209</b>
USSR	65.3	91.0	115.9	131.5	136.2	141.3	144.7	146.7	151.5	149.0
Eastern Europe	<b>21.2</b>	<b>28.5</b>	<b>39.8</b>	<b>46.8</b>	<b>48.9</b>	<b>51.3</b>	<b>53.9</b>	<b>57.5</b>	<b>59.8</b>	<b>60.3</b>
Bulgaria	0.2	0.6	1.8	2.2	2.2	2.3	2.5	2.6	2.5	2.5
Czechoslovakia	6.8	8.6	11.5	13.2	13.6	14.3	14.7	15.1	15.3	14.8
East Germany	3.8	4.3	5.0	5.9	6.2	6.5	6.7	6.8	7.0	7.0
Hungary	1.9	2.5	3.1	3.3	3.5	3.7	3.6	3.7	3.9	3.9
Poland	6.7	9.1	11.8	14.1	14.6	15.0	15.6	17.8	19.3	19.2
Romania	1.8	3.4	6.5	8.2	8.8	9.6	10.7	11.5	11.8	12.9
Far East										
China	18.7	12.2	17.8	25.0	21.0	24.0	20.5	23.7	31.8	34.4
North Korea	0.6	1.2	2.2	2.3	2.4	2.6	2.7	2.7	3.4	4.0
Other										
Cuba	N.A.	Negl.	0.1	0.2	0.2	0.3	0.2	0.3	0.3	N.A.
Yugoslavia	1.4	1.8	2.2	2.7	2.8	2.9	2.8	3.2	3.5	3.5

<sup>1</sup> Data are for ingots and steel for castings.<sup>2</sup> Excluding steel for castings made in foundries operated by companies not producing ingots.<sup>3</sup> Twelve months ending 30 June of the stated year.<sup>4</sup> Including data for West Berlin.<sup>5</sup> Excluding alloy steel.<sup>6</sup> Ingots only.

Vietnam



Table 108

Million Metric Tons

## Rolled Steel Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	69.35	90.09	82.37	101.09	99.31	72.54	81.14	82.69	88.85	90.96
Canada <sup>1</sup>	4.13	6.72	8.24	7.32	7.55	7.11	7.23	7.63	8.71	N.A.
Japan	17.20	33.38	76.03	101.94	100.49	86.28	93.21	90.67	91.39	N.A.
Spain <sup>1</sup>	1.27	3.16	5.46	8.36	9.80	8.94	9.42	9.34	N.A.	N.A.
European Community	<b>76.7</b>	<b>89.6</b>	<b>111</b>	<b>123</b>	<b>124</b>	<b>98.6</b>	<b>106</b>	<b>104</b>	<b>113</b>	<b>N.A.</b>
Belgium	5.88	7.72	10.26	12.60	13.19	9.10	9.56	9.36	10.49	N.A.
France	13.70	15.72	18.73	20.22	21.90	17.56	19.46	19.33	23.61	N.A.
Italy	7.78	10.62	14.76	18.36	17.20	15.41	16.97	17.41	18.00	N.A.
United Kingdom	18.41	20.76	22.18	21.36	18.35	15.57	17.10	16.51	16.35	N.A.
West Germany	25.84	28.48	35.97	40.23	43.16	32.98	34.22	33.05	35.14	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>57.8</b>	<b>81.3</b>	<b>108</b>	<b>125</b>	<b>129</b>	<b>136</b>	<b>141</b>	<b>144</b>	<b>150</b>	<b>148</b>
USSR	43.68	61.65	80.64	91.46	94.29	98.69	101.44	102.14	105.43	103.00
Eastern Europe	<b>14.1</b>	<b>19.7</b>	<b>27.4</b>	<b>33.1</b>	<b>35.1</b>	<b>37.4</b>	<b>39.4</b>	<b>41.7</b>	<b>44.6</b>	<b>45.3</b>
Bulgaria	0.19	0.43	1.42	2.10	2.24	2.50	2.76	2.95	3.08	3.12
Czechoslovakia	4.48	6.09	7.94	9.17	9.57	10.03	10.39	10.59	10.79	10.78
East Germany	2.61	2.99	3.41	3.88	4.10	4.28	4.59	4.78	5.00	5.10
Hungary	1.19	1.70	2.04	2.28	2.39	2.68	2.86	3.08	3.19	3.24
Poland	4.42	6.13	8.14	9.87	10.56	11.08	11.50	11.95	13.56	13.58
Romania	1.25	2.35	4.50	5.83	6.25	6.81	7.30	8.39	8.96	9.50
Far East										
China	11.30	9.10	13.40	17.50	14.70	16.80	14.70	16.00	22.00	25.00
Other										
Yugoslavia	0.97	1.19	1.77	2.04	2.24	2.36	2.44	3.33	4.14	4.14

<sup>1</sup> Steel mill products.

Table 109

Refined Nickel Production<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	11.4	12.3	14.1	12.6	12.8	21.2	30.8	34.4	33.8	37.5
Australia <sup>2</sup>	0	0	1.0	20.0	20.0	34.0	39.9	34.1	37.3	36.4
Canada	114.7	160.4	189.3	162.5	200.0	178.0	176.4	168.7	107.4	85.3
Greece	0	0	8.6	13.9	15.1	14.8	16.4	9.6	15.1	18.9
Japan	17.3	26.1	89.9	90.7	104.6	78.0	94.8	93.9	79.2	101.6
Norway	30.4	31.8	38.5	42.7	43.2	37.1	32.7	38.2	23.7	30.7
European Community	47.3	49.0	48.3	47.2	45.2	48.2	46.5	33.6	30.2	19.5
France <sup>3</sup>	10.0	8.2	10.3	10.9	8.7	10.9	13.3	10.3	7.9	3.5
United Kingdom	34.3	40.5	36.7	36.8	35.7	37.3	33.1	23.2	21.4	15.0
Other Countries										
Dominican Republic	0	0	0	30.1	31.2	30.0	24.4	24.9	14.3	25.1
New Caledonia	11.4	15.6	27.9	35.8	48.5	52.8	38.2	28.3	19.9	31.1
Communist Countries <sup>4</sup>										
USSR	72.0	100.0	137.0	170.0	180.0	195.0	215.0	220.0	230.0	235.0
Cuba <sup>5</sup>	12.8	28.2	36.6	35.2	33.9	37.3	37.1	34.6	N.A.	N.A.

<sup>1</sup> Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.

<sup>2</sup> Data are not comparable with those presented in previous editions of the Handbook of Economics which included nickel content of nickel matte exported and refined elsewhere.

<sup>3</sup> Excluding data for New Caledonia.

<sup>4</sup> Czechoslovakia and East Germany each produce a small amount of refined nickel.

<sup>5</sup> Nickel content of oxides and sulfides.

Table 110

Refined Copper Production <sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	1,642	1,957	2,065	2,117	1,952	1,622	1,737	1,707	1,869	2,015
Australia	84	95	146	178	194	192	188	183	175	173
Canada	378	394	493	498	559	529	510	509	446	411
Japan	248	366	705	951	996	819	864	934	959	978
Spain	N.A.	59	83	94	123	130	140	145	147	143
European Community	<b>796</b>	<b>904</b>	<b>996</b>	<b>987</b>	<b>1,020</b>	<b>958</b>	<b>1,080</b>	<b>1,090</b>	<b>977</b>	<b>989</b>
Belgium	212	280	338	368	379	332	425	465	389	428
United Kingdom	219	228	205	171	160	152	137	122	126	120
West Germany <sup>2</sup>	309	342	406	407	424	422	447	440	403	379
Other Countries										
Chile	226	289	465	415	538	535	632	676	749	742
Peru	N.A.	40	36	39	39	72	140	187	185	218
Zaire	145	153	190	230	254	226	66	99	103	99
Zambia	403	522	581	638	677	629	694	648	628	584
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>576</b>	<b>840</b>	<b>1,220</b>	<b>1,510</b>	<b>1,610</b>	<b>1,750</b>	<b>1,800</b>	<b>1,890</b>	<b>1,980</b>	<b>2,020</b>
USSR	475	700	1,015	1,200	1,250	1,320	1,350	1,400	1,460	1,500
Eastern Europe	<b>101</b>	<b>140</b>	<b>204</b>	<b>313</b>	<b>361</b>	<b>428</b>	<b>448</b>	<b>488</b>	<b>516</b>	<b>521</b>
Bulgaria	14	24	38	47	49	50	52	52	53	55
Czechoslovakia	10	12	17	18	21	23	22	23	24	25
East Germany	40	40	40	50	50	50	50	50	50	50
Hungary	8	12	12	10	10	13	14	15	15	15
Poland	22	37	72	156	194	249	270	307	332	336
Romania	7	15	25	32	37	43	40	41	42	40
Far East	90	200	290	290	300	300	300	300	300	320
China										
Other	1	4	6	6	7	7	8	8	9	10
Albania	35	56	89	138	150	138	136	117	140	140
Yugoslavia										

<sup>1</sup> Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.

<sup>2</sup> Including data for West Berlin.

Table 111

## Primary Aluminum Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	1,830	2,500	3,600	4,110	4,450	3,520	3,857	4,117	4,358	4,560
Australia	12	87	168	208	220	214	232	248	263	272
Canada	691	753	962	930	1,020	887	633	973	1,048	855
Greece	N.A.	N.A.	91	142	149	136	134	132	145	145
Japan	133	294	733	1,100	1,120	1,010	919	1,188	1,057	1,010
Norway <sup>1</sup>	171	276	522	623	663	595	618	628	640	670
Spain	29	52	120	161	191	210	211	211	212	272
European Community	<b>692</b>	<b>735</b>	<b>952</b>	<b>1,520</b>	<b>1,840</b>	<b>1,820</b>	<b>1,880</b>	<b>1,990</b>	<b>2,010</b>	<b>2,020</b>
France	238	340	382	359	394	383	385	400	391	390
Italy	84	124	146	184	216	190	206	260	268	272
United Kingdom <sup>1</sup>	29	36	40	252	293	308	335	349	346	354
West Germany <sup>2</sup>	169	234	310	533	689	678	697	742	740	740
<b>Other Countries</b>										
Ghana	0	0	113	152	157	143	151	153	111	168
India	18	62	161	155	128	167	210	179	214	190
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>751</b>	<b>1,150</b>	<b>1,850</b>	<b>2,310</b>	<b>2,490</b>	<b>2,610</b>	<b>2,700</b>	<b>2,750</b>	<b>2,810</b>	<b>2,890</b>
USSR	620	970	1,490	1,890	2,020	2,130	2,220	2,270	2,330	2,410
Eastern Europe	<b>131</b>	<b>176</b>	<b>359</b>	<b>419</b>	<b>468</b>	<b>480</b>	<b>476</b>	<b>481</b>	<b>481</b>	<b>483</b>
Czechoslovakia	20	26	31	48	50	43	36	37	37	37
East Germany	35	45	56	60	60	60	60	60	60	60
Hungary	50	58	66	68	69	70	70	71	71	72
Poland	26	47	99	102	102	103	103	104	100	97
Romania <sup>3</sup>	0	0	107	141	187	204	207	209	213	217
<b>Far East</b>										
China	80	140	188	286	316	357	375	400	400	415
<b>Other</b>										
Yugoslavia	25	39	48	91	147	168	198	197	199	190

<sup>1</sup> Including the pure content of virgin alloys.<sup>2</sup> Including data for West Berlin.<sup>3</sup> Including aluminum alloys.

Table 112

Thousand Metric Tons

Smelter Production of Lead <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	347	379	605	612	611	577	592	549	565	576
Australia <sup>3</sup>	247	227	351	340	337	311	343	337	357	376
Canada	145	169	186	187	126	172	175	187	194	180
Japan	69	103	178	189	190	152	158	169	186	110
Spain	71	54	76	87	80	73	76	89	91	90
Sweden	45	40	41	47	45	38	49	52	58	50
European Community	<b>365</b>	<b>397</b>	<b>437</b>	<b>457</b>	<b>478</b>	<b>417</b>	<b>451</b>	<b>472</b>	<b>451</b>	<b>417</b>
Belgium <sup>4</sup>	93	111	89	114	100	106	106	104	99	100
France	74	98	120	167	159	135	159	173	170	105
Italy	42	45	54	35	46	33	46	34	29	30
United Kingdom <sup>5</sup>	16	23	44	30	29	26	17	35	30	32
West Germany <sup>6</sup>	140	104	113	86	116	92	101	105	105	130
<b>Other Countries</b>										
Mexico	186	154	150	173	200	173	190	154	156	160
Peru	74	87	72	83	81	83	71	79	74	100
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>404</b>	<b>549</b>	<b>676</b>	<b>737</b>	<b>765</b>	<b>783</b>	<b>812</b>	<b>833</b>	<b>857</b>	<b>859</b>
USSR	300	385	470	510	530	540	560	575	580	585
Eastern Europe	<b>104</b>	<b>164</b>	<b>206</b>	<b>227</b>	<b>235</b>	<b>243</b>	<b>252</b>	<b>258</b>	<b>277</b>	<b>274</b>
Bulgaria	40	93	99	105	107	110	110	112	125	125
Czechoslovakia	12	15	18	17	18	18	19	19	20	20
Poland <sup>7</sup>	40	41	54	68	72	76	81	85	87	84
Romania <sup>7</sup>	12	15	35	37	38	39	42	42	45	45
<b>Other</b>										
Yugoslavia	89	102	97	98	114	126	111	128	117	113

<sup>1</sup> Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

<sup>2</sup> Excluding refined lead produced from imported base bullion.

<sup>3</sup> Including lead bullion. Data are not comparable with those presented in the previous editions of the Handbook of Economic Statistics which excluded bullion.

<sup>4</sup> Including secondary metal, remelted lead, and alloys.

<sup>5</sup> Lead bullion from imported ores and concentrates.

<sup>6</sup> Including data for West Berlin.

<sup>7</sup> Probably including some secondary metal.

Table 113

Thousand Metric Tons

Refined Zinc Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>2,210</b>	<b>2,780</b>	<b>3,540</b>	<b>3,800</b>	<b>3,770</b>	<b>3,180</b>	<b>3,520</b>	<b>3,620</b>	<b>3,570</b>	<b>3,980</b>
United States <sup>2</sup>	788	978	866	604	575	450	515	454	441	525
Australia	122	202	264	306	284	200	253	260	260	308
Canada	237	326	418	533	426	427	472	495	495	580
Finland	0	0	56	81	92	110	111	138	133	146
Japan	180	318	676	844	851	722	776	805	793	814
Spain	47	54	88	106	130	133	158	157	167	173
European Community	<b>783</b>	<b>842</b>	<b>1,090</b>	<b>1,230</b>	<b>1,320</b>	<b>1,050</b>	<b>1,150</b>	<b>1,200</b>	<b>1,170</b>	<b>1,300</b>
Belgium	248	238	232	278	289	218	236	248	237	260
France	146	192	224	259	277	181	233	238	241	247
Italy	85	81	142	182	196	180	191	169	177	205
Netherlands	36	42	47	30	78	124	141	109	135	155
United Kingdom	76	107	147	84	84	53	42	81	74	77
West Germany	192	182	301	395	400	295	305	355	307	355
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>573</b>	<b>770</b>	<b>1,030</b>	<b>1,160</b>	<b>1,170</b>	<b>1,210</b>	<b>1,230</b>	<b>1,250</b>	<b>1,260</b>	<b>1,260</b>
USSR <sup>3</sup>	360	475	690	780	790	820	840	860	875	890
Eastern Europe	<b>213</b>	<b>295</b>	<b>340</b>	<b>378</b>	<b>379</b>	<b>393</b>	<b>391</b>	<b>386</b>	<b>380</b>	<b>373</b>
Bulgaria	17	66	76	82	83	86	86	90	90	92
East Germany	4	14	15	15	15	15	15	16	16	17
Poland	176	190	209	235	233	243	237	228	222	209
Romania	16	25	40	46	48	49	53	52	52	55
Other										
Yugoslavia	36	46	65	55	86	98	96	99	92	99

<sup>1</sup> Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

<sup>2</sup> Including production from secondary smelters.

<sup>3</sup> Primary metal only.

**Table 114** Thousand Metric Tons

**Titanium Sponge Metal Production <sup>1</sup>**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	4.8	8.2	13.9	11.5	18.5	14.4	9.2	12.5	15.9	20.0
Japan	2.3	4.8	9.2	6.5	8.9	7.6	6.3	6.4	9.2	13.5
Communist Countries										
USSR	4.0	13.5	25.0	32.0	34.0	36.0	37.0	40.0	42.0	44.0

<sup>1</sup> Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.

<sup>2</sup> Approximate output based on reports from various trade publications.

**Table 115** Metric Tons

**Cobalt Production <sup>1</sup>**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Australia	15	110	570	500	300	600	544	1,000	1,360	1,550
Canada <sup>2</sup>	1,970	2,010	2,510	1,840	1,900	1,640	1,356	1,485	1,054	1,381
Finland	N.A.	1,810	1,540	1,540	1,540	1,700	1,279	1,227	1,296	1,200
Other Countries										
Morocco	1,540	2,230	734	1,730	1,980	2,380	934	1,015	1,134	900
Zaire	9,990	10,200	17,000	18,300	21,400	17,000	11,000	10,500	13,300	15,000
Zambia	2,240	1,880	2,920	5,220	2,890	2,900	2,175	1,704	1,566	3,100
Communist Countries										
USSR	1,600	2,300	3,700	4,500	4,800	5,000	5,200	5,400	5,600	5,800
Cuba	N.A.	714	1,208	1,190	1,223	1,240	1,220	1,220	1,150	N.A.

<sup>1</sup> Cobalt content of ores mined, unless otherwise indicated.

<sup>2</sup> Including metal, salts, and oxides recovered from smelter products and residues exported.

Table 116

Metric Tons

Smelter Production of Primary Tin Metal<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	13,700	3,150	4,540	4,600	6,100	6,500	5,700	6,700	3,900	5,500
Australia	2,290	3,230	5,210	6,900	6,710	5,250	5,600	5,600	5,100	5,000
Spain	470	1,820	3,910	3,800	5,860	5,250	5,400	5,300	4,100	5,000
European Community	<b>42,500</b>	<b>40,900</b>	<b>33,400</b>	<b>25,100</b>	<b>16,900</b>	<b>17,800</b>	<b>18,200</b>	<b>20,100</b>	<b>18,300</b>	<b>16,000</b>
Belgium	8,390	4,300	4,260	3,670	3,420	4,560	4,100	3,500	3,300	3,000
United Kingdom	26,800	16,800	22,000	20,400	12,100	11,520	9,800	10,500	8,400	8,000
<b>Other Countries</b>										
Bolivia <sup>2</sup>	1,020	3,470	300	7,040	6,910	7,530	10,100	12,300	16,200	18,000
Brazil	N.A.	1,435	3,100	4,430	4,850	5,400	6,300	7,400	7,200	8,000
Indonesia	2,010	1,210	5,190	14,630	15,100	17,800	23,300	24,000	25,800	28,000
Malaysia <sup>3</sup>	77,600	73,600	91,500	82,500	84,400	83,100	78,000	66,300	72,000	72,000
Nigeria	N.A.	9,480	8,070	5,980	5,570	4,680	3,700	3,300	3,000	3,000
Thailand	220	5,610	22,000	22,900	19,800	16,600	20,300	23,100	28,900	30,000
<b>Communist Countries</b>										
USSR	10,600	14,000	21,000	23,000	24,000	25,000	26,500	28,500	30,000	32,500
East Germany	1,000	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,300	1,500
China	29,000	12,000	10,000	15,000	15,000	18,000	11,000	13,000	15,000	N.A.

<sup>1</sup> Excluding tin derived from scrap or detinning.<sup>2</sup> Exports.<sup>3</sup> Including data for Singapore.



Thousand Metric Tons

**Table 117**  
**Primary Magnesium Production**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
Canada	7	9	9	6	6	4	6	8	8	9
Japan	2	4	10	11	9	9	11	9	11	11
Norway	10	26	35	38	40	38	39	38	39	45
European Community										
France	2	3	5	7	7	8	8	9	9	9
Italy	5	6	8	9	7	6	9	9	10	8
Communist Countries										
USSR	25	50	80	92	95	98	98	100	100	103

Million Troy Ounces

**Table 118**  
**Gold Production**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	1.67	1.71	1.74	1.18	1.13	1.05	1.05	1.10	1.00	0.91
Australia	1.09	0.88	0.62	0.55	0.51	0.53	0.50	0.62	0.65	0.65
Canada	4.63	3.60	2.41	1.95	1.70	1.65	1.69	1.73	1.74	1.58
Japan	0.26	0.26	0.26	0.19	0.14	0.14	0.14	0.15	0.15	0.15
Other Countries										
Colombia	0.43	0.32	0.20	0.22	0.27	0.31	0.30	0.26	0.26	0.29
Ghana	0.89	0.76	0.71	0.72	0.61	0.52	0.53	0.48	0.40	N.A.
India	0.16	0.13	0.10	0.11	0.10	0.91	0.10	0.10	0.09	0.09
Mexico	0.30	0.22	0.20	0.13	0.13	0.14	0.16	0.21	0.20	0.18
Nicaragua	0.21	0.20	0.12	0.09	0.08	0.07	0.08	0.07	0.07	0.60
Philippines	0.41	0.44	0.60	0.57	0.54	0.50	0.50	0.56	0.61	0.65
Rhodesia	0.56	0.54	0.50	0.50	0.60	0.60	0.60	0.60	0.64	0.70
South Africa	21.38	30.55	32.20	27.50	24.39	22.94	22.94	22.50	22.65	22.61
Zaire	0.31	0.09	0.18	0.13	0.13	0.10	0.09	0.08	0.08	0.08
Communist Countries										
USSR	3.63	5.33	7.00	8.03	8.42	8.29	8.87	9.19	9.54	9.87

Table 119

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Thousand Troy Ounces

## Platinum-Group Metals Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>1</sup>	24	35	17	20	13	19	6	6	8	7
Canada	460	463	482	354	385	399	417	465	346	185
South Africa <sup>2</sup>	406	754	1,500	2,360	2,830	2,600	2,700	2,870	2,860	3,200
USSR	1,000	2,000	2,500	3,000	3,200	3,300	3,400	3,400	3,500	3,600

<sup>1</sup> Crude placer platinum and byproduct metals recovered largely from domestic copper refining.

<sup>2</sup> Platinum-group metals from platinum ores and osmiridium from gold ores.

Table 120

Metric Tons

Molybdenum Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD	32,000	40,000	66,400	66,700	64,800	61,200	66,200	72,300	74,000	75,400
United States	31,000	35,100	50,500	52,600	50,800	48,100	51,400	55,500	59,800	65,300
Canada <sup>2</sup>	348	4,340	15,300	13,800	13,900	13,000	14,600	16,600	14,100	10,000
Japan	381	277	264	156	107	140	220	180	130	140
Norway	246	239	340	100	0	0	0	0	0	0
Other Countries										
Chile	1,850	3,690	5,700	5,880	9,740	9,090	10,900	10,900	13,200	12,700
Peru	Negl.	680	607	633	650	651	450	463	729	816
Communist Countries										
USSR	4,800	7,300	9,500	10,000	10,300	10,500	10,700	11,000	11,300	11,600

<sup>1</sup> Molybdenum content of ores and concentrates.

<sup>2</sup> Shipments.

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Thousand Metric Tons

Table 121

Caustic Soda Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>8,250</b>	<b>11,600</b>	<b>18,300</b>	<b>21,200</b>	<b>22,200</b>	<b>18,800</b>	<b>20,600</b>	<b>20,800</b>	<b>21,000</b>	<b>23,000</b>
United States	4,510	6,207	9,200	9,694	10,341	8,410	9,202	9,504	9,696	11,236
Canada	338	583	860	1,029	1,030	845	1,000	1,014	1,036	1,060
Japan	869	1,344	2,685	3,231	3,162	2,948	2,905	2,870	2,776	3,021
European Community	<b>1,970</b>	<b>2,630</b>	<b>4,390</b>	<b>5,870</b>	<b>6,200</b>	<b>5,190</b>	<b>6,080</b>	<b>6,140</b>	<b>6,170</b>	<b>6,350</b>
France	597	671	1,094	1,392	1,427	1,120	1,274	1,320	1,344	1,392
Italy	429	691	999	1,179	1,138	1,002	1,134	1,110	988	986
West Germany	776	1,178	1,682	2,513	2,819	2,489	3,090	3,108	3,252	3,391
<b>Communist Countries</b>	<b>1,420</b>	<b>2,250</b>	<b>3,140</b>	<b>3,540</b>	<b>3,800</b>	<b>4,220</b>	<b>4,580</b>	<b>4,760</b>	<b>4,930</b>	<b>4,860</b>
USSR and Eastern Europe	<b>1,420</b>	<b>2,250</b>	<b>3,140</b>	<b>3,540</b>	<b>3,800</b>	<b>4,220</b>	<b>4,580</b>	<b>4,760</b>	<b>4,930</b>	<b>4,860</b>
USSR	704	1,199	1,783	2,020	2,174	2,395	2,604	2,658	2,763	2,680
Eastern Europe	<b>716</b>	<b>1,050</b>	<b>1,360</b>	<b>1,520</b>	<b>1,630</b>	<b>1,830</b>	<b>1,970</b>	<b>2,100</b>	<b>2,170</b>	<b>2,180</b>
Bulgaria	17	32	46	73	69	84	87	96	102	107
Czechoslovakia	115	158	189	217	232	257	293	312	311	302
East Germany	327	364	413	427	436	442	441	423	415	415
Hungary <sup>2</sup>	16	49	67	83	87	89	91	97	146	194
Poland	167	215	313	338	361	392	388	440	469	436
Romania	74	233	330	383	444	566	673	735	725	725
<b>Other</b>										
Cuba	N.A.	2	4	4	4	4	4	4	4	N.A.
Yugoslavia	48	88	93	93	100	97	90	96	86	102

<sup>1</sup> Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on site for processing.

<sup>2</sup> Including regenerated caustic soda.

Table 122 Synthetic Ammonia Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	3,595	6,618	10,135	11,241	11,700	12,194	12,212	12,433	12,825	13,457
Canada <sup>2</sup>	382 <sup>3</sup>	453	1,007	1,246	1,270	1,336	1,388	2,145	1,927	2,486
Japan <sup>2</sup>	1,059	1,779	3,220	3,973	3,966	3,620	2,621	2,843	2,368	N.A.
European Community	3,420	5,030	6,580	7,850	8,300	7,820	7,290	8,020	8,260	N.A.
France	724	1,281	1,619	1,923	2,114	1,941	1,781	2,034	2,016	2,150
Italy	724	1,035	1,272	1,394	1,374	1,452	1,195	1,378	1,704	1,721
Netherlands	410	661	1,340	1,910	2,066	1,908	1,951	2,166	2,093	N.A.
West Germany	1,242	1,659	1,821	2,064	2,170	1,981	1,862	1,989	1,955	2,161
Communist Countries										
USSR and Eastern Europe	2,180	5,000	10,400	13,100	14,700	16,200	16,900	17,800	19,000	20,200
USSR	1,138	3,137	6,282	8,367	9,062	9,868	10,090	10,744	11,462	12,750
Eastern Europe	1,040	1,860	4,090	4,780	5,660	6,340	6,850	7,100	7,530	7,460
Bulgaria	111	338	788	707	806	935	920	995	960	951
Czechoslovakia	153	254	432	544	776	710	725	791	812	768
East Germany	392	438	481	434	689	919	1,119	1,130	1,137	1,147
Hungary	67	173	414	501	499	513	703	729	746	767
Poland	285	440	1,187	1,565	1,666	1,707	1,726	1,665	1,616	1,513
Romania	29	218	792	1,031	1,222	1,559	1,660	1,793	2,259	2,315
Far East										
China <sup>4</sup>	490	1,387	2,970	5,282	5,283	5,911	5,161	7,734	9,287	10,727
Other										
Yugoslavia	12	114	285	387	405	391	387	417	416	427

<sup>1</sup> Unless otherwise indicated, nitrogen content of synthetic ammonia.

<sup>2</sup> Synthetic anhydrous. To convert to actual production of synthetic ammonia, multiply by 1.2158.

<sup>3</sup> Data are for 1961.

<sup>4</sup> Includes only ammonia produced for fertilizer.

Table 123

Thousand Metric Tons

Sulfuric Acid Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>38,700</b>	<b>51,400</b>	<b>61,600</b>	<b>68,200</b>	<b>71,000</b>	<b>64,900</b>	<b>65,800</b>	<b>69,100</b>	<b>75,800</b>	<b>78,700</b>
United States <sup>2</sup>	16,223	22,544	26,784	28,613	29,982	29,376	30,392	31,188	37,274	38,116
Japan	4,452	5,655	6,925	7,116	7,127	5,997	6,095	6,336	6,432	6,581
European Community	<b>12,700</b>	<b>15,800</b>	<b>18,200</b>	<b>20,500</b>	<b>21,200</b>	<b>17,200</b>	<b>18,100</b>	<b>19,100</b>	<b>19,500</b>	<b>20,500</b>
France	2,046	2,916	3,682	4,383	4,689	3,758	3,959	4,501	4,584	4,915
Italy	2,299	2,979	3,327	3,036	3,219	3,006	2,896	2,952	2,952	2,977
United Kingdom	2,745	3,358	3,352	3,886	3,855	3,166	3,271	3,408	3,456	3,498
West Germany <sup>3</sup>	3,170	3,751	4,435	5,069	5,130	4,157	4,668	4,680	4,680	5,040
<b>Communist Countries</b>	<b>7,890</b>	<b>12,800</b>	<b>18,100</b>	<b>22,600</b>	<b>25,000</b>	<b>27,300</b>	<b>28,500</b>	<b>29,600</b>	<b>31,100</b>	<b>31,000</b>
USSR and Eastern Europe	<b>7,890</b>	<b>12,800</b>	<b>18,100</b>	<b>22,600</b>	<b>25,000</b>	<b>27,300</b>	<b>28,500</b>	<b>29,600</b>	<b>31,100</b>	<b>31,000</b>
USSR	5,398	8,518	12,059	14,855	16,633	18,645	20,015	21,104	22,411	22,400
Eastern Europe	<b>2,500</b>	<b>4,230</b>	<b>6,090</b>	<b>7,720</b>	<b>8,350</b>	<b>8,620</b>	<b>8,440</b>	<b>8,530</b>	<b>8,660</b>	<b>8,620</b>
Bulgaria	123	318	502	561	761	854	857	860	974	998
Czechoslovakia	553	933	1,110	1,209	1,211	1,245	1,240	1,276	1,195	1,253
East Germany	730	985	1,099	1,058	1,005	1,002	957	927	971	990
Hungary <sup>4</sup>	178	393	484	670	683	659	653	678	690	630
Poland	685	1,062	1,901	2,914	3,333	3,413	3,179	3,268	3,172	2,982
Romania	226	541	994	1,311	1,358	1,448	1,555	1,523	1,655	1,765
<b>Far East</b>									6,610	7,000
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	6,610	7,000
<b>Other</b>									902	976
Yugoslavia	121	405	696	883	863	871	843	874	902	976

<sup>1</sup> Pure (monohydrate) sulfuric acid (100 percent H<sub>2</sub>SO<sub>4</sub>).<sup>3</sup> Including data for West Berlin.<sup>2</sup> Including appreciable amounts produced in government-owned privately operated plants.<sup>4</sup> Including oleum.

Table 124

Thousand Metric Tons

Mineral Fertilizer Production, Nutrient Content <sup>1</sup>

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	
<b>OECD <sup>2</sup></b>	<b>22,300</b>	<b>33,900</b>	<b>43,300</b>	<b>50,200</b>	<b>50,400</b>	<b>46,300</b>	<b>49,600</b>	<b>51,700</b>	<b>55,700</b>	
United States	7,410	11,933	15,789	17,753	17,117	18,221	19,202	18,950	20,993	
Canada	496	2,545	4,465	6,572	7,179	6,226	7,491	8,435	8,720	
Japan	1,544	2,203	2,770	2,874	3,110	2,142	1,796	2,142	2,164	
Spain	674	1,043	1,604	1,835	1,709	1,794	2,042	1,937	2,085	
European Community	<b>10,400</b>	<b>13,300</b>	<b>15,300</b>	<b>16,700</b>	<b>17,200</b>	<b>14,100</b>	<b>15,000</b>	<b>16,100</b>	<b>17,100</b>	
France	3,021	4,161	4,644	5,418	5,481	4,354	4,520	4,734	5,071	
Italy	1,110	1,590	1,621	1,708	1,707	1,511	1,509	1,685	2,121	
West Germany	3,897	4,610	4,743	4,974	5,144	3,756	4,240	4,473	4,508	
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>	<b>1979</b>
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>6,510</b>	<b>12,000</b>	<b>20,800</b>	<b>26,200</b>	<b>29,000</b>	<b>32,900</b>	<b>34,200</b>	<b>35,500</b>	<b>36,400</b>	<b>34,800</b>
USSR <sup>3</sup>	3,281	7,389	13,099	17,429	19,352	21,988	22,590	23,493	23,653	22,140
Eastern Europe	<b>3,230</b>	<b>4,640</b>	<b>7,710</b>	<b>8,810</b>	<b>9,620</b>	<b>10,900</b>	<b>11,600</b>	<b>12,000</b>	<b>12,700</b>	<b>12,600</b>
Bulgaria	127	354	749	654	781	918	905	984	968	959
Czechoslovakia	287	484	680	770	800	1,012	1,100	1,178	1,176	1,140
East Germany	2,166	2,506	3,244	3,370	3,710	3,985	4,369	4,470	4,628	4,740
Hungary	102	265	517	594	583	690	767	788	855	850
Poland	477	738	1,629	2,179	2,339	2,581	2,593	2,610	2,621	2,431
Romania	71	293	895	1,242	1,410	1,729	1,869	1,981	2,461	2,522
Far East										
China	498	1,502	2,780	4,925	4,945	5,720	4,830	7,238	8,691	10,654
Other										
Yugoslavia	45	226	364	435	413	410	373	411	410	430

<sup>1</sup> Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

<sup>2</sup> Data are for "fertilizer years"—in general, the year beginning 1 July.

<sup>3</sup> Including some products used for technical purposes.

*Vietnam*



Table 125

Thousand Metric Tons of N

## Nitrogen Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	
OECD <sup>1</sup>	8,460	13,400	19,300	21,800	21,800	21,200	21,800	22,700	24,500	
United States	2,739	5,081	8,161	9,158	8,474	9,591	9,788	9,495	10,155	
Canada	286	377	726	803	895	775	1,204	1,578	1,674	
Japan	1,030	1,615	2,105	2,138	2,341	1,557	1,171	1,446	1,457	
Spain	110	323	592	763	722	825	883	906	929	
European Community	3,650	4,980	6,240	7,020	7,530	6,620	6,960	7,360	8,120	
Belgium	278	310	594	654 <sup>2</sup>	641 <sup>2</sup>	610 <sup>2</sup>	645 <sup>2</sup>	651 <sup>2</sup>	753 <sup>2</sup>	
France	671	1,066	1,351	1,642	1,694	1,361	1,462	1,470	1,781	
Italy	658	905	956	1,129	1,131	1,000	985	1,042	1,442	
Netherlands	417	562	930	1,212	1,334	1,155	1,297	1,453	1,540	
United Kingdom	449	666	748	755	977	1,055	1,071	1,199	1,147	
West Germany	1,180	1,419	1,505	1,473	1,574	1,259	1,290	1,305	1,273	
Other Countries <sup>1</sup>										
India	110	232	846	1,050	1,187	1,509	1,862	2,000	2,169	
	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	1,910	4,250	8,740	11,100	12,100	13,500	14,000	14,700	15,200	15,000
USSR <sup>3</sup>	1,003	2,712	5,423	7,241	7,856	8,535	8,609	9,114	9,299	9,170
Eastern Europe	906	1,540	3,320	3,900	4,240	4,950	5,380	5,560	5,930	5,860
Bulgaria	86	260	602	519	593	672	663	705	685	677
Czechoslovakia	140	220	296	351	385	496	568	605	625	591
East Germany	334	348	395	411	436	538	776	838	892	900
Hungary	57	148	350	404	393	421	492	514	534	549
Poland	270	394	1,030	1,365	1,457	1,533	1,548	1,521	1,470	1,375
Romania	19	166	647	854	980	1,292	1,331	1,381	1,723	1,766
Far East										
China	404	1,240	2,443	4,328	4,345	5,026	4,244	6,360	7,637	8,821
Other										
Yugoslavia	4	90	238	276	278	278	277	311	306	314

<sup>1</sup> Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.

<sup>2</sup> Including Luxembourg.

<sup>3</sup> Including some nitrogen for technical purposes.

Thousand Metric Tons of P<sub>2</sub>O<sub>5</sub>

Table 126

## Phosphate Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	
<b>OECD<sup>1</sup></b>	<b>7,960</b>	<b>11,300</b>	<b>13,700</b>	<b>15,800</b>	<b>15,500</b>	<b>13,900</b>	<b>15,200</b>	<b>15,800</b>	<b>17,200</b>	
United States	2,626	4,260	5,369	6,232	6,568	6,531	7,070	7,480	8,552	
Australia	569	940	695	1,169	728	481	722	755	847	
Canada	210	419	560	696	661	610	632	651	660	
Japan	515	588	665	736	769	585	625	696	707	
Spain	299	317	487	615	606	456	592	479	493	
European Community	<b>3,100</b>	<b>3,940</b>	<b>4,800</b>	<b>4,890</b>	<b>4,760</b>	<b>3,720</b>	<b>4,080</b>	<b>4,300</b>	<b>4,330</b>	
Belgium	289	415	745	769 <sup>4</sup>	757 <sup>4</sup>	625 <sup>4</sup>	589 <sup>4</sup>	623 <sup>4</sup>	650 <sup>4</sup>	
France <sup>2</sup>	770	1,218	1,451	1,693	1,709	1,259	1,490	1,560	1,459	
Italy	399	512	510	442	410	370	383	510	544	
West Germany	750	857	946	962	911	649	733	722	696	
<b>Other Countries</b>										
Brazil	45	61	162	320	371	594	926	1,122	1,186	
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>	<b>1979</b>
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>1,850</b>	<b>3,470</b>	<b>5,500</b>	<b>6,500</b>	<b>7,270</b>	<b>8,120</b>	<b>8,310</b>	<b>8,770</b>	<b>9,090</b>	<b>9,170</b>
USSR <sup>2</sup>	1,192	2,300	3,585	4,261	4,902	5,511	5,664	6,024	6,153	6,315
Eastern Europe	<b>658</b>	<b>1,170</b>	<b>1,910</b>	<b>2,240</b>	<b>2,370</b>	<b>2,610</b>	<b>2,650</b>	<b>2,750</b>	<b>2,930</b>	<b>2,860</b>
Bulgaria	41	94	148	135	188	246	242	279	283	282
Czechoslovakia <sup>2</sup>	147	258	322	336	356	398	376	389	367	358
East Germany <sup>2</sup>	166	232	430	403	410	427	423	403	413	444
Hungary	45	117	167	190	190	206	188	165	185	165
Poland	207	344	599	814	823	929	928	966	1,026	932
Romania	52	127	244	361	404	404	493	548	660	676
Far East										
China <sup>2</sup>	94	262	330	585	588	680	574	860	1,033	1,817
Other										
Yugoslavia	41	136	126	19	135	132	96	100	97	116

<sup>1</sup> Data are for "fertilizer years"—in general, the year beginning 1 July.<sup>2</sup> Including production of ground phosphate rock for direct application and phosphate animal feeds.<sup>3</sup> Beginning 1 May of the stated year.<sup>4</sup> Including Luxembourg.

Table 127

Thousand Metric Tons of K<sub>2</sub>O

## Potassium Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	
OECD <sup>1</sup>	5,920	9,130	10,300	12,700	12,900	11,200	12,500	13,100	14,000	
United States	2,045	2,592	2,259	2,363	2,075	2,099	2,344	1,975	2,286	
Canada	0	1,749	3,179	5,073	5,623	4,842	5,655	6,206	6,387	
Spain	265	404	525	457	381	512	566	552	663	
European Community	3,600	4,390	4,290	4,760	4,920	3,760	3,970	4,400	4,680	
France <sup>2</sup>	1,581	1,877	1,842	2,082	2,078	1,734	1,567	1,704	1,831	
West Germany <sup>3</sup>	1,967	2,335	2,293	2,539	2,659	1,848	2,217	2,445	2,540	
Other Countries										
Israel	92	310	576	515	654	712	645	683	653	
	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	2,750	4,300	6,570	8,580	9,640	11,300	11,900	12,000	12,000	10,600
USSR <sup>4</sup>	1,084	2,368	4,087	5,918	6,586	7,944	8,310	8,347	8,197	6,650
Eastern Europe	1,670	1,930	2,490	2,670	3,050	3,400	3,600	3,700	3,850	3,930
Czechoslovakia <sup>5</sup>	0	6	62	83	105	168	184	184	191	191
East Germany	1,666	1,926	2,420	2,556	2,864	3,019	3,161	3,229	3,323	3,396
Hungary <sup>5</sup>	0	0	0	0	0	63	87	109	136	136
Poland <sup>5</sup>	0	0	0	0	59	119	120	123	125	124
Romania <sup>5</sup>	0	0	4	27	26	33	45	52	78	80
Far East										
China	0	0	7	12	12	14	12	18	21	16

<sup>1</sup> Data are for "fertilizer years"—in general, the year beginning 1 July. Including unidentified double counting of some products used for technical purposes (estimated at 4 percent to 5 percent of the total).

<sup>2</sup> Beginning 1 May of the stated year.

<sup>3</sup> Excluding technical potash.

<sup>4</sup> Including some potassium for technical purposes.

<sup>5</sup> Imported potash added to domestically produced nitrogen and phosphate to form multinutrient fertilizer.

Table 128

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Thousand Metric Tons

## Plastics Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>1</sup>	2,850	5,300	9,660	13,706	13,764	10,206	13,261	11,232	12,380	13,866
Japan	556	1,609	5,128	6,392	6,722	4,373	4,952	4,978	5,882	6,964
European Community	<b>2,400</b>	<b>5,070</b>	<b>10,200</b>	<b>16,100</b>	<b>16,400</b>	<b>13,400</b>	<b>16,700</b>	<b>17,700</b>	<b>18,400</b>	<b>19,000</b>
West Germany	982	1,999	4,321	6,434	6,271	5,046	6,444	6,270	6,755	7,079
Communist Countries										
USSR and Eastern Europe	<b>560</b>	<b>1,370</b>	<b>2,860</b>	<b>4,040</b>	<b>4,340</b>	<b>4,920</b>	<b>5,530</b>	<b>6,100</b>	<b>6,500</b>	<b>6,570</b>
USSR <sup>2</sup>	312	803	1,670	2,320	2,493	2,838	3,058	3,309	3,516	3,477
Eastern Europe	<b>248</b>	<b>571</b>	<b>1,190</b>	<b>1,720</b>	<b>1,850</b>	<b>2,080</b>	<b>2,470</b>	<b>2,790</b>	<b>2,980</b>	<b>3,090</b>
Bulgaria	7	33	89	144	146	156	157	169	178	200
Czechoslovakia	64	126	245	336	390	428	581	738	810	853
East Germany	115	219	370	489	518	605	679	734	762	790
Hungary	10	27	56	111	115	124	141	148	213	294
Poland	40	91	224	334	395	421	446	463	467	441
Romania	12	75	206	302	283	347	465	543	552	516
Other										
Yugoslavia	15	57	97	126	167	160	205	237	293	342

<sup>1</sup> Dry basis, excluding water, solvents, and other liquid diluents.<sup>2</sup> Including resins for manmade fibers.

Table 129

Thousand Metric Tons

## Natural Rubber Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
India	25.2	49.4	89.9	123.2	128.4	136.0	147.8	151.6	133.0	144.8
Indonesia <sup>1</sup>	620.3	716.5	815.2	885.8	855.0	822.5	847.5	835.0	902.5	886.4
Malaysia <sup>2</sup>	755.7	917.0	1,269.2	1,542.3	1,524.7	1,459.3	1,612.4	1,613.2	1,606.5	1,549.5
Sri Lanka	98.8	118.3	159.2	154.7	132.0	148.8	152.1	146.2	155.7	154.1
Thailand <sup>1</sup>	170.8	216.4	318.8	390.0	379.5	355.0	411.9	430.9	467.0	520.0

<sup>1</sup> Exports plus estimated consumption.<sup>2</sup> Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 130

Thousand Metric Tons

## Synthetic Rubber Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>1,910</b>	<b>2,960</b>	<b>4,580</b>	<b>5,760</b>	<b>5,360</b>	<b>4,530</b>	<b>5,510</b>	<b>5,810</b>	<b>5,760</b>	<b>N.A.</b>
United States	1,459	1,842	2,232	2,607	2,396	1,990	2,425	2,521	2,605	2,538
Canada	162	206	205	230	209	173	210	238	248	281
Japan	23	161	698	968	858	789	941	971	1,030	1,110
European Community	<b>269</b>	<b>727</b>	<b>1,340</b>	<b>1,770</b>	<b>1,720</b>	<b>1,410</b>	<b>1,740</b>	<b>1,830</b>	<b>1,800</b>	<b>1,880</b>
France	17	148	316	458	463	350	437	479	492	538
Italy	67	120	155	230	240	200	250	240	250	270
Netherlands	12	100	200	263	245	216	247	240	223	244
United Kingdom	92	175	316	364	336	261	320	329	294	282
West Germany	81	164	302	393	372	316	373	414	407	410
<b>Other Countries</b>										
Brazil	0	39	75	126	155	129	164	188	206	221
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>454</b>	<b>789</b>	<b>1,210</b>	<b>1,540</b>	<b>1,690</b>	<b>1,880</b>	<b>2,000</b>	<b>2,190</b>	<b>2,300</b>	<b>2,390</b>
USSR <sup>1</sup>	347	604	914	1,155	1,290	1,450	1,570	1,700	1,795	1,867
Eastern Europe	<b>107</b>	<b>185</b>	<b>295</b>	<b>384</b>	<b>401</b>	<b>427</b>	<b>435</b>	<b>486</b>	<b>503</b>	<b>519</b>
Bulgaria	0	0	4	18	18	19	21	25	25	30
Czechoslovakia	0	20	50	55	51	57	57	59	59	60
East Germany <sup>2</sup>	87	95	118	134	139	144	145	147	145	150
Poland	20	39	62	94	101	108	117	119	126	130
Romania	0	31	61	83	92	99	95	136	148	149

<sup>1</sup> Estimated.<sup>2</sup> Including Pervinan and Plastikator.

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**Manufacturing Goods  
and Forestry**

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Table 131

Woven Cotton Fabrics Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States (Million lm)	8,564	8,447	5,711	4,651	4,310	3,744	4,091	3,983	3,664	3,595
Japan (Million sm)	3,221	3,013	2,616	2,380	2,163	2,124	2,237	2,266	2,315	2,339
Spain (Thousand mt)	93	101	112	130	132	124	124	127	125	N.A.
Turkey <sup>2</sup> (Million lm)	384	781	815	811	778	785	759	662	773	800
<b>European Community</b>										
France (Thousand mt)	384	210	197	208	205	174	190	192	168	169
Italy (Thousand mt)	139	103	129	128	140	126	113	138	137	153
United Kingdom <sup>3</sup> (Million lm)	1,183	928	628	453	410	405	374	370	379	357
West Germany (Thousand mt)	249	206	182	188	182	166	199	169	160	161
<b>Other Countries</b>										
Hong Kong <sup>2</sup> (Million sm)	387	543	645	597	558	682	822	677	653	718
India (Million lm)	6,629	7,643	7,849	7,770	8,285	8,033	7,945	6,900	7,214	7,400
Pakistan <sup>2,3</sup> (Million lm)	575	654	663	644	648	608	569	408	391	341
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>										
USSR <sup>4</sup> (Million sm)	4,838	5,499	6,152	6,578	6,624	6,634	6,779	6,811	6,967	6,974
<b>Eastern Europe</b>										
Bulgaria <sup>4</sup> (Million lm)	218	291	319	333	347	372	359	371	353	347
Czechoslovakia <sup>4,5</sup> (Million lm)	464	500	501	553	550	555	530	533	544	551
East Germany (Million sm)	254	244	248	243	248	246	274	272	269	270
Hungary <sup>4</sup> (Million sm)	247	323	304	346	355	352	353	366	365	349
Poland <sup>4</sup> (Million lm)	665	811	881	868	885	928	948	951	919	885
Romania <sup>4</sup> (Million sm)	248	319	437	571	612	591	677	703	717	720
<b>Far East</b>										
China (Million lm)	N.A.	5,727	8,500	N.A.	N.A.	9,565	8,888	10,151	11,029	12,150
<b>Other</b>										
Yugoslavia <sup>4</sup> (Million sm)	257	394	390	361	365	376	385	384	410	418

<sup>1</sup> Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

<sup>2</sup> Excluding mixed fabrics.

<sup>3</sup> Mill production only. Data include finished fabrics.

<sup>4</sup> Fabrics after undergoing finishing processes.

<sup>5</sup> Including nonwoven fabrics.

<sup>6</sup> Including cellulosic fabrics.

*Vietnam*

Table 132

Woven Woolen Fabrics Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States (Million lm)	262	244	163	97	73	71	87	93	107	109
Australia <sup>2</sup> (Million sm)	25	30	27	18 <sup>3</sup>	12 <sup>3</sup>	14 <sup>3</sup>	14 <sup>3</sup>	6 <sup>3</sup>	6 <sup>3</sup>	8 <sup>3</sup>
Canada <sup>4</sup> (Million sm)	25	30	28	31	29	29	28	N.A.	N.A.	N.A.
Japan <sup>5</sup> (Million sm)	316	341	426	470	357	357	374	347	336	326
Spain (Thousand mt)	17	22	34	38	37	28	28	27	26	N.A.
Turkey <sup>7</sup> (Million lm)	10	24	25	35	40	35	40	23	32	36
European Community										
Belgium (Thousand mt)	29	38	39	37	30	30	34	27	28	29
France (Thousand mt)	72	60	64	72	68	63	62	69	74	77
Italy (Thousand mt)	47	35 <sup>7</sup>	134	166	159	N.A.	189	N.A.	N.A.	N.A.
Netherlands <sup>8</sup> (Million sm)	68	67	27	24	21	19	17	13	N.A.	N.A.
United Kingdom <sup>4</sup> (Million sm)	307	270	215	192	175	151	143	150	144	141
West Germany <sup>4</sup> (Thousand mt)	51	55	48	49	39	38	40	37	36	36
Communist Countries										
USSR and Eastern Europe										
USSR <sup>4</sup> (Million sm)	439	466	643	703	724	740	764	773	781	774
Eastern Europe										
Bulgaria <sup>4</sup> (Million lm)	19	20	27	30	33	39	36	36	35	36
Czechoslovakia <sup>4</sup> (Million lm)	46	44	49	56	63	68	65	64	62	59
East Germany (Million sm)	49	39	37	37	37	37	39	39	38	39
Hungary <sup>4</sup> (Million sm)	32	36	39	38	40	39	41	43	43	41
Poland <sup>4</sup> (Million lm)	79	91	99	107	117	124	125	124	124	123
Romania <sup>4</sup> (Million sm)	32	41	63	83	94	96	105	119	123	124
Other										
Yugoslavia (Million sm)	46	55	57	60	66	66	67	79	73	75

<sup>1</sup> Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

<sup>2</sup> Twelve months ending 30 June of the stated year.

<sup>3</sup> Excluding worsted fabrics.

<sup>4</sup> Fabrics after undergoing finishing processes.

<sup>5</sup> Factory shipments.

<sup>6</sup> Including finished fabrics.

<sup>7</sup> Excluding mixed fabrics.

<sup>8</sup> Including nonwoven fabric.



Table 133

Woven Rayon and Acetate Fabrics Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States (Million lm)	1,312	1,792	1,374	1,208	901	610	507	600	673	670
Australia <sup>2</sup> <sup>3</sup> (Million sm)	15	27	29	25	23	16	16	17	15	18
Japan <sup>3</sup> (Million sm)	1,828	1,653	1,545	1,299	988	838	926	888	852	900
<b>European Community</b>										
Belgium (Thousand mt)	10	17	26	34	33	28	31	32	33	32
France <sup>4</sup> (Thousand mt)	30	32	42	51	53	47	50	48	48	51
United Kingdom <sup>4</sup> (Million lm)	564	572	444	490	490	491	493	498	458	469
West Germany (Thousand mt)	N.A.	116	97	85	84	67	72	66	66	65
<b>Other Countries</b>										
India <sup>4</sup> (Million lm)	550	870	935	887	848	846	1,024	1,166	N.A.	N.A.
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>										
USSR (Million sm)	628	769	1,112	1,305	1,371	1,463	1,550	N.A.	N.A.	N.A.
<b>Eastern Europe</b>										
Bulgaria <sup>4</sup> <sup>5</sup> <sup>6</sup> (Million lm)	11	15	21	26	26	31	32	29	32	31
Czechoslovakia (Million lm)	N.A.	59	65	65	61	62	59	60	63	59
East Germany (Million sm)	68	77	117	122	122	121	118	124	131	132
Hungary <sup>3</sup> <sup>3</sup> (Million sm)	28	36	57	53	52	55	57	57	62	57
Poland <sup>6</sup> (Million lm)	112	126	156	187	187	180	190	177	168	163
Romania <sup>3</sup> <sup>4</sup> (Million sm)	25	32	48	74	78	89	106	120	126	126
<b>Other</b>										
Yugoslavia <sup>4</sup> (Million sm)	19	24	29	36	35	39	36	42	41	39

<sup>1</sup> Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

<sup>2</sup> Twelve months ending 30 June of the stated year.

<sup>3</sup> Including finished fabrics.

<sup>4</sup> Including fabrics of noncellulosic fibers.

<sup>5</sup> Including fabrics of natural silk.

<sup>6</sup> Fabrics after undergoing finishing processes.

Table 134

Thousand Metric Tons

Synthetic Fibers Production<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	307.2	806.0	1,626.7	2,861.9	2,817.6	2,664.4	2,996.3	3,316.8	3,523.0	3,818.6
Canada	17.0	37.5	73.4	93.6	92.0	95.8	98.3	114.7	118.4	122.0
Japan	118.3	379.6	1,027.9	1,308.4	1,174.4	1,061.2	1,245.5	1,320.0	1,418.4	1,410.0
Spain	3.1	14.8	63.5	131.2	128.9	120.2	146.2	159.6	189.6	189.6
European Community	204	586	1,370	2,090	1,920	1,660	2,030	1,870	1,980	1,960
France	45.3	92.8	175.2	266.3	237.7	204.7	250.6	249.6	258.0	235.2
Italy	33.7	109.8	241.7	382.3	349.1	321.9	427.5	381.6	405.6	406.8
United Kingdom <sup>2</sup>	61.0	148.0	336.9	453.9	396.1	361.1	414.5	358.8	406.8	381.6
West Germany	52.3	179.3	497.0	810.4	766.9	633.0	771.2	712.8	746.4	774.0
Communist Countries										
USSR and Eastern Europe	35.5	136	361	616	729	819	912	1,000	1,080	1,090
USSR	15.0	77.0	167.0	287.0	318.0	365.0	408.0	459.0	497.0	500.0
Eastern Europe	20.5	58.7	194	329	411	454	504	543	579	587
Bulgaria	0	0	23.1	38.1	40.8	41.7	41.9	44.0	45.5	48.0
Czechoslovakia	3.4	9.8	31.4	52.9	60.2	69.4	75.1	80.1	92.9	97.1
East Germany	7.8	19.0	47.3	92.9	103.9	111.8	117.6	124.0	131.1	131.9
Hungary	0.4	2.3	5.6	9.6	11.5	11.3	11.8	16.9	19.3	18.7
Poland	8.0	24.3	57.5	82.8	98.7	124.2	143.3	153.4	158.6	160.8
Romania	0.9	3.3	29.5	52.4	95.5	95.6	113.9	124.5	131.3	130.5
Other										
Yugoslavia	N.A.	1.1	8.7	16.6	17.7	18.5	20.8	25.7	35.8	36.0

<sup>1</sup>Data are for noncellulosic fibers whether made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

<sup>2</sup>"Delivery weight," approximately 3 percent less than "actual weight," prior to mid-1967. Thereafter, approximately one-half of production is reported as "actual weight."

Table 135

Million Square Meters

Housing Construction <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States	145.4	159.5	152.3	240.4	196.9	161.9	177.2	213.9	234.3	234.4
USSR	109.6	97.6	106.0	110.5	110.1	109.9	106.2	107.8	106.8	102.5

<sup>1</sup> Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

*none*

Table 136

## Computers and Peripheral Equipment Production

	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>								
United States <sup>1</sup> (million US \$)	3,678	7,420	9,122	8,590	10,398	12,462	14,597	17,516
United Kingdom <sup>2</sup> (million US \$)	501	865	965	1,081	1,068	1,177	1,569	2,241
West Germany (million US \$)	736	1,396	1,590	1,403	1,577	2,201	2,711	3,233
<b>Communist Countries</b>								
USSR <sup>3</sup> (million rubles)	710	1,643	2,221	1,921	2,266	2,807	3,400	3,900
East Germany <sup>4</sup> (million marks)	1,100	1,783	2,026	2,033	2,173	2,327	2,423	N.A.
Hungary <sup>3</sup> (million forints)	116	1,000	1,912	2,852	3,677	4,177	4,558	5,196
Poland <sup>4</sup> (million zlotys)	N.A.	663	891	1,430	1,577	1,720	1,625	2,055

<sup>1</sup> Shipments.

<sup>2</sup> Sales.

<sup>3</sup> Including business machines. Starting in 1975, the Soviets changed their prices; therefore, data for 1975-78 are not comparable with data for earlier years.

<sup>4</sup> Including business machines. Values are based on current prices.

<sup>5</sup> Based on current prices.

<sup>6</sup> Based on comparable prices.

Table 137

Thousand Kilowatts

Electric Generator Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>2</sup>	12,899	15,451	27,565	34,820	38,269	30,496	35,349	30,222	27,865	29,757
Communist Countries										
USSR	7,900	14,390	10,578	16,500	16,000	17,100	16,600	17,900	18,200	17,000
Bulgaria	29	13	37	232	27	32	96	67	65	N.A.
Czechoslovakia <sup>3</sup>	1,391	888	1,488	1,989	1,543	1,474	1,775	1,863	1,745	N.A.
Hungary <sup>3,4</sup>	347	416	590	865	984	861	801	81	29	N.A.
Romania	83	295	747	913	976	1,479	2,234	1,515	1,069	N.A.
China	N.A.	800	2,300	N.A.	N.A.	N.A.	N.A.	3,181	4,838	6,212

<sup>1</sup> Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

<sup>2</sup> Shipments of units of 4,000 kilowatts and larger.

<sup>3</sup> Generators for steam and gas turbines only.

<sup>4</sup> Thousand kilovolt amperes.

Table 138

Thousand Kilowatts

Turbine Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>2</sup>	12,899	15,451	27,565	34,820	38,269	30,496	35,349	30,222	27,865	29,757
Communist Countries										
USSR <sup>3</sup>	9,200	14,625	16,191	15,143	17,271	18,886	19,594	18,900	19,500	20,000
Czechoslovakia	1,555	1,994	2,239	1,501	1,379	1,720	1,616	1,745	1,865	N.A.
Poland <sup>4</sup>	186	471	1,135	1,408	1,701	1,820	1,831	1,532	1,579	1,872
Romania <sup>5</sup>	98	27	121	415	708	712	678	734	603	N.A.

<sup>1</sup> Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electricity. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

<sup>2</sup> Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with

generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.

<sup>3</sup> Including a small number of gas turbines.

<sup>4</sup> Steam turbines only.

<sup>5</sup> Steam turbines of more than 500 kilowatts only.

Table 139

Metalcutting Machine Tool Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>2</sup>										
Million US\$	539.30	1,047.80	1,097.70	1,224.70	1,525.60	1,790.40	1,592.20	1,789.40	2,139.00	2,900.00
Thousand units	42.91	68.01	49.31	57.88	69.00	64.32	54.10	59.40	58.12	65.20
Communist Countries										
USSR and Eastern Europe										
USSR										
Million US\$ <sup>3</sup>	611.74	931.48	1,427.88	1,843.98	2,025.02	2,179.78	2,340.38	2,556.49	2,805.78	2,959.87
Thousand units	155.92	186.13	202.16	213.79	225.59	231.35	232.79	237.56	237.88	229.50
Eastern Europe										
Bulgaria (thousand units)	3.15	8.06	13.94	15.66	15.47	16.28	14.44	13.74	15.32	15.00
Czechoslovakia (thousand units)	30.23	24.33	35.19	31.65	30.19	29.66	31.73	37.61	34.25	36.00
East Germany (thousand units)	41.90	24.77	22.22	19.16	19.11	19.72	19.42	18.76	19.33	20.00
Hungary (thousand units)	9.78	13.85	14.48	9.20	12.67	12.83	14.01	15.27	12.69	14.00
Poland (thousand units)	22.47	31.13	29.73	34.70	33.81	33.19	24.23	23.18	30.00	30.87
Romania (thousand units)	4.44	7.16	14.14	20.55	24.83	28.27	29.95	30.07	27.55	29.00

<sup>1</sup> Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

<sup>2</sup> Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

<sup>3</sup> Converted at the exchange rate of 1 ruble = \$1.46.

Table 140

Metforming Machine Tool Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States										
Million US\$	238.4	409.9	454.1	563.1	640.4	615.7	586.0	651.3	784.7	990.3
Thousand units <sup>2</sup>	19.3	25.3	24.2	30.7	37.0	26.8	26.7	32.5	29.5	30.5
USSR										
Million US\$ <sup>3</sup>	188.3	235.1	359.2	480.3	541.7	581.1	664.3	706.6	776.7	828.6
Thousand units	29.9	34.6	41.3	46.5	48.9	50.5	51.9	54.3	55.4	56.5

<sup>1</sup> Power-driven metforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

<sup>2</sup> Average value of \$1,000 and over for 1960-77 and beginning in 1978, \$2,500 and over.

<sup>3</sup> Converted at the exchange rate of 1 ruble=\$1.46.

Table 141

Units

Grain Combine Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>2</sup>	30,165	37,606	21,017	25,241	28,644	31,259	31,712	31,943	31,843	N.A.
Communist Countries										
USSR and Eastern Europe	67,000	94,200	103,000	91,500	98,100	108,000	112,000	116,000	124,000	N.A.
USSR	59,000	85,800	99,200	84,800	88,400	97,500	101,700	105,500	113,000	115,000
Eastern Europe	8,040	8,380	4,230	6,700	9,720	10,800	10,600	10,700	11,200	N.A.
East Germany	1,972	1,585	900	1,400	1,500	1,500	1,400	1,400	3,000	N.A.
Poland	564	1,781	2,155	2,402	2,909	3,591	4,008	4,002	4,300	4,300
Romania	5,500	5,012	1,179	2,903	5,315	5,659	5,198	5,365	3,887	3,200

<sup>1</sup> Tractor-drawn and self-propelled.

<sup>2</sup> Shipments.

Table 142

Thousand Units

Tractor Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	178.5	271.8	191.7	236.9	233.8	232.0	213.2	226.3	197.3	222.4
European Community										
France	63.4	90.0	68.8	51.2	56.6	55.8	64.5	60.4	48.1	46.5
Italy	37.6	62.7	84.8	86.3	104.5	116.4	128.2	140.5	116.4	115.8
United Kingdom <sup>2</sup>	181.0	178.5	160.7	119.3	119.6	141.7	161.5	147.2	135.0	125.0
West Germany <sup>3</sup>	120.7	105.0	105.4	99.9	116.1	114.1	125.2	128.9	112.0	115.0
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>308</b>	<b>443</b>	<b>574</b>	<b>628</b>	<b>680</b>	<b>743</b>	<b>758</b>	<b>759</b>	<b>773</b>	<b>744</b>
USSR	238.5	354.5	458.5	499.6	531.1	550.4	562.2	569.1	576.1	557.0
Eastern Europe	<b>69.0</b>	<b>88.2</b>	<b>115</b>	<b>128</b>	<b>149</b>	<b>192</b>	<b>196</b>	<b>190</b>	<b>197</b>	<b>187</b>
Bulgaria	0	3.8	4.4	4.0	4.2	5.1	5.9	6.3	7.7	6.4
Czechoslovakia	32.5	32.1	24.3	30.6	40.8	75.0	73.1	61.0	60.0	60.0
East Germany	9.1	12.9	16.4	3.9	4.0	4.0	4.0	3.9	3.4	3.5
Hungary	2.6	3.0	1.9	1.1	0.7	0.6	0.6	0.7	0.4	0.1
Poland	7.7	20.6	38.7	49.6	55.0	57.6	58.8	59.1	59.5	54.2
Romania	17.1	15.8	29.3	38.8	44.6	50.0	53.9	59.3	65.7	62.5
Other										
Yugoslavia	7.3	7.4	12.0	20.7	27.7	33.2	42.2	41.8	50.1	49.9

<sup>1</sup> Excluding garden-type tractors.<sup>2</sup> Shipments.<sup>3</sup> Excluding tracklaying tractors.

Table 143

Thousand Units

## Passenger Automobile Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	6,675	9,306	6,547	9,658	7,331	6,713	8,498	9,199	9,165	8,419
Canada	326	707	923	1,228	1,166	1,045	1,137	1,163	1,143	988
Japan	165	696	3,179	4,471	3,932	4,568	5,028	5,424	5,976	6,180
European Community	<b>4,920</b>	<b>7,130</b>	<b>9,410</b>	<b>10,500</b>	<b>9,120</b>	<b>8,530</b>	<b>9,810</b>	<b>10,200</b>	<b>10,300</b>	<b>10,300</b>
France	1,136	1,374	2,458	3,202	3,045	2,951	3,388	3,564	3,624	3,732
Italy <sup>2</sup>	596	1,104	1,720	1,825	1,631	1,348	1,471	1,452	1,512	1,454
United Kingdom	1,353	1,722	1,641	1,747	1,534	1,268	1,333	1,320	1,224	1,068
West Germany	1,817	2,734	3,528	3,643	2,840	2,905	3,548	3,792	3,900	3,936
<b>Other Countries</b>										
Brazil	57	114	255	492	562	551	527	463	538	530
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>272</b>	<b>411</b>	<b>710</b>	<b>1,410</b>	<b>1,660</b>	<b>1,780</b>	<b>1,880</b>	<b>1,980</b>	<b>2,080</b>	N.A.
USSR	139	201	344	917	1,119	1,201	1,239	1,280	1,312	1,314
Eastern Europe	<b>133</b>	<b>210</b>	<b>366</b>	<b>495</b>	<b>539</b>	<b>581</b>	<b>645</b>	<b>697</b>	<b>769</b>	N.A.
Bulgaria	0	0	8	11	14	15	15	15	15	15
Czechoslovakia	56	78	143	164	169	175	179	159	176	182
East Germany	64	103	127	147	155	159	164	167	171	N.A.
Poland <sup>3</sup>	12	25	64	113	133	164	216	279	326	350
Romania <sup>4</sup>	1	4	24	60	68	68	71	77	81	75
<b>Other</b>										
Yugoslavia <sup>5</sup>	4	36	111	125	171	183	195	234	254	279

<sup>1</sup> Factory sales.<sup>2</sup> Excluding production for the armed forces.<sup>3</sup> Excluding special passenger cars.<sup>4</sup> Including jeeps.<sup>5</sup> Including vehicles assembled from imported parts.



Table 144

Thousand Units

Truck and Bus Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD <sup>2</sup></b>										
United States <sup>3</sup>	1,194	1,752	1,692	2,980	2,727	2,272	2,979	3,442	3,706	3,037
Canada	72	145	236	347	359	379	503	613	611	676
Japan	595	1,222	2,126	2,617	2,624	2,380	2,819	3,072	3,264	3,468
Spain	17	74	77	104	115	101	95	134	150	170
European Community	<b>982</b>	<b>1,020</b>	<b>1,210</b>	<b>1,260</b>	<b>1,240</b>	<b>1,130</b>	<b>1,290</b>	<b>1,320</b>	<b>1,300</b>	<b>1,340</b>
France	234	242	292	394	418	346	454	456	456	456
Italy <sup>4</sup>	49	72	134	135	142	110	119	144	146	139
United Kingdom	458	455	458	417	403	381	372	396	384	408
West Germany	238	243	318	306	265	286	329	312	300	324
<b>Other Countries</b>										
Brazil	76	72	161	251	337	370	449	442	526	554
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>568</b>	<b>505</b>	<b>728</b>	<b>879</b>	<b>928</b>	<b>980</b>	<b>1,000</b>	<b>1,020</b>	<b>1,050</b>	<b>1,070</b>
USSR	501	415	572	685	727	763	786	808	839	859
Eastern Europe	<b>67</b>	<b>90</b>	<b>156</b>	<b>194</b>	<b>201</b>	<b>217</b>	<b>219</b>	<b>215</b>	<b>213</b>	<b>210</b>
Bulgaria	0	0	3	5	5	6	7	7	7	8
Czechoslovakia <sup>5</sup>	18	18	27	30	32	36	40	39	40	43
East Germany	13	16	27	33	37	38	38	37 <sup>6</sup>	37 <sup>6</sup>	37 <sup>6</sup>
Hungary <sup>7</sup>	4	6	9	10	11	13	13	13	14	14
Poland	23	34	53	77	80	85	83	80	77	70
Romania	9	16	37	39	36	39	38	39	38	38
Far East										
China <sup>7</sup>	15	30	70	110	121	133	125	125	149	186
North Korea	3	4	8	15	17	19	21	22	23	24
Other										
Yugoslavia	6	12	17	17	15	19	22	21	20	23

<sup>1</sup> Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

<sup>2</sup> Data include complete units exported for assembly.

<sup>3</sup> Factory sales.

<sup>4</sup> Excluding production for the armed forces.

<sup>5</sup> Excluding wheeled tractors.

<sup>6</sup> Excluding buses.

<sup>7</sup> Excluding buses, jeeps, and three-wheel trucks.

Table 145

Thousand Units

Railroad Freight Car Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	57.31	77.83	66.18	58.25	67.04	72.39	52.55	51.73	67.44	90.02
European Community										
France <sup>2</sup>	7.93	15.04	14.23	13.92	9.85	9.62	6.92	6.37	3.75	6.06
West Germany	6.63	11.31	9.60	8.07	7.51	6.96	6.82	6.81	5.89	6.01
Other Countries										
India	11.90	33.50	11.98	11.90	11.08	12.24	11.28	12.67	11.01	11.29
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>64.7</b>	<b>72.9</b>	<b>97.5</b>	<b>112</b>	<b>116</b>	<b>117</b>	<b>119</b>	<b>118</b>	<b>115</b>	N.A.
USSR	36.40	39.60	58.30	71.80	72.40	69.90	71.90	71.20	68.30	64.60
Eastern Europe	<b>28.3</b>	<b>33.3</b>	<b>39.2</b>	<b>40.4</b>	<b>43.8</b>	<b>47.4</b>	<b>46.7</b>	<b>47.3</b>	<b>46.2</b>	N.A.
Bulgaria	2.01	1.58	1.99	1.97	1.99	2.51	2.55	2.75	2.56	N.A.
Czechoslovakia	5.15	4.30	4.35	5.37	5.13	5.03	5.09	5.53	6.20	N.A.
East Germany	2.14	2.17	5.71	4.66	4.85	5.05	5.43	5.59	5.80	N.A.
Hungary	0.45	0.55	0.50	0.94	0.56	0.48	0.09	0.16	0.06	0.01
Poland	13.90	16.30	15.46	16.47	17.85	18.74	20.40	18.60	17.87	15.91
Romania	4.62	8.58	11.16	11.00	13.38	15.59	13.11	14.65	13.75	N.A.
<b>Far East</b>										
China	23.00	6.60	8.00	12.00	12.80	14.50	15.00	6.40	16.95	16.04
North Korea	0.60	1.60	3.50	5.20	6.00	6.90	7.40	8.90	9.20	9.50
Other										
Yugoslavia	3.42	4.85	2.61	3.79	2.14	3.33	3.32	1.23	1.45	1.72

<sup>1</sup> Units of two, four, or more axles. Most production now consists of four-axle units.

<sup>2</sup> Shipments.

Table 146

Thousand Units

## Television Receiver Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	5,828	11,028	9,483	17,367	15,279	10,637	14,131	15,432	17,406	16,616
Japan	3,578	4,190	13,782	14,414	13,406	12,625	17,105	15,210	13,900	14,400
European Community	<b>6,140</b>	<b>7,210</b>	<b>9,350</b>	<b>11,800</b>	<b>11,700</b>	<b>9,400</b>	<b>10,200</b>	<b>11,200</b>	<b>11,800</b>	<b>11,400</b>
France	655	1,250	1,511	1,695	1,694	1,606	1,777	1,911	2,101	2,040
Italy	728	1,042	2,030	2,200	2,330	1,595	1,813	2,211	2,172	2,031
United Kingdom	2,141	1,591	2,214	3,137	2,616	2,124	2,106	2,175	2,410	2,420
West Germany	2,164	2,776	2,936	3,898	4,165	3,356	3,727	4,082	4,290	4,100
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>2,720</b>	<b>5,360</b>	<b>8,900</b>	<b>8,700</b>	<b>9,300</b>	<b>9,920</b>	<b>10,100</b>	<b>9,940</b>	<b>10,100</b>	<b>10,200</b>
USSR	1,726	3,655	6,682	6,271	6,569	6,960	7,063	7,073	7,165	7,271
Eastern Europe	<b>989</b>	<b>1,700</b>	<b>2,220</b>	<b>2,430</b>	<b>2,730</b>	<b>2,960</b>	<b>3,000</b>	<b>2,870</b>	<b>2,960</b>	<b>2,880</b>
Bulgaria	Negl.	74	193	74	113	124	58	65	70	82
Czechoslovakia	263	274	383	381	409	445	456	461	482	393
East Germany	416	537	380	433	467	509	560	525	489	500
Hungary	139	267	364	353	395	400	412	423	435	421
Poland	171	452	616	796	895	971	963	920	972	915
Romania	Negl.	101	280	397	451	512	548	476	516	574
<b>Far East</b>										
China	N.A.	5	15	75	115	205	163	245	517	1,329
<b>Other</b>										
Yugoslavia	14	254	320	354	418	425	402	427	449	599

Table 147

Thousand Units

Radio Receiver Production<sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	24,463	41,726	44,427	50,198	43,993	34,516	44,102	52,926	48,036	40,029
Canada <sup>3</sup>	696	931	2,004	2,652	2,524	1,009	837	1,152	1,049	N.A.
Japan	12,851	22,937	32,618	24,484	18,027	14,283	16,770	17,308	16,278	13,910
European Community	<b>8,560</b>	<b>11,100</b>	<b>16,400</b>	<b>14,800</b>	<b>14,000</b>	<b>10,900</b>	<b>13,000</b>	<b>14,000</b>	<b>11,900</b>	N.A.
Belgium/Luxembourg/Netherlands	1,103	1,240	1,943	1,991	2,283	1,796	1,726	1,894	1,820	N.A.
France	2,214	2,298	2,921	3,017	3,374	3,051	3,458	3,570	3,019	2,770
Italy	935	1,195	3,300	2,150	1,800	791	1,540	1,961	1,616	1,735
United Kingdom	2,504	1,912	1,313	1,376	990	684	723	892	810	N.A.
West Germany	4,313	4,071	6,729	5,953	5,340	4,415	5,443	5,589	4,468	4,441
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>6,400</b>	<b>7,570</b>	<b>10,800</b>	<b>11,900</b>	<b>12,300</b>	<b>12,500</b>	<b>13,000</b>	<b>13,400</b>	<b>13,600</b>	N.A.
USSR	4,165	5,160	7,815	8,615	8,753	8,376	8,456	8,652	8,728	8,452
Eastern Europe	<b>2,240</b>	<b>2,410</b>	<b>3,020</b>	<b>3,250</b>	<b>3,550</b>	<b>4,100</b>	<b>4,590</b>	<b>4,770</b>	<b>4,910</b>	N.A.
Bulgaria	157	130	145	71	110	228	169	147	86	N.A.
Czechoslovakia	270	298	416	226	198	183	224	217	227	N.A.
East Germany	810	808	807	979	1,016	1,071	1,122	1,126	1,103	N.A.
Hungary	212	228	206	199	205	255	250	259	264	257
Poland	627	624	987	1,150	1,422	1,651	2,038	2,291	2,569	2,663
Romania	167	323	455	623	602	712	791	730	664	757
<b>Far East</b>										
China	1,500	1,500	4,600	N.A.	N.A.	N.A.	N.A.	N.A.	11,700	13,800
<b>Other</b>										
Yugoslavia	244	504	277	104	155	140	109	187	172	135

<sup>1</sup> Civilian radio receivers and radio-phonograph combinations.<sup>2</sup> The data presented reflect the total market and include, prior to 1971, factory sales by manufacturers plus products imported directly for resale. Beginning 1971, data include products produced, imports by manufacturers for sale under their brand names, and products imported directly for resale.<sup>3</sup> Receiving sets for home use only.

Table 148

Thousand Units

Rubber Tire Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	123,059	172,532	193,971	228,535	218,203	191,999	190,898	237,049	227,818	212,227
Japan <sup>2</sup>	10,100	28,432	63,828	87,744	70,776	74,580	85,284	82,776	90,900	101,024
<b>European Community</b>										
France <sup>3</sup>	16,518	23,374	39,415	45,715	45,405	39,365	43,995	46,590	46,405	49,620
Italy <sup>2</sup>	N.A.	N.A.	22,383	28,072	27,715	25,716	28,692	53,292	52,944	53,643
United Kingdom <sup>2</sup>	15,904	23,394	30,540	30,288	27,499	26,008	29,871	28,911	26,665	26,934
West Germany <sup>2</sup>	14,745	25,566	37,548	41,328	34,608	32,016	37,596	38,232	37,524	38,533
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>25,300</b>	<b>38,700</b>	<b>52,300</b>	<b>65,500</b>	<b>71,600</b>	<b>76,900</b>	<b>80,900</b>	<b>84,900</b>	<b>87,200</b>	<b>89,100</b>
USSR	17,225	26,434	34,620	42,296	47,087	51,480	54,515	57,400	59,018	60,000
Eastern Europe	<b>8,070</b>	<b>12,300</b>	<b>17,700</b>	<b>23,200</b>	<b>24,500</b>	<b>25,400</b>	<b>26,400</b>	<b>27,500</b>	<b>28,200</b>	<b>29,090</b>
Bulgaria	204	474	919	1,494	1,578	1,736	1,738	1,830	1,734	1,752
Czechoslovakia	2,387	2,995	3,933	5,615	5,884	5,945	5,983	6,341	6,439	6,520
East Germany	2,714	3,750	4,692	5,484	5,784	6,272	6,432	6,652	6,728	6,805
Hungary	551	921	1,090	1,033	1,005	1,013	834	814	773	781
Poland	1,862	2,818	4,516	6,169	6,643	6,644	7,207	7,457	7,852	8,500
Romania	351	1,329	2,508	3,398	3,602	3,786	4,194	4,372	4,690	4,736
<b>Other</b>										
Cuba	325	197	202	372	391	368	266	N.A.	N.A.	N.A.
Yugoslavia	391	955	2,763	4,589	4,669	5,110	5,644	8,126	8,862	9,161

<sup>1</sup> Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.

<sup>2</sup> Excluding motorcycle tires.

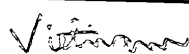
<sup>3</sup> Excluding motorcycle, tractor, and agricultural tires.

Table 149

Million Metric Tons

Cement Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>186</b>	<b>250</b>	<b>318</b>	<b>379</b>	<b>366</b>	<b>336</b>	<b>349</b>	<b>364</b>	<b>387</b>	<b>390</b>
United States	56.06	65.08	67.43	77.58	73.41	61.82	66.18	71.30	76.20	75.30
Canada	5.34	7.66	7.28	10.05	10.64	9.74	9.90	9.89	10.37	10.51
Japan	22.54	32.49	57.19	78.12	73.11	65.52	68.71	73.14	84.88	87.80
Spain	5.23	9.88	16.70	22.37	23.80	24.09	25.30	28.00	29.30	27.91
Turkey	2.04	3.24	6.37	8.95	8.93	10.86	13.15	13.85	15.34	13.79
European Community	<b>77.4</b>	<b>107</b>	<b>132</b>	<b>144</b>	<b>139</b>	<b>129</b>	<b>131</b>	<b>130</b>	<b>133</b>	<b>136</b>
Belgium	4.39	5.90	6.73	7.04	7.47	6.89	7.50	7.76	7.56	7.70
France	14.35	22.42	29.01	30.71	32.47	29.71	29.52	28.96	29.06	28.84
Italy	16.01	20.70	33.08	36.31	36.31	34.24	36.33	38.21	38.23	39.72
United Kingdom	13.50	16.98	17.17	19.99	17.78	16.89	15.78	15.46	15.91	16.14
West Germany <sup>2</sup>	24.90	34.13	38.32	41.01	35.98	33.50	34.15	32.24	33.50	35.47
<b>Other Countries</b>										
Brazil	4.74	5.87	9.00	13.40	15.19	16.39	18.68	21.13	23.24	24.65
India	7.84	10.58	13.96	15.02	14.32	16.25	18.70	19.30	19.30	18.26
Mexico	3.09	4.30	7.27	9.92	10.67	11.20	12.69	13.09	14.11	15.05
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>68.4</b>	<b>104</b>	<b>137</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>186</b>	<b>193</b>	<b>195</b>	<b>190</b>
USSR	45.52	72.39	95.25	109.52	115.14	122.06	124.25	127.06	126.96	123.00
Eastern Europe	<b>22.9</b>	<b>31.8</b>	<b>42.1</b>	<b>50.9</b>	<b>54.8</b>	<b>58.1</b>	<b>61.9</b>	<b>65.6</b>	<b>68.2</b>	<b>67.1</b>
Bulgaria	1.59	2.68	3.67	4.18	4.30	4.36	4.36	4.66	5.15	5.40
Czechoslovakia	5.05	5.71	7.40	8.38	8.97	9.30	9.55	9.75	10.20	10.26
East Germany	5.03	6.09	7.98	9.55	10.10	10.66	11.34	12.10	12.52	12.50
Hungary	1.57	2.38	2.77	3.40	3.44	3.76	4.30	4.62	4.76	4.90
Poland	6.60	9.57	12.18	15.55	16.76	18.54	19.80	21.30	21.65	19.18
Romania	3.05	5.41	8.13	9.85	11.20	11.52	12.55	13.12	13.90	14.82
<b>Far East</b>										
China	12.00	16.28	26.60	41.00	37.30	47.10	49.30	55.65	65.24	73.90
Modern Plants	9.00	10.90	15.10	20.50	16.00	19.40	19.70	20.00	23.42	24.73
Small Plants	3.00	5.38	11.50	20.50	21.30	27.70	29.60	35.65	41.82	49.17
North Korea	2.30	2.40	4.00	5.00	5.20	5.70	4.80	6.00	6.60	7.99
<b>Other</b>										
Cuba	0.80	0.80	0.74	1.76	1.81	2.08	2.50	2.65	2.71	N.A.
Yugoslavia	2.40	3.10	4.40	6.20	6.65	7.07	7.62	8.01	8.70	9.08

<sup>1</sup> All types of hydraulic cements used in construction.<sup>2</sup> Including data for West Berlin.


Thousand Cubic Meters

Table 150

Lumber Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>176,000</b>	<b>199,000</b>	<b>214,000</b>	<b>243,000</b>	<b>224,000</b>	<b>198,000</b>	<b>226,000</b>	<b>235,000</b>	<b>238,000</b>	<b>N.A.</b>
United States	77,697	84,236	81,524	91,223	82,581	75,717	86,081	89,448	88,859	87,226
Canada	18,988	25,541	26,734	36,224	32,485	27,287	36,811	41,696	44,681	N.A.
Japan	26,734	33,291	42,127	45,038	40,510	37,362	39,315	38,273	38,867	39,521
Australia	3,299	3,347	3,235	3,263	3,329	3,322	3,285	3,296	3,188	N.A.
Austria	5,004	4,534	5,326	5,735	5,639	4,940	5,987	6,246	5,974	N.A.
Finland	8,289	6,919	7,310	8,140	7,800	5,020	5,850	6,800	7,300	N.A.
Spain	1,077	1,918	2,250	2,514	2,546	2,224	2,554	2,188	2,666	N.A.
Sweden	8,620	10,266	12,246	13,718	13,576	10,890	11,298	11,150	10,877	N.A.
Turkey	736	1,355	2,307	2,447	2,423	2,460	2,944	3,142	3,150	N.A.
European Community	<b>19,600</b>	<b>21,700</b>	<b>24,100</b>	<b>26,600</b>	<b>24,800</b>	<b>21,700</b>	<b>24,200</b>	<b>25,100</b>	<b>24,400</b>	<b>N.A.</b>
France	7,454	8,049	9,263	10,521	9,916	8,271	8,787	9,079	9,025	N.A.
Italy	1,710	1,945	2,292	2,600	2,102	1,639	1,957	2,209	1,983	N.A.
West Germany	7,739	8,891	9,383	10,202	9,905	9,028	10,303	10,348	9,998	N.A.
<b>Other Countries</b>										<b>N.A.</b>
Brazil	5,700	5,661	8,035	7,109	7,642	10,128	11,243	12,643	13,337	N.A.
India	1,400	2,100	2,600	2,900	3,000	3,250	3,400	3,550	4,000	N.A.
Malaysia	1,395	1,859	3,110	4,293	4,031	3,817	5,217	5,589	5,147	N.A.
<b>Communist Countries</b>										<b>N.A.</b>
USSR and Eastern Europe	<b>124,000</b>	<b>129,000</b>	<b>136,000</b>	<b>137,000</b>	<b>135,000</b>	<b>137,000</b>	<b>133,000</b>	<b>130,000</b>	<b>127,000</b>	<b>N.A.</b>
USSR	105,600	111,000	116,400	116,200	114,700	116,200	112,600	109,500	106,300	100,000
Eastern Europe	<b>18,100</b>	<b>18,100</b>	<b>19,100</b>	<b>20,400</b>	<b>20,400</b>	<b>20,600</b>	<b>20,400</b>	<b>20,500</b>	<b>20,800</b>	<b>N.A.</b>
Bulgaria	1,136	1,190	1,323	1,493	1,462	1,432	1,465	1,590	1,499	N.A.
Czechoslovakia	3,971	3,625	3,639	4,087	4,198	4,242	4,342	4,399	4,561	4,627
East Germany	2,826	1,749	1,819	1,945	2,007	2,051	2,037	2,058	2,050	2,050
Hungary	383	457	555	702	720	693	770	687	757	735
Poland	5,882	6,051	6,471	6,943	7,118	7,541	7,515	7,538	7,507	7,000
Romania	3,928	5,004	5,305	5,253	4,846	4,660	4,311	4,262	4,465	N.A.
Other										
Yugoslavia	2,295	2,677	3,044	3,429	3,654	3,481	3,619	3,962	4,057	4,272

<sup>1</sup> Excluding railroad crosssties (sleepers).

Table 151

Thousand Metric Tons

## Newsprint Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>12,700</b>	<b>15,100</b>	<b>18,800</b>	<b>19,300</b>	<b>19,600</b>	<b>17,300</b>	<b>18,500</b>	<b>19,100</b>	<b>20,000</b>	<b>20,900</b>
United States	1,818	1,978	3,035	3,138	3,080	3,153	3,199	3,192	3,312	3,444
Australia	90	95	173	199	201	196	206	208	208	208
Canada	6,068	7,003	7,996	8,351	8,711	6,966	8,062	8,160	8,808	8,756
Finland	781	1,213	1,305	1,386	1,219	992	991	984	1,128	1,321
New Zealand	91	199	214	218	209	219	275	276	269	269
Norway	226	308	554	527	509	435	466	435	464	566
Sweden	582	679	1,030	1,076	1,223	1,213	1,136	1,111	1,259	1,483
European Community	<b>2,030</b>	<b>2,090</b>	<b>2,170</b>	<b>1,770</b>	<b>1,700</b>	<b>1,500</b>	<b>1,570</b>	<b>1,540</b>	<b>1,620</b>	<b>1,730</b>
France	551	450	430	305	276	238	258	265	286	282
Italy	259	379	311	263	273	243	264	234	263	268
United Kingdom	753	780	757	439	383	319	326	326	360	364
West Germany	230	216	408	516	522	486	501	544	524	600
<b>Other Countries</b>										
South Africa	0	54	160	217	200	210	212	254	244	244
South Korea	27	45	102	120	152	155	155	199	230	180
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>678</b>	<b>1,050</b>	<b>1,420</b>	<b>1,610</b>	<b>1,660</b>	<b>1,660</b>	<b>1,730</b>	<b>1,730</b>	<b>1,794</b>	<b>N.A.</b>
USSR	434	744	1,101	1,298	1,333	1,361	1,390	1,388	1,432	1,500
<b>Eastern Europe</b>	<b>244</b>	<b>303</b>	<b>319</b>	<b>315</b>	<b>324</b>	<b>300</b>	<b>343</b>	<b>343</b>	<b>362</b>	<b>N.A.</b>
Czechoslovakia	34	78	81	77	80	77	79	80	73	74
East Germany	89	94	97	102	105	96	104	81	100	N.A.
Poland	77	79	88	83	86	83	83	89	89	91
Romania	44	52	53	53	53	44	77	98	103	107
<b>Other</b>										
Yugoslavia	28	46	75	76	79	85	90	96	96	84



Thousand Cubic Meters

Table 152

## Plywood Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>12,400</b>	<b>19,800</b>	<b>26,200</b>	<b>32,900</b>	<b>27,700</b>	<b>25,400</b>	<b>29,100</b>	<b>30,800</b>	<b>30,500</b>	<b>N.A.</b>
United States	7,910	12,811	14,078	18,054	15,172	14,579	16,727	17,981	17,056	N.A.
Canada	1,000	1,702	1,851	2,451	2,085	2,051	2,442	2,660	2,807	N.A.
Finland	414	545	706	730	568	415	491	464	549	N.A.
Japan	1,286	2,627	6,922	8,596	7,443	6,168	7,136	7,476	8,016	N.A.
Spain	75	131	225	272	285	266	290	236	178	N.A.
European Community	<b>1,350</b>	<b>1,640</b>	<b>1,840</b>	<b>2,230</b>	<b>1,630</b>	<b>1,500</b>	<b>1,620</b>	<b>1,570</b>	<b>1,450</b>	<b>N.A.</b>
France	390	477	643	818	707	551	580	568	509	N.A.
Italy	150	300	420	650	280	400	420	380	350	N.A.
West Germany	660	670	569	542	468	400	449	443	447	N.A.
<b>Other Countries</b>										
Brazil	98	220	342	659	655	660	695	698	722	N.A.
Malaysia	2 <sup>1</sup>	28	197	375	311	404	525	565	481	N.A.
Philippines	287	257	653	705	274	423	416	489	490	N.A.
Singapore	N.A.	32	215	350	350	334	380	348	348	N.A.
South Korea	29	215	847	1,481	1,217	1,436	1,671	2,289	2,560	N.A.
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>1,690</b>	<b>2,260</b>	<b>2,600</b>	<b>2,740</b>	<b>2,780</b>	<b>2,850</b>	<b>2,860</b>	<b>2,870</b>	<b>2,820</b>	<b>N.A.</b>
USSR	1,354	1,756	2,045	2,142	2,160	2,196	2,174	2,178	2,122	2,100
Eastern Europe	<b>333</b>	<b>506</b>	<b>558</b>	<b>594</b>	<b>623</b>	<b>658</b>	<b>681</b>	<b>694</b>	<b>701</b>	<b>N.A.</b>
Bulgaria	64	81	71	70	71	65	63	64	62	58
Czechoslovakia	46	55	57	83	96	113	122	120	128	N.A.
East Germany	60	67	73	85	86	78	85	90	95	N.A.
Hungary	22	20	12	8	7	5	4	4	4	N.A.
Poland	73	83	99	99	100	128	132	132	131	N.A.
Romania	68	200	246	249	263	269	275	284	281	N.A.
<b>Other</b>										
Yugoslavia	61	111	103	95	127	126	121	133	135	140

<sup>1</sup> Including Singapore.

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**Agriculture**

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Table 153

Million Metric Tons

Total Grain Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	181.26	183.46	186.72	237.55	204.50	248.66	257.43	262.30	273.06	293.74
Australia	10.81	9.68	12.86	16.96	16.33	17.73	17.31	13.96	26.12	23.03
Canada	25.39	30.56	26.47	34.59	29.08	35.23	43.14	40.62	39.81	34.67
Japan	20.18	18.24	17.00	16.26	16.48	17.61	15.76	16.84	16.45	15.98
Spain	7.27	8.86	10.30	11.64	13.27	14.20	12.76	13.80	16.17	14.00
Turkey	12.12	12.63	15.66	15.40	16.80	21.91	24.19	20.83	20.63	19.70
European Community	<b>68.7</b>	<b>81.1</b>	<b>87.0</b>	<b>105</b>	<b>107</b>	<b>96.4</b>	<b>90.8</b>	<b>103</b>	<b>116</b>	<b>112</b>
France	23.02	29.05	31.29	42.34	40.68	35.12	32.31	39.03	45.10	42.86
Italy	11.98	14.52	16.15	15.98	16.86	17.15	16.99	14.44	17.67	17.50
United Kingdom	9.46	13.62	13.01	15.12	16.24	13.82	13.17	16.60	17.20	16.78
West Germany	15.06	13.47	16.07	19.95	21.37	20.09	18.27	20.65	23.00	22.00
<b>Other Countries</b>										
Argentina	12.57	16.54	19.66	23.57	23.32	22.79	23.94	23.07	25.35	24.74
Bangladesh	14.57	15.82	16.86	17.97	17.06	19.28	17.87	19.68	18.97	19.27
Brazil	14.61	19.66	22.78	23.62	26.35	26.22	31.23	23.86	27.16	30.16
India	78.97	73.06	101.80	108.09	99.77	117.35	113.05	128.21	132.67	113.16
Indonesia	15.35	15.42	22.15	25.18	25.97	25.21	25.68	25.82	29.80	27.12
Mexico	7.36	11.32	14.99	14.63	14.59	15.34	15.60	15.77	16.50	15.48
Pakistan	6.24	4.46	11.75	12.38	12.25	12.82	13.95	14.55	14.35	15.93
Thailand	8.38	12.26	15.47	17.37	16.16	18.36	17.89	17.25	20.06	20.04
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>173</b>	<b>174</b>	<b>242</b>	<b>296</b>	<b>271</b>	<b>213</b>	<b>302</b>	<b>273</b>	<b>319</b>	<b>254</b>
USSR <sup>2</sup>	125.56	121.06	186.80	222.53	195.71	140.12	223.75	195.70	237.18	179.00
Eastern Europe <sup>3</sup>	<b>47.2</b>	<b>53.3</b>	<b>55.1</b>	<b>73.0</b>	<b>75.8</b>	<b>73.1</b>	<b>78.0</b>	<b>77.1</b>	<b>82.2</b>	<b>75.1</b>
Bulgaria <sup>4</sup>	4.97	5.35	6.91	7.47	6.71	7.87	8.66	7.75	7.70	8.46
Czechoslovakia	4.84	5.23	7.20	9.80	10.37	9.28	9.16	10.31	10.95	9.23
East Germany	6.38	6.73	6.46	8.50	9.70	8.91	8.19	8.70	9.82	8.70
Hungary	6.90	7.41	7.62	11.66	12.44	12.19	11.32	12.28	13.25	12.06
Poland	14.30	16.01	16.25	21.80	22.98	19.56	20.86	19.42	21.54	17.34
Romania	9.83	12.60	10.64	13.81	13.55	15.27	19.79	18.61	18.98	19.28
<b>Far East</b>										
China <sup>5</sup>	140.60	194.50	242.90	265.00	274.90	284.00	286.30	282.75	304.75	332.12
North Korea	2.66	3.15	3.50	3.75	4.90	5.40	5.60	6.00	6.00	6.30
Vietnam <sup>6</sup>	N.A.	N.A.	N.A.	N.A.	12.90	11.50	13.70	13.00	11.00	13.93

189.2

Other										
Cuba <sup>7</sup>	0.41	0.08	0.31	0.26	0.33	0.36	0.35	0.35	0.36	N.A.
Yugoslavia	10.93	10.58	11.61	14.14	15.62	15.01	16.20	16.56	13.91	15.60

<sup>1</sup> Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.

<sup>2</sup> Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

<sup>3</sup> Including miscellaneous grains.

<sup>4</sup> Including pulses.

<sup>5</sup> Including soybeans, broad beans, and field peas. Tubers are included on a grain equivalent basis of 5 metric tons of tubers to 1 metric ton of grain.

<sup>6</sup> Including corn, manioc, sweet potatoes, and soybeans on a rice-equivalent basis.

<sup>7</sup> Data reflect only rice production and government collections of corn; total production of grains is somewhat higher.

*albania*

Table 154

Million Metric Tons

## Wheat Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	36.87	35.80	36.78	46.56	48.50	57.75	58.31	55.41	48.96	57.54
Australia	7.45	7.07	7.89	11.99	11.36	11.98	11.67	9.37	18.30	16.00
Canada	14.11	17.67	9.02	16.16	13.30	17.08	23.59	19.86	21.17	17.75
Spain	3.52	4.72	4.13	3.97	4.53	4.30	4.44	4.06	4.80	4.19
Turkey	7.00	7.43	10.08	10.08	8.30	11.50	13.00	13.50	13.30	12.70
European Community	27.8	35.3	34.8	41.4	45.4	38.1	39.1	38.4	47.7	44.9
France	11.01	14.76	12.92	17.79	19.14	15.01	16.12	17.35	21.06	18.70
Italy	6.79	9.78	9.69	8.92	9.70	9.61	9.11	6.22	9.19	8.80
United Kingdom	3.04	4.17	4.24	5.00	6.13	4.49	4.74	5.27	6.62	6.80
West Germany	4.82	4.22	5.66	7.13	7.76	7.01	6.70	7.24	8.12	7.97
<b>Other Countries</b>										
Argentina	4.20	6.08	4.92	6.56	5.97	8.57	11.00	5.70	8.10	7.80
India	10.32	12.26	20.09	24.74	21.78	24.10	28.85	29.01	31.75	34.98
Iran	2.60	2.90	4.26	4.60	3.90	5.00	5.50	5.00	5.30	5.00
Pakistan	3.91	4.59	7.29	7.44	7.80	7.67	8.69	9.14	8.29	9.92
<b>Communist Countries</b>										
USSR and Eastern Europe	77.2	78.1	119	136	112	90.2	126	121	151	113
USSR <sup>1</sup>	64.30	59.69	99.73	109.78	83.91	66.22	96.88	92.20	120.82	90.0
Eastern Europe	12.9	18.4	19.0	26.6	27.6	24.0	28.6	28.6	30.2	22.7
Bulgaria	2.38	2.92	3.03	3.26	3.03	3.00	3.51	3.38	3.47	3.32
Czechoslovakia	1.50	1.99	3.17	4.65	5.06	4.20	4.81	5.21	5.60	3.74
East Germany	1.46	1.80	2.13	2.86	3.15	2.74	2.71	2.91	3.15	3.00
Hungary	1.77	2.45	2.72	4.50	4.97	4.01	5.15	5.32	5.67	3.70
Poland	2.30	3.34	4.61	5.81	6.41	5.21	5.74	5.31	6.03	4.22
Romania	3.45	5.94	3.36	5.47	4.99	4.84	6.71	6.43	6.25	4.68
<b>Far East</b>										
China	N.A.	25.00	N.A.	36.00	N.A.	39.00	50.00	N.A.	N.A.	N.A.
<b>Other</b>										
Yugoslavia	3.57	3.46	3.79	4.75	6.28	4.40	5.98	5.60	5.36	4.51

<sup>1</sup> Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

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Table 155

Million Metric Tons

Coarse Grains Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	141.91	144.20	146.14	186.78	150.90	185.07	193.88	202.39	218.01	229.87
Canada	11.28	12.89	17.45	18.43	15.79	18.15	19.56	20.76	18.64	16.93
Spain	3.39	3.80	5.79	7.28	8.37	9.52	7.92	9.40	10.96	9.39
Turkey	4.95	5.05	5.34	5.07	5.47	6.84	7.36	7.08	7.04	6.69
European Community	40.2	45.2	51.3	62.3	60.8	57.2	50.3	63.5	67.1	66.3
Denmark <sup>2</sup>	3.94	5.17	5.58	6.02	6.61	5.69	5.28	6.69	6.83	7.36
France	11.90	14.20	18.28	24.48	21.52	20.07	16.13	21.56	24.00	24.14
Italy	4.57	4.23	5.64	6.02	6.11	6.53	6.57	7.50	7.52	7.69
United Kingdom	6.42	9.44	8.77	10.12	10.11	9.33	8.43	11.35	10.59	9.98
West Germany	10.25	9.25	10.41	12.82	13.61	13.07	11.56	13.42	14.88	14.03
Other Countries										
Argentina	8.22	10.30	14.34	16.75	17.03	13.87	12.63	17.49	16.94	16.62
Brazil	9.10	11.44	14.29	14.43	17.01	16.89	18.45	14.37	16.92	19.06
India	16.64	14.87	18.31	17.28	18.34	19.90	19.84	20.11	20.09	16.62
Mexico	5.84	8.96	11.91	12.09	11.33	11.83	11.77	12.97	13.76	12.85
South Africa	5.76	5.06	6.67	4.71	11.94	9.70	7.74	10.78	8.44	10.68
Communist Countries										
USSR and Eastern Europe	95.3	95.6	122	157	158	121	174	150	166	139
USSR <sup>3</sup>	61.08	60.79	85.78	110.98	109.88	71.88	124.87	101.28	114.26	86.50
Eastern Europe	34.2	34.8	35.8	46.3	48.0	48.9	49.2	48.3	51.9	52.3
Bulgaria	2.56	2.40	3.81	4.15	3.62	4.80	5.11	4.30	4.17	5.09
Czechoslovakia	3.34	3.24	4.02	5.15	5.31	5.08	4.34	5.09	5.35	5.49
East Germany <sup>3</sup>	4.92	4.93	4.32	5.64	6.55	6.17	5.48	5.78	6.67	5.70
Hungary	5.08	4.94	4.85	7.09	7.41	8.11	6.14	6.93	7.56	8.32
Poland <sup>3</sup>	12.00	12.67	11.64	15.99	16.57	14.35	15.12	14.11	15.51	13.12
Romania	6.33	6.61	7.21	8.29	8.51	10.36	13.04	12.13	12.67	14.54
Other										
Cuba <sup>3</sup>	0.10	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	N.A.
Yugoslavia	7.34	7.10	7.79	9.36	9.31	10.57	10.20	10.92	8.52	11.05

<sup>1</sup> Data are for the following products, where they are produced: barley, corn, oats, rye, and sorghum.

<sup>2</sup> Excluding corn.

<sup>3</sup> Unless otherwise indicated, data include miscellaneous grains.

<sup>4</sup> Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged

kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

<sup>3</sup> Corn only. Data reflect government collections only. Total production is somewhat higher.

Table 156

Thousand Metric Tons

Rice Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	2,477	3,460	3,801	4,208	5,098	5,811	5,243	4,500	6,087	6,332
Japan	16,072	15,511	15,861	15,187	15,365	16,456	14,716	16,368	15,736	14,957
European Community	725	607	907	1,110	1,100	1,050	935	743	998	1,040
Italy	622	509	819	1,044	1,047	1,009	907	719	956	1,009
<b>Other Countries</b>										
Bangladesh	14,522	15,767	16,733	17,881	16,947	19,162	17,644	19,467	18,468	18,769
Brazil	5,392	5,802	5,394	6,483	7,000	8,500	8,000	7,491	7,550	8,600
Burma	6,850	8,258	8,162	8,601	8,625	9,207	9,318	9,462	10,512	9,800
India	52,011	45,929	63,401	66,141	59,428	73,183	62,938	79,084	80,824	61,562
Indonesia	14,953	15,063	19,324	21,481	22,463	22,331	23,301	23,347	25,772	24,118
South Korea	4,151	4,770	5,471	5,850	6,174	6,485	7,243	8,342	7,361	7,800
Thailand	9,508	11,164	13,570	14,350	14,500	15,200	15,800	15,000	16,800	16,500
<b>Communist Countries</b>										
USSR and Eastern Europe	313	683	1,460	1,950	2,080	2,210	2,110	2,370	2,240	2,560
USSR	187	583	1,279	1,765	1,913	2,009	2,001	2,220	2,096	2,400
Eastern Europe	126	100	176	181	167	205	110	150	142	158
Bulgaria	32	33	66	62	58	68	41	68	61	50
Hungary	45	21	45	69	56	69	32	35	23	43
Romania	49	46	65	50	53	68	37	47	58	65
<b>Far East</b>										
China	N.A.	N.A.	N.A.	130,000	N.A.	N.A.	125,000	129,000	136,900	N.A.
Vietnam <sup>2</sup>	4,212	4,600	4,500	3,900	4,500	4,500	12,500	11,300	9,000	11,290
<b>Other</b>										
Cuba	306	50	291	236	309	338	335	334	344	N.A.
Yugoslavia	22	25	32	32	31	37	23	36	34	45

<sup>1</sup> Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.

<sup>2</sup> Prior to 1976, data for North Vietnam.



Table 157

Million Metric Tons

## Potato Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>97.2</b>	<b>82.4</b>	<b>84.6</b>	<b>75.7</b>	<b>79.3</b>	<b>68.0</b>	<b>68.1</b>	<b>77.5</b>	<b>76.5</b>	<b>72.1</b>
United States	11.68	13.14	14.78	13.61	15.54	14.62	16.22	16.08	16.57	15.80
Austria	3.81	2.54	2.70	2.12	2.00	1.58	1.75	1.35	1.40	1.37
Canada	2.06	2.11	2.30	2.06	2.51	2.11	2.34	2.49	2.48	2.51
Japan	3.59	4.06	3.62	3.42	2.94	3.26	3.74	3.52	3.32	3.29
Spain	4.62	4.00	5.30	5.58	5.69	5.34	5.66	5.88	5.32	5.25
European Community	<b>61.3</b>	<b>47.5</b>	<b>46.5</b>	<b>40.6</b>	<b>42.0</b>	<b>32.9</b>	<b>29.3</b>	<b>38.8</b>	<b>38.0</b>	<b>34.7</b>
France	15.89	11.07	8.90	7.54	7.50	6.86	4.33	7.80	7.46	7.08
Italy	3.82	3.55	3.67	2.95	2.90	2.90	2.94	3.08	2.80	2.70
Netherlands	3.97	3.24	5.65	5.77	6.10	4.74	4.78	5.75	6.23	6.15
United Kingdom	7.27	7.58	7.82	7.09	7.16	4.55	4.79	6.62	7.33	6.59
West Germany	24.54	18.09	16.25	13.68	14.55	10.85	9.81	11.37	10.51	8.75
<b>Other Countries</b>										
Argentina	2.07	2.49	2.34	1.54	2.17	1.35	1.53	1.77	1.59	1.70
India	2.75	3.60	3.91	4.45	4.86	6.22	7.31	7.17	8.15	10.18
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>149</b>	<b>152</b>	<b>169</b>	<b>181</b>	<b>153</b>	<b>151</b>	<b>152</b>	<b>145</b>	<b>154</b>	<b>162</b>
USSR	84.37	88.68	96.78	108.20	81.02	88.70	85.10	83.65	86.12	90.30 <sup>910</sup>
Eastern Europe	<b>64.3</b>	<b>63.4</b>	<b>72.4</b>	<b>72.6</b>	<b>72.3</b>	<b>62.0</b>	<b>67.2</b>	<b>61.3</b>	<b>67.7</b>	<b>72.1</b>
Bulgaria	0.48	0.28	0.37	0.33	0.34	0.32	0.35	0.38	0.39	0.44
Czechoslovakia	5.09	3.68	4.79	5.09	4.52	3.57	4.21	3.76	3.99	3.74
East Germany	14.82	12.86	13.05	11.40	13.40	7.67	6.82	10.31	10.78	12.54
Hungary	3.00	1.76	1.81	1.16	1.36	1.27	1.09	1.33	1.52	1.20
Poland	37.90	42.66	50.30	51.93	48.52	46.43	49.95	41.32	46.60	49.60
Romania	3.01	2.19	2.06	2.64	4.12	2.72	4.79	4.21	4.46	4.57
Other										
Cuba <sup>1</sup>	0.02	0.08	0.08	0.06	0.09	0.12	0.15	0.14	0.18	N.A.
Yugoslavia	3.27	2.38	2.96	2.97	3.13	2.39	2.83	3.03	2.50	2.69

<sup>1</sup> Data reflect government collections only; the total production is considerably higher.

75

Table 158

Thousand Metric Tons

Sugar Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	3,637	4,871	5,327	5,498	5,136	5,680	6,163	5,666	5,388	5,027
Australia <sup>3</sup>	1,441	2,073	2,507	2,583	2,439	2,930	3,395	3,452	2,978	3,058
European Community	<b>7,630</b>	<b>7,740</b>	<b>8,580</b>	<b>9,650</b>	<b>8,890</b>	<b>10,000</b>	<b>10,300</b>	<b>12,000</b>	<b>12,200</b>	<b>12,300</b>
France	2,267	2,483	2,580	2,916	2,712	2,981	2,721	3,905	3,719	3,762
Italy	998	1,242	1,199	1,194	982	1,429	1,758	1,426	1,710	1,778
United Kingdom	860	967	925	908	837	724	657	894	979	1,054
West Germany	1,877	1,634	2,100	2,459	2,506	2,571	2,844	3,200	3,119	3,086
Other Countries <sup>3</sup>										
Brazil	3,319	4,614	5,019	6,937	6,931	6,299	7,236	8,759	7,913	7,129
India	2,814	3,493	4,634	3,988	4,489	5,048	5,033	5,019	7,103	6,478
Mexico	1,530	2,120	2,402	2,810	2,838	2,636	2,710	2,790	3,131	2,905
Philippines	1,398	1,659	1,980	2,250	2,656	2,672	2,984	2,624	2,273	2,292
South Africa	952	1,014	1,649	1,953	1,970	1,968	2,113	2,369	2,287	2,200
Communist Countries										
USSR and Eastern Europe <sup>4</sup>	<b>11,100</b>	<b>16,200</b>	<b>15,300</b>	<b>16,400</b>	<b>14,700</b>	<b>16,100</b>	<b>14,600</b>	<b>18,200</b>	<b>18,400</b>	<b>16,600</b>
USSR	6,916	11,997	11,110	11,646	10,267	11,285	10,053	13,083	13,268	11,522
Eastern Europe	<b>4,210</b>	<b>4,240</b>	<b>4,160</b>	<b>4,760</b>	<b>4,420</b>	<b>4,800</b>	<b>4,580</b>	<b>5,150</b>	<b>5,090</b>	<b>5,060</b>
Bulgaria	186	342	403	407	370	343	393	391	390	390
Czechoslovakia	958	874	951	859	896	913	684	939	986	1,020
East Germany	739	618	587	704	709	793	725	758	775	754
Hungary	414	465	304	326	290	335	395	476	539	541
Poland <sup>5</sup>	1,484	1,505	1,509	1,782	1,595	1,857	1,773	1,813	1,795	1,786
Romania	425	437	410	683	561	561	610	775	603	571
Far East										
China	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,816	2,267	2,500
Other										
Cuba <sup>6</sup>	5,942	6,156	8,538	5,253	5,925	6,314	6,156	6,485	7,350	7,999
Yugoslavia	243	363	385	483	502	571	627	725	755	765

<sup>1</sup> Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 percent of raw sugar weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

<sup>2</sup> Including cane sugar; excluding data for Puerto Rico.

<sup>3</sup> Cane sugar only.

<sup>4</sup> Including raw cane sugar imported for refining.

<sup>5</sup> Beet sugar only.

<sup>6</sup> Raw cane sugar of 96° polarization. Data are for crop years ending 30 June of the stated year.

Thousand Metric Tons

Table 159

Fish Catch <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978
<b>OECD</b>									
United States	2,815	2,696	2,892	2,858	2,929	2,920	3,160	3,085	3,512
Canada	934	1,262	1,388	1,161	1,042	1,033	1,133	1,270	1,407
Iceland	593	1,199	734	902	945	996	992	1,378	1,579
Japan	6,207	6,929	9,350	10,748	10,805	10,524	10,662	10,763	10,752
Norway	1,543	2,312	2,986	2,987	2,668	2,542	3,416	3,460	2,647
Spain	970	1,355	1,542	1,578	1,510	1,518	1,475	1,394	1,380
<b>European Community</b>	<b>3,580</b>	<b>4,110</b>	<b>4,550</b>	<b>4,780</b>	<b>5,150</b>	<b>4,890</b>	<b>5,060</b>	<b>4,840</b>	<b>4,880</b>
Denmark	581	841	1,226	1,465	1,835	1,767	1,912	1,807	1,746
France	734	768	782	814	808	806	806	760	796
United Kingdom	924	1,047	1,099	1,136	1,089	980	1,040	1,006	1,040
West Germany	674	633	613	478	526	442	454	432	412
<b>Other Countries</b>									
Chile	340	708	1,228	691	1,158	930	1,409	1,349	1,698
India	1,161	1,331	1,756	1,958	2,255	2,266	2,174	2,312	2,368
Indonesia	761	1,102	1,228	1,265	1,336	1,390	1,483	1,572	1,655
Peru	3,727	7,632	12,535	2,328	4,145	3,448	4,343	2,541	3,365
Philippines	466	686	1,031	1,304	1,371	1,443	1,394	1,511	1,558
Thailand	221	627	1,444	1,679	1,516	1,553	1,660	2,190	2,264
<b>Communist Countries</b>									
<b>USSR and Eastern Europe</b>	<b>3,890</b>	<b>6,400</b>	<b>8,790</b>	<b>10,200</b>	<b>10,800</b>	<b>11,700</b>	<b>11,800</b>	<b>10,900</b>	<b>10,400</b>
USSR <sup>2</sup>	3,541	5,774	7,828	9,005	9,622	10,357	10,478	9,651	9,230
<b>Eastern Europe</b>	<b>349</b>	<b>624</b>	<b>966</b>	<b>1,160</b>	<b>1,210</b>	<b>1,330</b>	<b>1,280</b>	<b>1,240</b>	<b>1,120</b>
Bulgaria	8	17	84	96	109	151	160	138	150
Czechoslovakia	9	11	13	15	16	17	17	18	17
East Germany	114	229	319	334	326	325	279	210	201
Hungary	15	20	15	16	16	17	16	18	18
Poland	187	301	473	589	615	679	689	703	594
Romania	16	46	62	106	130	139	124	149	140
<b>Other</b>									
Cuba	31	40	106	150	165	143	194	185	213
Yugoslavia	31	42	46	51	54	57	59	61	63

<sup>1</sup> Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks but exclude aquatic mammals.

<sup>2</sup> Including aquatic mammals.

Table 160

Million Head

Cattle Numbers <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	96.24	109.00	112.37	121.54	127.79	132.03	127.98	122.81	116.38	110.86
Australia	16.50	18.82	22.16	29.10	30.84	32.79	33.43	31.53	29.38	27.11
Canada	10.39	12.13	11.63	12.73	13.21	14.01	14.05	15.71	12.87	12.33
New Zealand	5.99	6.80	8.78	9.09	9.42	9.65	9.78	9.47	9.13	8.40
Turkey <sup>2</sup>	14.30	14.41	14.37	14.08	14.26	14.41	14.80	15.16	15.55	15.96
European Community	<b>65.6</b>	<b>68.0</b>	<b>72.9</b>	<b>74.8</b>	<b>79.0</b>	<b>79.3</b>	<b>77.5</b>	<b>77.1</b>	<b>77.2</b>	<b>77.8</b>
France	18.74	20.24	21.72	22.56	23.95	24.33	23.64	23.33	23.36	23.51
Italy <sup>2</sup>	9.40	9.23	9.61	8.80	8.49	8.24	8.53	8.81	8.57	8.72
United Kingdom	11.48	11.69	12.30	13.76	14.84	14.84	13.92	13.67	13.52	13.51
West Germany	12.48	13.05	14.29	13.89	14.36	14.43	14.49	14.50	14.76	15.01
<b>Other Countries</b>										
Argentina	43.52	46.79	52.26	54.84	56.80	58.70	61.47	61.89	61.82	60.17
Brazil <sup>2</sup>	72.89	84.25	78.45	86.14	92.00	91.00	92.00	91.00	89.00	90.00
Colombia	15.00	17.00	20.20	22.10	23.03	23.22	23.82	24.34	25.22	26.14
Ethiopia	22.45	25.42	26.23	24.02	26.93	25.88	25.96	25.66	25.86	25.90
Mexico	17.41	21.08	24.88	26.83	27.51	28.40	28.90	29.30	29.70	29.30
South Africa	12.30	12.44	10.13	11.74	11.91	12.33	12.77	13.06	13.14	13.32
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>99.3</b>	<b>114</b>	<b>124</b>	<b>135</b>	<b>139</b>	<b>142</b>	<b>144</b>	<b>143</b>	<b>146</b>	<b>148</b>
USSR	74.16	87.17	95.16	104.01	106.27	109.12	111.03	110.35	112.69	114.09
Eastern Europe	<b>25.2</b>	<b>27.2</b>	<b>28.5</b>	<b>31.1</b>	<b>32.3</b>	<b>33.0</b>	<b>32.7</b>	<b>33.1</b>	<b>33.4</b>	<b>33.8</b>
Bulgaria	1.28	1.47	1.26	1.44	1.45	1.55	1.66	1.72	1.74	1.79
Czechoslovakia	4.30	4.44	4.22	4.47	4.56	4.57	4.56	4.65	4.76	4.89
East Germany <sup>3</sup>	4.46	4.68	5.17	5.38	5.48	5.58	5.53	5.47	5.55	5.57
Hungary	1.97	1.94	1.93	1.89	1.93	2.02	1.90	1.89	1.95	1.97
Poland <sup>3</sup>	8.70	9.95	10.84	12.19	13.02	13.25	12.88	13.02	13.12	13.04
Romania	4.45	4.76	5.04	5.77	5.90	5.98	6.13	6.35	6.30	6.51
<b>Other</b>										
Yugoslavia	5.25	5.16	4.98	5.31	5.62	5.81	5.69	5.58	5.50	5.49

<sup>1</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>2</sup> Including buffalo.<sup>3</sup> As of 30 June.

Table 161

Million Head

Hog Numbers <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	59.03	56.11	57.05	59.02	60.61	54.69	49.27	54.93	56.54	60.10
Canada	6.05	5.60	6.56	7.30	6.99	5.90	5.69	6.16	6.65	7.50
Japan	1.92	3.98	6.34	7.31	8.02	7.68	7.46	8.13	8.78	9.49
Spain	6.03	4.02	6.92	8.47	8.31	7.86	8.58	9.86	10.50	11.00
European Community	44.9	55.4	65.2	68.7	70.2	69.7	68.1	70.4	72.7	75.6
Denmark	6.20	8.20	8.35	8.70	8.24	8.05	7.58	7.90	8.23	9.22
France	8.36	9.04	10.46	11.39	11.42	12.03	11.45	11.51	11.55	11.29
Italy	4.15	5.41	9.22	7.99	8.20	8.81	8.89	9.10	9.42	8.92
Netherlands	2.82	3.69	5.47	6.41	6.91	7.14	7.06	7.31	8.35	9.37
United Kingdom	6.01	7.94	8.13	8.84	9.14	7.83	7.67	8.15	7.73	7.96
West Germany	14.87	18.15	19.32	20.03	20.45	20.23	19.80	20.59	21.39	22.64
Other Countries										
Brazil	46.82	58.70	35.60	41.20	43.20	35.20	36.00	36.80	37.60	36.00
Mexico	6.08	8.53	10.30	9.40	11.66	11.70	12.00	12.30	12.50	12.60
Philippines	6.57	6.94	6.46	8.63	6.71	6.60	6.49	5.70	6.91	7.23
Communist Countries										
USSR and Eastern Europe	91.9	97.2	97.4	121	128	132	115	123	132	136
USSR	53.37	52.84	56.06	66.59	70.03	72.27	57.90	63.06	70.51	73.48
Eastern Europe	38.5	44.4	41.4	54.5	58.0	59.8	56.7	59.7	62.0	62.7
Bulgaria	2.27	2.61	1.97	2.60	2.43	3.42	3.89	3.46	3.40	3.83
Czechoslovakia	5.69	6.14	5.04	6.09	6.27	6.72	6.68	6.82	7.51	7.60
East Germany <sup>2</sup>	8.28	8.76	9.24	10.36	10.85	11.52	11.50	11.29	11.76	11.73
Hungary	5.36	7.04	5.70	6.86	8.01	8.29	6.95	7.85	7.85	8.01
Poland	12.62	13.78	13.45	19.78	21.50	21.31	18.85	20.05	21.72	21.22
Romania	4.30	6.03	5.97	8.78	8.99	8.57	8.81	10.19	9.74	10.34
Far East										
China	N.A.	168.00	226.00	N.A.	287.00	N.A.	N.A.	291.78	301.29	319.70
Other										
Cuba <sup>3</sup>	N.A.	1.75	0.26	0.35	0.43	0.60	0.68	N.A.	0.70	N.A.
Yugoslavia	6.21	6.99	5.54	6.34	7.40 <sup>4</sup>	7.68	7.54	7.32	8.45	7.75

<sup>1</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>2</sup> As of 30 November of the previous year.<sup>3</sup> State sector only.<sup>4</sup> As of 15 January.*End of page*

Table 162

Thousand Metric Tons

Meat Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979 <sup>2</sup>
<b>OECD</b>										
United States	12,808	14,306	22,548	22,105	23,628	22,986	24,925	25,277	25,213	25,227
Australia	1,360	1,668	2,166	2,566	2,197	2,469	2,825	2,925	3,124	2,955
Canada	1,100	1,340	2,053	2,144	2,162	2,156	2,284	2,274	2,282	2,307
Japan	318 <sup>3</sup>	589 <sup>3</sup>	1,398	1,853	2,071	2,072	2,188	2,305	2,579	2,780
New Zealand	746	781	1,009	1,064	971	1,059	1,190	1,128	1,131	1,071
Spain	554 <sup>3</sup>	599 <sup>3</sup>	1,255	1,698	1,925	1,835	1,907	2,045	2,091	2,174
<b>European Community</b>	<b>10,200</b>	<b>11,500</b>	<b>16,100</b>	<b>16,700</b>	<b>18,400</b>	<b>18,200</b>	<b>18,500</b>	<b>18,700</b>	<b>19,200</b>	<b>20,200</b>
Denmark	760 <sup>3</sup>	901 <sup>3</sup>	1,040	1,080	1,099	1,080	1,074	1,090	1,148	1,234
France	2,646 <sup>3</sup>	2,836 <sup>3</sup>	3,814	3,952	4,349	4,357	4,535	4,399	4,547	4,866
Italy	1,011 <sup>3</sup>	1,083 <sup>3</sup>	2,054	2,217	2,693	2,360	2,485	2,922	3,024	3,086
Netherlands	674 <sup>3</sup>	772 <sup>3</sup>	1,396	1,530	1,714	1,747	1,793	1,709	1,778	1,884
United Kingdom	1,719	2,018	2,604	2,689	2,885	2,852	2,802	2,808	2,626	2,873
West Germany	2,694 <sup>3</sup>	3,074 <sup>3</sup>	3,749	3,678	3,952	3,956	4,092	4,178	4,392	4,646
<b>Other Countries</b>										
Argentina	2,277 <sup>3</sup>	2,445 <sup>3</sup>	3,188	2,752	2,804	3,103	3,473	3,555	3,800	3,789
Brazil	1,767 <sup>3</sup>	2,039 <sup>3</sup>	3,015	3,339	3,287	3,569	3,664	4,023	3,898	3,917
Mexico	586 <sup>3</sup>	750 <sup>3</sup>	1,024	1,101	1,314	1,260	1,338	1,386	1,417	1,451
<b>Communist Countries</b>										
<b>USSR and Eastern Europe <sup>4</sup></b>	<b>13,900</b>	<b>16,100</b>	<b>19,200</b>	<b>22,000</b>	<b>23,800</b>	<b>24,600</b>	<b>23,100</b>	<b>24,400</b>	<b>25,800</b>	<b>26,100</b>
USSR	8,682	9,956	12,278	13,527	14,620	14,968	13,583	14,722	15,501	15,500
<b>Eastern Europe <sup>3</sup></b>	<b>5,260</b>	<b>6,170</b>	<b>6,920</b>	<b>8,450</b>	<b>9,180</b>	<b>9,660</b>	<b>9,510</b>	<b>9,710</b>	<b>10,300</b>	<b>10,600</b>
Bulgaria	307	464	476	566	562	657	732	703	726	765
Czechoslovakia	802	978	1,098	1,242	1,307	1,349	1,322	1,383	1,529	1,547
East Germany	1,021	1,126	1,271	1,490	1,598	1,837	1,808	1,767	1,809	1,814
Hungary	816	929	1,040	1,217	1,341	1,422	1,324	1,467	1,525	1,563
Poland	1,751	2,012	2,182	2,729	3,061	3,062	2,896	2,883	3,132	3,254
Romania	561	657	857	1,203	1,307	1,328	1,426	1,503	1,533	1,676
<b>Other</b>										
Yugoslavia <sup>4</sup>	824	972	1,059	1,067	1,283	1,329	1,309	1,425	1,570	1,452

<sup>1</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, buffalo, pork, mutton, lamb, goat, and poultry where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, game, edible offal, and lard.

<sup>2</sup> Non-Communist country data include meat from animals imported for slaughter.

<sup>3</sup> Including horsemeat.

<sup>4</sup> Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition

to the meats listed in footnote 1 above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat. As a result of this broader coverage, the meat production data for the USSR and Eastern Europe are above the level attained if the coverage was limited to that shown for other countries.

<sup>5</sup> Data are not comparable with those presented in previous editions of the Handbook of Economic Statistics because of broader coverage.

Table 163

Thousand Metric Tons

Milk Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	53,702	56,324	53,268	52,386	52,414	52,312	54,554	55,655	55,160	56,074
Australia	6,355	6,969	7,712	7,167	6,957	6,670	6,421	5,933	5,642	5,816
Canada	8,385	8,328	8,272	7,667	7,626	7,744	7,685	7,743	7,615	7,675
Japan	1,887	3,221	4,760	4,908	4,868	4,961	5,262	5,735	6,125	6,490
New Zealand	5,318	6,232	5,907	5,988	5,674	5,909	6,359	6,635	6,069	6,361
European Community	<b>83,500</b>	<b>88,400</b>	<b>91,100</b>	<b>96,700</b>	<b>97,900</b>	<b>98,800</b>	<b>100,000</b>	<b>103,000</b>	<b>106,000</b>	<b>109,000</b>
Denmark	5,399	5,367	4,630	4,729	4,818	4,918	5,045	5,139	5,324	5,235
France <sup>2</sup>	22,652	26,771	27,245	29,291	30,629	30,910	30,801	31,478	31,730	32,950
Italy <sup>2</sup>	9,648	9,184	8,936	9,690	9,966	10,032	10,233	10,515	10,824	11,100
Netherlands	6,838	7,142	8,239	9,354	9,915	10,221	10,490	10,612	11,367	11,580
United Kingdom <sup>3</sup>	12,670	11,386	12,374	14,402	13,692	13,520	13,500	14,503	15,180	15,340
West Germany	19,250	21,253	21,856	21,265	21,508	21,604	22,165	22,523	23,291	23,800
<b>Other Countries</b>										
Argentina	4,530	4,667	4,196	5,221	5,980	5,646	5,625	5,303	5,331	5,220
Brazil <sup>4</sup>	5,045	6,194	7,722	7,211	8,497	8,849	9,296	9,539	10,500	10,600
India <sup>5</sup>	N.A.	N.A.	22,040	23,100	23,700	24,000	24,300	24,400	25,000	25,700
Mexico <sup>4</sup>	2,473	4,121	4,899	6,199	6,331	6,619	6,350	6,634	6,862	7,150
Spain <sup>2</sup>	N.A.	3,993	4,894	5,332	5,429	5,504	5,726	5,877	6,107	6,134
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>88,800</b>	<b>101,000</b>	<b>116,000</b>	<b>124,000</b>	<b>129,000</b>	<b>127,000</b>	<b>127,000</b>	<b>133,000</b>	<b>134,000</b>	<b>133,000</b>
USSR <sup>6</sup>	61,718	72,563	83,016	88,300	91,760	90,804	89,675	94,929	94,672	93,300
Eastern Europe	<b>27,100</b>	<b>28,700</b>	<b>32,700</b>	<b>36,100</b>	<b>37,100</b>	<b>36,700</b>	<b>37,200</b>	<b>38,400</b>	<b>39,200</b>	<b>39,200</b>
Bulgaria	745	1,000	1,252	1,345	1,411	1,436	1,458	1,525	1,600	1,698
Czechoslovakia <sup>6</sup>	3,830	3,924	4,795	5,431	5,504	5,463	5,401	5,530	5,642	5,665
East Germany <sup>7</sup>	5,730	6,371	7,091	7,738	8,076	8,095	8,092	8,100	8,225	8,100
Hungary <sup>6</sup>	1,958	1,762	1,863	1,957	2,020	1,822 <sup>8</sup>	1,931 <sup>8</sup>	2,142 <sup>8</sup>	2,266 <sup>8</sup>	2,370 <sup>8</sup>
Poland	12,501	13,345	14,950	16,245	16,668	16,377	16,521	16,908	17,122	17,019
Romania <sup>9</sup>	2,358	2,304	2,755	3,390	3,387	3,458	3,827	4,230	4,368	4,377
<b>Other</b>										
Cuba	N.A.	N.A.	475	569	594	611	630	708	716	N.A.
Yugoslavia	2,283	2,303	2,567	3,106	3,487	3,654	3,846	4,073	4,132	4,173

680

89,600 81.3

<sup>1</sup> Whole milk from cows, unless otherwise indicated.<sup>2</sup> Including milk from sheep and goats.<sup>3</sup> Total sales off-farm.<sup>4</sup> Including milk from sheep, goats, camels, and mares.<sup>5</sup> Including milk from buffaloes and goats.<sup>6</sup> Including milk sucked by young animals.<sup>7</sup> In terms of 3.5 percent butterfat content.<sup>8</sup> Excluding milk sucked by young animals.<sup>9</sup> Including milk from buffaloes.

Table 164

Thousand Metric Tons

Wool Production <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States	146.20	109.30	85.02	71.37	63.99	58.54	52.95	50.00	46.44	45.57
Australia	737.20	754.23	923.40	735.21	700.89	793.48	754.27	702.70	676.99	708.96
New Zealand	266.50	315.16	333.80	308.80	284.80	294.10	311.80	302.50	310.77	320.56
Turkey	43.50	43.00	47.15	51.74	52.40	52.32	53.92	54.50	55.02	55.22
Spain	35.10	36.40	33.81	31.76	31.62	29.15	28.56	27.80	36.72	36.98
European Community	<b>116</b>	<b>117</b>	<b>93.3</b>	<b>96.1</b>	<b>98.1</b>	<b>98.0</b>	<b>96.8</b>	<b>95.1</b>	<b>100</b>	<b>100</b>
France	29.53	25.40	20.35	21.40	21.70	21.90	22.10	22.20	22.20	22.20
Ireland	11.20	11.90	9.72	9.97	10.00	9.30	9.30	8.00	8.00	8.00
Italy	13.38	15.80	11.70	11.10	11.40	11.60	11.90	12.10	12.10	12.10
United Kingdom	54.98	58.65	46.30	48.49	49.62	49.26	47.63	46.90	50.25	50.35
<b>Other Countries</b>										
Afghanistan	N.A.	N.A.	27.00	23.10	24.00	25.00	25.40	25.80	26.50	27.00
Argentina	221.10	220.60	170.00	160.00	155.00	160.00	164.00	167.00	173.92	175.24
Brazil	24.10	35.47	31.71	35.71	34.77	34.55	30.10	30.80	34.22	35.02
Chile	23.90	25.49	25.50	17.67	18.29	18.80	19.18	22.10	22.46	23.19
India	34.11	35.02	36.00	30.10	30.50	31.00	32.10	32.70	33.18	33.66
Iran	29.60	34.30	19.60	16.50	17.30	17.50	18.00	18.30	19.82	20.17
Morocco	15.00	14.00	15.50	23.00	19.00	20.00	21.00	21.00	21.54	22.04
Pakistan	14.70	17.00	19.50	23.59	24.87	27.08	29.50	32.13	34.86	37.82
South Africa <sup>2</sup>	143.80	159.30	145.60	109.90	105.10	108.20	107.30	110.50	112.70	113.00
Uruguay	82.50	84.00	79.65	54.81	51.83	54.24	62.24	62.60	71.11	89.10
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>427</b>	<b>436</b>	<b>507</b>	<b>525</b>	<b>555</b>	<b>563</b>	<b>535</b>	<b>564</b>	<b>577</b>	<b>N.A.</b>
USSR	356.80	356.90	418.90	433.30	461.60	466.60	435.50	459.00	467.00	472.00
Eastern Europe	<b>70.5</b>	<b>78.9</b>	<b>88.1</b>	<b>91.6</b>	<b>93.9</b>	<b>96.6</b>	<b>99.0</b>	<b>105</b>	<b>110</b>	<b>N.A.</b>
Bulgaria	21.04	25.80	28.81	32.23	33.00	34.01	33.84	34.05	33.30	34.20
Czechoslovakia <sup>3</sup>	2.50	2.03	3.99	3.68	3.61	3.49	3.50	3.64	3.82	N.A.
East Germany	7.90	8.10	6.90	8.40	9.10	9.70	10.60	10.40	10.98	11.10
Hungary	8.20	10.06	9.78	7.58	8.30	8.39	8.52	9.85	10.70	11.14
Poland	9.04	7.50	8.94	8.63	9.00	9.45	10.56	12.32	13.26	13.00
Romania	21.85	25.41	29.72	31.04	30.86	31.53	32.02	34.70	37.40	N.A.
<b>Other</b>										
Yugoslavia	13.55	12.56	11.95	9.55	10.31	10.66	9.90	9.66	10.22	11.00

<sup>1</sup> Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

<sup>2</sup> Including data for Lesotho and Namibia.

<sup>3</sup> Purchases.



Table 165

Thousand Metric Tons

## Ginned Cotton Production

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>	<b>3,420</b>	<b>3,770</b>	<b>2,800</b>	<b>3,520</b>	<b>3,330</b>	<b>2,490</b>	<b>2,960</b>	<b>3,950</b>	<b>3,080</b>	<b>3,950</b>
United States	3,107	3,260	2,219	2,825	2,513	1,808	2,303	3,133	2,364	3,231
Greece	63	75	110	107	126	130	119	153	153	100
Turkey	169	325	400	513	598	480	475	575	477	499
<b>Other Countries</b>										
Argentina	124	104	85	127	171	133	170	228	177	184
Brazil	425	542	594	534	529	396	553	477	575	564
Colombia	70	65	117	134	152	121	149	140	81	113
Egypt	478	521	509	490	438	382	396	399	438	482
Guatemala	21	90	57	120	105	102	138	141	165	149
India	1,008	997	954	1,199	1,290	1,160	1,073	1,232	1,349	1,301
Iran	99	152	154	199	237	139	156	178	132	108
Mexico	457	567	312	325	484	197	227	353	340	334
Nicaragua	33	111	78	146	121	109	118	121	112	22
Pakistan	304	417	542	658	634	514	418	551	453	683
Sudan	114	164	245	236	220	108	159	198	138	163
Syria	111	180	150	156	145	158	156	151	143	126
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>1,480</b>	<b>1,940</b>	<b>2,360</b>	<b>2,620</b>	<b>2,870</b>	<b>2,690</b>	<b>2,820</b>	<b>2,980</b>	<b>2,900</b>	<b>3,120</b>
USSR	1,458	1,925	2,343	2,606	2,859	2,674	2,815	2,978	2,890	3,114
Eastern Europe <sup>1</sup>	<b>20</b>	<b>14</b>	<b>15</b>	<b>17</b>	<b>13</b>	<b>14</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
Bulgaria	20	14	15	17	12	13	5	5	5	5
Romania	N.A.	N.A.	N.A.	N.A.	1	1	Negl.	Negl.	Negl.	Negl.
Far East										
China	900	1,650	2,000	2,600	2,500	2,400	2,300	2,049	2,167	2,207
Other <sup>1</sup>										
Yugoslavia	2	2	4	3	2	2	2	1	Negl.	Negl.

<sup>1</sup> Data are for the crop year beginning 1 August of the stated year.

Table 166

Kilograms per Hectare of Arable Land <sup>1</sup>

## Mineral Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
OECD <sup>2</sup>									
United States	38.9	63.0	80.9	86.5	76.7	90.0	106.5	99.5	108.0
Australia	21.2	29.2	22.2	32.3	19.7	15.9	23.5	24.5	26.0
Canada	8.6	16.3	18.5	27.3	28.4	29.8	31.8	34.3	40.0
Japan	N.A.	332.2	372.6	407.1	374.9	319.3	430.5	428.1	448.0
Spain	31.6	38.0	59.3	72.5	72.6	69.3	82.0	68.5	79.0
Turkey	1.5	5.7	15.7	25.5	22.1	29.8	46.3	46.5	52.0
European Community									
Belgium-Luxembourg	N.A.	N.A.	564.8	609.3	574.9	540.4	517.8	532.8	537.0
Denmark	151.1	182.3	223.4	271.3	215.8	239.4	243.6	261.1	259.0
France	102.4	150.9	243.5	311.6	245.9	246.7	269.1	277.6	298.0
Ireland	124.8	172.1	365.0	462.3	340.1	410.7	489.7	619.4	678.0
Italy	51.5	70.7	89.6	115.4	103.5	121.0	105.4	140.9	176.0
Netherlands	456.1	580.8	749.3	759.0	756.5	750.7	758.0	737.3	729.0
United Kingdom	183.3	206.5	259.9	258.3	257.0	262.9	273.8	287.6	297.0
West Germany	266.2	348.8	399.6	393.6	402.0	385.5	423.1	422.0	429.0
Other Countries									
Brazil	N.A.	8.2	28.3	45.0	47.6	52.3	63.0	77.4	79.0
India	2.3	4.7	13.2	17.2	15.7	16.5	20.2	25.3	28.0
	1960	1965	1970	1973	1974	1975	1976	1977	1978
Communist Countries									
USSR and Eastern Europe									
USSR <sup>3,4</sup>	11.2	26.5	44.3	58.0	62.6	74.3	76.4	77.6	79.2
Eastern Europe <sup>2</sup>									
Bulgaria	33.8	79.1	141.1	140.6	126.4	156.5	152.0	171.9	171.0
Czechoslovakia <sup>5</sup>	91.4	166.3	240.4	276.8	279.2	314.7	319.7	310.7	333.0
East Germany	197.4	262.2	310.7	361.3	376.3	361.5	352.9	332.0	332.0
Hungary	29.5	63.3	149.7	216.4	242.8	276.3	253.7	278.7	283.0
Poland	49.0	83.1	167.8	221.3	230.7	242.4	239.0	241.0	247.0
Romania	8.1	25.4	56.5	81.9	88.0	114.0	108.8	107.1	140.0
Far East									
China <sup>3</sup>	4.6	13.7	27.5	41.5	39.4	44.7	40.3	58.9	73.0
North Korea	N.A.	81.5	165.0	216.6	284.6	N.A.	N.A.	N.A.	N.A.

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Other									
Albania	N.A.	15.3	78.8	91.4	99.8	100.6	109.1	118.3	126.0
Yugoslavia	27.9	54.8	77.0	87.3	84.3	89.6	92.2	100.9	108.0

<sup>1</sup> Land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards, unless otherwise indicated.

<sup>2</sup> Data are "fertilizer years"—in general, the year beginning 1 July.

<sup>3</sup> Including phosphate rock; excluding livestock phosphates. Data indicate the quantity supplied to agriculture.

<sup>4</sup> Arable land is total area less pasture and hayland.

<sup>5</sup> Sown area is used because of extensive multiple cropping.

Table 167

Thousand Metric Tons of N

## Nitrogen Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
<b>OECD<sup>1</sup></b>									
United States	2,749	4,832	7,379	8,297	7,809	9,445	9,659	9,040	9,655
Canada	91	218	292	513	531	556	599	706	835
Japan	753	787	872	821	691	653	702	716	723
Spain	275	385	578	728	714	722	830	788	871
Turkey	25	72	243	430	283	482	591	666	774
European Community	<b>2,450</b>	<b>3,580</b>	<b>4,940</b>	<b>5,570</b>	<b>5,410</b>	<b>5,830</b>	<b>6,090</b>	<b>6,390</b>	<b>6,890</b>
France	565	871	1,453	1,833	1,555	1,708	1,815	1,832	1,978
Italy	323	462	594	672	672	724	700	817	1,043
United Kingdom	463	690	801	874	927	1,045	1,110	1,177	1,222
West Germany	618	874	1,131	1,101	1,201	1,228	1,323	1,325	1,354
<b>Other Countries<sup>1</sup></b>									
India	296	541	1,487	1,829	1,766	1,909	2,352	2,813	2,986
Mexico	155	264	438	526	593	732	830	794	752
Pakistan	N.A.	69	252	342	363	444	511	554	684
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>
<b>Communist Countries</b>									
USSR and Eastern Europe <sup>2</sup>	<b>1,600</b>	<b>3,910</b>	<b>7,520</b>	<b>9,580</b>	<b>10,400</b>	<b>11,500</b>	<b>11,300</b>	<b>11,700</b>	<b>12,200</b>
USSR	769	2,282	4,605	6,224	6,696	7,339	7,252	7,522	7,658
Eastern Europe	<b>832</b>	<b>1,630</b>	<b>2,920</b>	<b>3,360</b>	<b>3,690</b>	<b>4,140</b>	<b>4,030</b>	<b>4,140</b>	<b>4,530</b>
Bulgaria	101	219	379	328	330	380	348	363	376
Czechoslovakia	143	263	413	449	507	532	582	601	628
East Germany	235	414	511	666	671	678	755	771	784
Hungary	75	180	391	493	551	536	522	582	570
Poland <sup>1</sup>	251	387	785	979	1,143	1,228	1,213	1,250	1,350
Romania	27	165	438	442	490	788	612	571	821
<b>Far East</b>									
China	614	1,830	3,923	5,688	5,309	6,116	5,240	7,739	9,255
North Korea	N.A.	115	270	330	395	414	N.A.	N.A.	N.A.
<b>Other</b>									
Albania	5	2	27	36	36	36	45	50	55
Yugoslavia	109	166	294	339	352	360	382	402	425

<sup>1</sup> Data are "fertilizer years"—in general, the year beginning 1 July.<sup>2</sup> Data indicate the quantity supplied to agriculture.

Table 168

Thousand Metric Tons of P<sub>2</sub>O<sub>5</sub>

## Phosphate Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
<b>OECD <sup>1</sup></b>									
United States	2,488	3,522	4,358	4,617	4,093	4,742	5,107	4,623	5,029
Australia	572	954	743	1,171	620	490	739	784	865
Canada	169	334	326	494	502	503	512	561	630
Japan	491	548	656	793	692	623	737	747	775
New Zealand	225	342	321	446	301	386	371	398	521
Spain	279	306	432	519	513	422	557	376	461
Turkey	12	69	176	280	227	389	522	614	654
<b>European Community</b>	<b>2,740</b>	<b>3,440</b>	<b>4,350</b>	<b>4,660</b>	<b>3,820</b>	<b>3,790</b>	<b>4,070</b>	<b>4,300</b>	<b>4,610</b>
France	877	1,259	1,809	2,168	1,711	1,664	1,796	1,840	1,950
Italy	379	453	518	472	368	490	483	651	812
United Kingdom	426	422	543	478	384	391	408	416	425
West Germany	652	819	913	917	877	780	887	873	906
<b>Other Countries <sup>1</sup></b>									
Brazil	77	87	377	716	912	994	1,282	1,534	1,518
India	56	134	462	650	471	467	644	773	951

**Table 168 (continued)**Thousand Metric Tons of P<sub>2</sub>O<sub>5</sub>**Phosphate Fertilizer Consumption, Nutrient Content**

	1960	1965	1970	1973	1974	1975	1976	1977	1978
<b>Communist Countries</b>									
USSR and Eastern Europe	1,800	3,380	5,150	6,160	6,870	7,590	7,800	8,120	8,400
USSR <sup>2,3</sup>	1,088	2,091	3,133	3,632	4,160	4,728	4,903	5,104	5,360
Eastern Europe <sup>1</sup>	716	1,290	2,020	2,530	2,710	2,860	2,900	3,010	3,040
Bulgaria	50	132	235	259	216	250	253	331	329
Czechoslovakia <sup>4</sup>	150	268	325	385	414	456	459	436	465
East Germany	218	313	410	431	453	441	425	427	431
Hungary	66	125	217	322	362	429	371	405	410
Poland	180	324	595	782	887	947	933	948	940
Romania	52	127	235	350	375	338	454	466	460
<b>Far East</b>									
China <sup>2</sup>	99	307	330	668	616	693	634	1,076	1,470
North Korea	N.A.	43	50	90	160	161	N.A.	N.A.	N.A.
<b>Other</b>									
Albania	2	5	18	21	24	25	22	21	24
Yugoslavia	71	151	182	193	167	197	188	205	220

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

<sup>2</sup> Data are for soluble phosphate fertilizers and for ground phosphate rock used for direct application.

<sup>3</sup> Data indicate the quantity supplied to agriculture.

<sup>4</sup> Including phosphate rock.

Thousand Metric Tons of K<sub>2</sub>O

Table 169

## Potassium Fertilizer Consumption, Nutrient Content

	1960/61	1965/66	1970/71	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79
<b>OECD<sup>1</sup></b>									
United States	1,967	2,922	3,839	4,601	4,039	4,726	5,285	5,013	5,639
Japan	600	613	610	685	722	571	691	661	723
Spain	95	92	206	274	266	258	308	247	288
European Community	<b>2,850</b>	<b>3,330</b>	<b>3,990</b>	<b>4,470</b>	<b>3,730</b>	<b>3,640</b>	<b>3,970</b>	<b>4,140</b>	<b>4,330</b>
France	750	970	1,389	1,826	1,390	1,314	1,494	1,558	1,690
Italy	104	168	225	267	231	276	252	327	384
United Kingdom	450	436	535	498	373	384	411	416	426
West Germany	1,006	1,190	1,185	1,163	1,170	1,099	1,195	1,183	1,178
<b>Other Countries<sup>1</sup></b>									
Brazil	106	100	306	528	521	511	698	927	991
India	28	90	228	360	336	278	319	483	560
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>	<b>1978</b>
<b>Communist Countries</b>									
USSR and Eastern Europe	<b>1,830</b>	<b>3,310</b>	<b>5,000</b>	<b>6,620</b>	<b>6,980</b>	<b>8,750</b>	<b>8,900</b>	<b>8,540</b>	<b>8,630</b>
USSR <sup>2</sup>	766	1,891	2,574	3,605	3,708	5,176	5,577	5,400	5,394
Eastern Europe <sup>1</sup>	<b>1,060</b>	<b>1,420</b>	<b>2,420</b>	<b>3,010</b>	<b>3,280</b>	<b>3,570</b>	<b>3,330</b>	<b>3,140</b>	<b>3,240</b>
Bulgaria	6	10	25	46	22	50	56	48	33
Czechoslovakia	217	363	489	572	628	696	634	597	656
East Germany	497	586	614	658	716	707	624	472	455
Hungary	27	53	229	387	423	553	495	524	555
Poland	313	396	1,036	1,286	1,431	1,496	1,440	1,408	1,400
Romania	3	12	28	62	56	71	78	91	137
Far East									
China	0	5	12	87	169	112	14	66	233
Other									
Albania	1	1	2	1	4	2	4	8	5
Yugoslavia	103	138	156	174	161	163	168	195	210

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

<sup>2</sup> Data indicate the quantity supplied to agriculture.

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**Transportation**

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Table 170

Billion Metric Ton-Kilometers

Railroad Freight <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	868.5	1,052.7	1,141.0	1,269.9	1,271.2	1,122.7	1,184.1	1,231.0	1,280.0	1,350.0
Canada <sup>2</sup>	95.5	127.1	158.0	183.2	195.2	191.9	193.5	200.9	206.9	224.0
Japan	53.4	57.3	63.4	58.3	52.4	47.4	46.3	41.3	41.2	43.2
European Community	<b>168</b>	<b>175</b>	<b>201</b>	<b>199</b>	<b>203</b>	<b>168</b>	<b>179</b>	<b>173</b>	<b>176</b>	<b>188</b>
France	56.9	64.6	70.4	73.9	77.0	64.0	69.9	67.6	68.7	70.7
Italy <sup>3</sup>	15.9	15.3	18.0	17.6	18.1	14.9	16.4	17.6	16.6	17.5
United Kingdom <sup>4</sup>	30.5	25.2	26.8	25.5	22.0	20.9	20.6	20.1	20.0	19.5
West Germany	52.3	57.1	71.3	67.1	69.1	55.1	59.2	55.8	57.3	65.9
<b>Other Countries</b>										
India <sup>5, 6</sup>	87.8	116.8	127.4	122.4	134.8	134.9	144.0	150.3	153.9	158.7
South Africa <sup>7</sup>	30.8	42.7	57.2	56.4	56.0	61.9	65.1	69.3	80.2	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>1,690</b>	<b>2,180</b>	<b>2,770</b>	<b>3,280</b>	<b>3,440</b>	<b>3,580</b>	<b>3,650</b>	<b>3,700</b>	<b>3,800</b>	<b>N.A.</b>
USSR	1,504.3	1,950.2	2,494.7	2,958.0	3,097.7	3,236.5	3,295.4	3,330.9	3,429.4	3,353.0
Eastern Europe	<b>183</b>	<b>230</b>	<b>278</b>	<b>318</b>	<b>338</b>	<b>347</b>	<b>355</b>	<b>364</b>	<b>372</b>	<b>N.A.</b>
Bulgaria	7.0	10.8	13.9	16.6	17.3	17.3	17.1	17.1	17.1	17.7
Czechoslovakia	43.9	53.2	55.9	59.4	61.6	62.7	64.5	64.8	65.3	66.5
East Germany	32.9	38.9	41.5	46.8	49.2	49.7	51.8	52.2	53.0	N.A.
Hungary	13.3	17.3	19.8	21.3	23.1	23.5	23.2	24.2	24.5	24.7
Poland	66.5	81.0	99.3	116.4	125.2	129.2	130.9	135.4	138.1	135.4
Romania	19.8	31.0	48.0	57.1	61.6	64.8	67.6	70.0	73.7	76.4
<b>Far East</b>										
China	241.4	201.1	290.1	347.0	358.2	417.7	408.1	455.8	533.3	558.8
North Korea	9.1	10.5	14.3	16.2	20.2	24.3	26.4	28.6	30.6	N.A.

<sup>1</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for

revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

<sup>2</sup> Including secondary or private railroads operating as common carriers.

<sup>3</sup> Excluding livestock.

<sup>4</sup> Excluding data for Northern Ireland.

<sup>5</sup> Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

<sup>6</sup> Including service traffic.

<sup>7</sup> Including Namibia.

Table 171

Million Metric Tons

Railroad Freight <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	1,180.5	1,341.7	1,426.3	1,545.5	1,544.0	1,368.5	1,440.7	1,499.2	1,556.9	1,637.3
Canada <sup>2</sup>	161.2	204.4	211.2	233.2	255.6	252.4	256.3	246.0	262.0	284.0
European Community										
France	227.0	238.7	260.0	265.0	274.0	228.0	235.0	222.0	222.0	228.0
United Kingdom <sup>3</sup>	253.1	232.2	209.0	191.0	178.0	176.0	178.0	170.0	171.0	169.0
West Germany <sup>2 4</sup>	429.2	423.1	392.6	385.7	404.2	328.7	342.3	324.0	337.3	388.0
Communist Countries										
USSR and Eastern Europe	2,820	3,520	4,140	4,720	4,930	5,080	5,140	5,240	5,310	N.A.
USSR	1,884.9	2,415.3	2,896.0	3,346.4	3,496.8	3,621.1	3,654.8	3,723.4	3,776.4	3,688.0
Eastern Europe	931	1,110	1,240	1,380	1,430	1,460	1,480	1,510	1,540	N.A.
Bulgaria	38.4	56.0	68.2	75.7	78.0	78.8	76.6	75.2	75.0	77.7
Czechoslovakia	194.1	218.5	236.9	260.6	266.4	271.4	275.5	274.3	278.5	283.5
East Germany	237.8	260.4	262.9	280.6	286.3	289.0	295.7	298.6	300.0	N.A.
Hungary <sup>5</sup>	96.0	114.8	117.4	122.6	129.8	131.7	131.5	134.5	134.9	134.0
Poland	286.9	341.3	382.3	431.5	453.0	464.2	465.2	481.1	489.4	480.0
Romania	77.5	114.4	171.3	206.0	218.1	228.3	238.0	247.9	259.6	N.A.
Far East										
China	492.0	408.0	587.0	699.0	721.0	840.0	820.0	915.0	1,070.0	1,120.0
North Korea	38.5	52.0	68.0	77.0	92.0	106.4	115.0	124.4	133.0	N.A.

<sup>1</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; 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 are in tons originated, thus giving a more realistic comparison with European methods of reporting.

<sup>2</sup> Including secondary or private railroads operating as common carriers.

<sup>3</sup> Including data for Northern Ireland.

<sup>4</sup> Including service traffic.

<sup>5</sup> Including performance of railroads owned jointly by Hungary and Austria within Hungary.

Table 172

Billion Metric Ton-Kilometers

## Motor Vehicle Freight

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	323.85	589.27	675.85	828.41	812.00	744.75	836.61	910.43	987.53	1,030.18
Japan	20.80	48.39	135.92	140.98	130.77	129.70	132.62	143.10	156.06	168.95
<b>Communist Countries <sup>2</sup></b>										
USSR and Eastern Europe	<b>119</b>	<b>175</b>	<b>278</b>	<b>359</b>	<b>395</b>	<b>433</b>	<b>461</b>	<b>487</b>	<b>517</b>	<b>N.A.</b>
USSR	98.52	143.08	220.83	283.77	312.50	337.90	355.10	373.30	396.00	418.00
Eastern Europe	<b>20.0</b>	<b>31.6</b>	<b>57.0</b>	<b>75.1</b>	<b>83.0</b>	<b>94.7</b>	<b>106</b>	<b>114</b>	<b>121</b>	<b>N.A.</b>
Bulgaria	2.04	3.82	7.90	10.08	10.78	12.39	15.00	15.50	16.16	16.08
Czechoslovakia	5.11	6.98	10.09	12.87	13.84	15.02	16.29	17.31	18.74	20.08
East Germany	5.00	7.21	12.23	14.30	15.23	16.69	18.66	20.05	21.23	N.A.
Hungary	N.A.	2.73	5.82	7.35	8.15	8.73	9.44	10.44	11.46	11.70
Poland	5.69	8.38	15.76	24.50	28.51	32.60	36.78	40.28	42.60	43.87
Romania	0.94	2.53	5.16	6.00	6.45	9.29	9.86	10.00	10.46	N.A.
<b>Far East</b>										
China	7.70	7.00	10.50	14.50	16.70	19.40	22.40	25.09	27.40	26.80

<sup>1</sup>Total traffic for all urban streets and rural roads.<sup>2</sup>Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

**Table 173**

Million Metric Tons Carried

**Motor Vehicle Freight <sup>1</sup>**

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>Communist Countries</b>										
USSR and Eastern Europe	9,920	12,900	17,800	22,300	24,100	25,900	26,900	27,800	29,000	N.A.
USSR	8,493	10,746	14,623	18,244	19,644	20,914	21,591	22,223	23,123	24,023
Eastern Europe	1,430	2,140	3,170	4,070	4,430	4,970	5,350	5,670	5,870	N.A.
Bulgaria	128	281	493	602	659	724	765	815	834	848
Czechoslovakia	428	578	703	897	919	997	1,048	1,083	1,130	1,171
East Germany	270	346	464	523	541	588	674	714	741	N.A.
Hungary	135	239	407	455	479	501	523	564	591	598
Poland	408	569	863	1,295	1,509	1,743	1,902	2,039	2,109	2,146
Romania	57	131	240	302	323	419	442	458	462	N.A.
<b>Far East</b>										
China	220	200	300	414	477	554	640	717	773	766

<sup>1</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 174

Billion Metric Ton-Kilometers

## Inland Water Freight

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	123.00	162.55	229.21	252.98	269.60	265.16	289.42	296.44	307.48	322.43
<b>European Community</b>										
France	10.77	12.51	14.18	13.79	13.74	11.90	12.16	11.27	11.59	N.A.
Netherlands	20.02	24.07	30.74	32.00	33.20	29.60	30.95	32.13	34.46	N.A.
West Germany	40.39	43.31	48.81	48.48	50.97	47.56	45.80	49.25	51.49	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	107	143	186	201	225	234	235	244	258	N.A.
USSR	99.60	133.93	173.98	189.50	212.30	221.70	222.70	230.70	243.70	232.80
Eastern Europe	7.32	9.07	11.7	11.3	13.2	12.5	12.3	13.5	14.7	N.A.
Bulgaria	0.62	1.06	1.83	1.98	2.35	2.39	2.39	2.45	2.45	2.62
Czechoslovakia	1.96	2.17	2.43	2.47	2.81	2.58	2.57	2.71	3.20	3.36
East Germany	1.90	1.86	2.11	1.69	2.05	2.02	1.64	2.22	2.27	N.A.
Hungary	1.08	1.34	1.60	1.49	1.62	1.47	1.50	1.71	1.87	N.A.
Poland	0.90	1.41	2.36	1.94	2.35	1.95	2.35	2.34	2.65	2.04
Romania	0.86	1.22	1.35	1.73	2.01	2.08	1.86	2.05	2.29	N.A.

<sup>1</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1978, coastwise and foreign trade traffic within US waters together amounted to 116 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 112 billion metric ton-kilometers of domestic trade and 61 billion metric ton-kilometers of US foreign trade.

Table 175

Million Metric Tons Carried

## Inland Water Freight

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	358.56	428.63	502.22	541.10	543.60	528.17	551.30	555.33	566.10	593.62
<b>European Community</b>										
France	68.05	89.76	110.35	108.88	109.30	94.58	93.78	91.20	91.56	N.A.
Netherlands	149.67	193.99	241.44	254.74	259.74	235.80	260.31	272.62	277.61	N.A.
West Germany	171.36	195.69	240.00	245.83	252.11	227.30	230.03	232.53	246.31	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>235</b>	<b>298</b>	<b>395</b>	<b>459</b>	<b>497</b>	<b>524</b>	<b>536</b>	<b>576</b>	<b>609</b>	<b>N.A.</b>
USSR	210.32	269.44	357.80	419.00	452.00	475.50	484.90	520.60	546.20	537.00
Eastern Europe	<b>24.9</b>	<b>28.4</b>	<b>36.8</b>	<b>39.8</b>	<b>45.2</b>	<b>48.7</b>	<b>50.6</b>	<b>55.6</b>	<b>62.3</b>	<b>N.A.</b>
Bulgaria	1.56	2.32	3.69	3.78	4.24	4.41	4.42	4.57	4.68	4.89
Czechoslovakia	3.53	4.06	4.46	4.81	4.92	5.65	5.87	6.42	7.88	8.79
East Germany	12.63	12.13	13.66	12.67	14.72	14.59	13.94	15.10	15.56	N.A.
Hungary	2.30	2.40	2.78	2.89	2.96	3.04	3.03	3.40	3.50	N.A.
Poland	2.95	4.68	8.84	10.25	12.47	14.89	16.62	19.14	22.42	23.15
Romania	1.91	2.86	3.40	5.43	5.88	6.10	6.74	6.97	8.29	N.A.

<sup>1</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic.

Table 176

Billion Metric Ton-Kilometers

Ocean Freight <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
Communist Countries										
USSR and Eastern Europe	189	503	922	1,070	1,140	1,150	1,220	1,230	1,320	N.A.
USSR <sup>2</sup>	131.5	388.8	656.1	750.7	778.1	736.2	762.1	772.6	827.6	842.3
Eastern Europe	57.7	114	266	324	358	410	455	459	492	N.A.
Bulgaria <sup>3</sup>	2.5	9.1	38.9	39.1	47.2	42.2	41.9	43.3	49.4	60.8
Czechoslovakia	7.5	8.3	10.5	12.1	14.6	12.0	12.4	13.9	14.2	N.A.
East Germany <sup>3</sup>	10.5	30.2	69.7	78.5	76.6	79.7	82.7	70.4	62.8	N.A.
Hungary <sup>4</sup>	1.3	1.7	2.7	5.1	4.7	4.0	4.2	6.0	6.6	6.8
Poland <sup>3 5</sup>	34.8	56.4	106.6	148.9	168.4	206.1	250.3	262.7	298.9	250.9
Romania	1.1	8.4	37.5	40.1	46.5	66.3	63.5	62.3	60.1	N.A.

<sup>1</sup> Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons.

<sup>2</sup> Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

<sup>3</sup> Including coastal traffic.

<sup>4</sup> Including Danube River traffic.

<sup>5</sup> Possibly excluding the performance of some ships flying the Polish flag but under control of the Chinese-Polish Shipbrokers Corporation.

Table 177

Billion Passenger-Kilometers

## Air Passengers

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>1</sup>	62.5	110.5	212.0	260.6	262.2	262.0	288.1	311.0	365.3	421.6
Canada	4.3	7.6	15.4	21.7	24.6	25.0	26.0	27.3	29.5	34.9
Japan	1.1	4.6	15.0	26.0	27.8	30.1	32.3	39.0	43.9	50.1
European Community										
France	5.2	7.5	13.6	19.7	21.7	23.3	25.2	27.3	30.2	32.8
United Kingdom	7.3	10.7	19.0	28.3	27.8	30.2	34.0	35.6	45.2	53.8
Communist Countries										
USSR	12.1	38.1	78.2	98.8	108.0	122.6	130.8	127.5	140.1	151.0

<sup>1</sup> Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.



Table 178

Million Metric Ton-Kilometers

Air Freight <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States <sup>2</sup>	1,377	3,363	7,277	8,811	8,938	8,603	9,067	9,598	10,202	10,240
Canada	66	156	425	570	614	628	682	671	730	800
Japan	24	114	426	744 <sup>3</sup>	799 <sup>3</sup>	920 <sup>3</sup>	1,103 <sup>3</sup>	1,230 <sup>4</sup>	1,440 <sup>4</sup>	1,720 <sup>4</sup>
European Community										
France	152	232	542	836	947	1,086	1,380	1,664	1,810	2,031
Netherlands	117	212	393	585	636	617	663	755	823	913
United Kingdom	181	370	617	907	977 <sup>5</sup>	933 <sup>5</sup>	1,015 <sup>5</sup>	1,148 <sup>5</sup>	1,310 <sup>5</sup>	1,390 <sup>5</sup>
West Germany	41	157	523	874	991	974	1,098	1,269	1,411	1,586
Communist Countries										
USSR	563	1,338	1,877	2,370	2,470	2,590	2,710	2,800	2,860	2,910

<sup>1</sup> Express, freight, and mail traffic.<sup>2</sup> Revenue ton-kilometers flown on scheduled service of certificated route air carriers.<sup>3</sup> Japan Air Lines data only.<sup>4</sup> Japan Air Lines and Japan-Asia Airways.<sup>5</sup> Excluding airlines based in the UK territories and dependencies.

Table 179

Units

Civil Aircraft Inventory <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
United States <sup>2</sup>										
Jet	202	725	2,136	2,145	2,078	2,114	2,139	2,168	2,344	2,486
Turboprop	230	312	374	304	266	260	245	234	302	566
USSR <sup>3</sup>										
Jet	191	227	430	784	977	1,079	1,194	1,369	1,570	1,714
Turboprop	174	555	1,238	1,363	1,434	1,477	1,512	1,567	1,593	1,610

<sup>1</sup> Data exclude light aircraft. No attempt has been made to standardize comparisons of the US and Soviet aircraft inventories in terms of capacity for passenger-cargo carrying and/or range capability.

<sup>2</sup> Including all aircraft that perform commercial for-hire operations.

<sup>3</sup> Data basically represent the inventory of Aeroflot—the Soviet civil airline.

Table 180

Billion Metric Ton-Kilometers

## Petroleum Pipelines

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
OECD										
United States	333.8	447.3	629.2	740.2	738.8	740.2	763.6	797.1	855.5	883.3
Communist Countries										
USSR and Eastern Europe	N.A.	155	300	465	560	693	829	959	1,090	N.A.
USSR	51.2	146.7	281.7	439.4	533.4	665.9	794.6	922.4	1,049.1	1,140.7
Eastern Europe	N.A.	7.9	18.1	25.7	26.3	26.7	34.3	36.9	38.9	N.A.
Czechoslovakia	N.A.	3.2	6.4	8.0	6.8	4.4	8.7	9.0	9.4	N.A.
East Germany	0	0.1	2.2	3.5	3.8	4.3	4.3	4.6	4.7	N.A.
Hungary	0.1	0.3	0.7	1.8	2.1	2.5	2.8	2.9	3.1	3.4
Poland	N.A.	3.2	7.0	9.9	11.0	12.7	14.7	16.3	16.9	16.8
Romania	1.0	1.1	1.8	2.5	2.6	2.8	3.8	4.1	4.8	N.A.

Table 181

Million Metric Tons Carried

## Petroleum Pipelines

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>1</sup>	414.7	554.9	784.6	882.7	862.5	862.9	864.2	925.3	963.3	982.6
<b>Communist Countries</b>										
USSR and Eastern Europe	N.A.	254	402	508	548	604	652	685	726	N.A.
USSR	129.9	225.7	339.9	421.4	457.2	498.3	531.7	558.9	589.0	609.0
Eastern Europe	N.A.	28.0	61.8	86.3	90.6	106	120	126	136	N.A.
Czechoslovakia	N.A.	7.0	13.4	15.7	14.7	14.9	17.2	17.7	18.6	N.A.
East Germany	0	3.8	15.4	24.5	26.8	32.1	35.3	38.1	40.2	N.A.
Hungary	1.2	3.7	6.3	9.4	10.2	13.8	15.1	13.4	15.4	17.3
Poland	N.A.	6.1	15.4	23.6	25.7	30.5	35.4	38.7	41.1	40.7
Romania	5.6	7.4	11.3	13.1	13.2	14.5	17.3	18.3	21.2	N.A.

<sup>1</sup> Data are for tons originated, thus giving a more realistic comparison with the Communist countries.

Thousand Units

Table 182

Mainline Locomotive Inventory <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978
<b>OECD</b>									
United States <sup>2</sup>	31.18	30.06	29.12	29.93	30.22	30.20	29.64	29.70	27.02
Austria	1.48	1.40	1.20	1.17	1.20	1.19	1.21	1.21	N.A.
Spain	3.64	3.38	1.70	1.34	1.24	1.14	1.17	1.19	1.20
Sweden	1.88	1.66	1.58	1.46	1.44	1.42	1.41	1.40	1.38
Switzerland	1.10	1.26	1.33	1.40	1.42	1.42	1.42	1.43	1.44
European Community	<b>43.0</b>	<b>32.4</b>	<b>24.6</b>	<b>23.8</b>	<b>23.9</b>	<b>23.6</b>	<b>23.1</b>	<b>23.0</b>	<b>23.3</b>
France	7.96	7.36	6.07	5.86	5.90	5.98	5.96	6.00	6.08
Italy	5.28	4.47	3.58	3.59	3.67	3.63	3.44	3.49	3.70
United Kingdom	16.05	8.08	4.45	3.97	3.97	3.86	3.73	3.69	3.69
West Germany	10.44	9.59	8.05	7.90	7.87	7.65	7.51	7.42	7.34
<b>Communist Countries</b>									
USSR and Eastern Europe	<b>55.8</b>	<b>49.5</b>	<b>48.9</b>	<b>50.1</b>	<b>56.9</b>	<b>59.5</b>	<b>62.1</b>	<b>64.4</b>	<b>N.A.</b>
USSR	34.00	26.90	28.90	31.00	35.36	37.13	38.99	40.76	42.59
Eastern Europe	<b>21.8</b>	<b>22.6</b>	<b>20.0</b>	<b>19.1</b>	<b>21.6</b>	<b>22.4</b>	<b>23.1</b>	<b>23.6</b>	<b>N.A.</b>
Bulgaria	0.64	0.73	0.68	0.59	0.60	0.64	0.69	0.73	0.75
Czechoslovakia	5.23	5.20	4.60	4.82	5.04	4.98	4.87	4.78	4.68
East Germany	6.00	6.00	5.00	4.54	5.56	5.92	5.91	5.89	5.90
Hungary	2.46	2.60	2.00	1.40	1.52	1.92	2.25	2.29	2.32
Poland	5.80	6.33	6.25	6.78	6.97	7.04	7.16	7.34	7.18
Romania	1.72	1.78	1.50	1.00	1.90	1.88	2.26	2.62	N.A.
Far East									
China	5.90	5.40	6.40	7.50	7.90	8.30	8.70	8.80	9.20
North Korea	0.35	0.40	0.49	0.57	0.61	0.67	0.74	N.A.	N.A.

<sup>1</sup> Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

<sup>2</sup> Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

Table 183

Thousand Units

Railroad Freight Car Inventory <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978
<b>OECD</b>									
United States <sup>2 3</sup>	1,945.7	1,806.2	1,803.7	1,743.9	1,752.4	1,755.5	1,730.5	1,697.4	1,683.4
European Community									
France	362.6	362.3	302.4	298.3	293.9	283.9	273.9	265.3	257.0
United Kingdom <sup>3 4</sup>	956.0	605.6	383.9	267.0	260.0	239.7	205.4	185.5	168.8
West Germany	309.6	329.5	321.0	332.8	336.5	335.1	337.9	338.3	333.1
<b>Communist Countries</b>									
USSR and Eastern Europe									
USSR	949.0	1,030.0	1,140.0	1,260.0	1,338.4	1,402.6	1,484.4	1,557.7	1,631.9
Eastern Europe									
Bulgaria	22.0	33.0	37.8	41.3	42.4	43.0	45.0	46.5	N.A.
Czechoslovakia	129.3	136.1	135.8	137.0	134.0	136.0	138.0	141.6	146.9
East Germany	154.3	152.0	150.0	153.0	159.0	141.8	142.7	140.0	148.0
Hungary	62.0	73.4	71.4	71.0	70.5	88.9	102.3	120.0	125.0
Poland	249.0	263.9	274.3	288.7	294.0	305.0	306.0	307.0	N.A.
Romania	55.5	68.6	86.0	95.0	98.0	95.0	109.3	121.1	N.A.
Far East									
China <sup>5</sup>	132.0	143.0	175.0	209.0	222.0	237.0	251.0	267.0	269.3
North Korea <sup>5</sup>	10.4	15.2	23.8	34.3	39.4	45.3	51.6	N.A.	N.A.

<sup>1</sup> Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.

<sup>2</sup> Units of four or more axles.

<sup>3</sup> Including secondary or private railroads operating as common carriers.

<sup>4</sup> Excluding privately owned tank cars and including data for Northern Ireland.

<sup>5</sup> The majority are four-axle units.

Table 184

Thousand Units

Civilian Truck Inventory <sup>1</sup>

	1960	1965	1970	1973	1974	1975	1976	1977	1978	1979
<b>OECD</b>										
United States <sup>2</sup>	11,329	14,035	17,843	22,204	23,502	24,612	26,583	28,312	30,130	32,105
European Community										
France <sup>3</sup>	1,598	2,134	2,678	1,920	2,030	2,078	2,201	2,336	2,453	N.A.
United Kingdom <sup>4</sup>	1,442	1,710	1,621	1,726	1,768	1,677	1,762	1,700	1,715	N.A.
West Germany <sup>5</sup>	688	975	1,141	1,283	1,288	1,281	1,292	1,326	1,368	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe	3,670	4,620	5,730	6,600	7,480	N.A.	N.A.	N.A.	N.A.	N.A.
USSR	3,140	3,900	4,700	5,400	6,200	7,000	7,770	8,400	9,120	10,000
Eastern Europe	529	715	1,030	1,200	1,280	N.A.	N.A.	N.A.	N.A.	N.A.
Bulgaria	68	95	115	130	130	N.A.	N.A.	N.A.	N.A.	N.A.
Czechoslovakia	117	140	198	226	241	261	275	290	309	N.A.
East Germany	132	166	229	270	282	301	313	333	327	N.A.
Hungary	29	43	74	87	96	109	112	122	129	N.A.
Poland	130	189	274	346	386	425	467	510	534	580
Romania	53	82	139	146	148	150	N.A.	N.A.	N.A.	N.A.
Far East										
China <sup>6</sup>	154	230	434	677	793	914	1,033	1,142	1,278	1,445
North Korea <sup>6</sup>	11	30	54	85	99	116	135	152	170	191

<sup>1</sup> Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.

<sup>2</sup> Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.

<sup>3</sup> Beginning in 1973, only trucks less than 10 years old are being counted.

<sup>4</sup> Including data for Northern Ireland. Data are as of 1 October of the stated year.

<sup>5</sup> As of 1 July of the stated year.

<sup>6</sup> Including both military and civilian trucks.

Table 185

Fishing Fleet Inventory <sup>1</sup>

	1970		1975		1976		1977		1978		1979	
	Number	Thousand GRT <sup>2</sup>	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
<b>OECD</b>												
United States	201	74	1,743	398	1,976	424	1,928	435	1,974	428	2,190	464
Japan	2,386	978	3,149	1,217	3,076	1,191	3,014	1,159	2,757	926	2,796	1,081
Norway	635	182	621	211	639	218	652	222	678	221	724	243
Spain	1,364	433	1,744	550	1,847	594	1,801	584	1,808	586	1,797	570
European Community	<b>2,140</b>	<b>760</b>	<b>2,460</b>	<b>899</b>	<b>2,420</b>	<b>850</b>	<b>2,380</b>	<b>801</b>	<b>2,250</b>	<b>749</b>	<b>2,264</b>	<b>737</b>
France	660	195	620	200	610	208	564	196	543	178	521	171
Netherlands	284	57	392	93	390	89	380	86	377	87	371	89
United Kingdom	577	235	618	236	630	231	557	198	528	182	507	170
West Germany	182	147	147	145	152	142	148	138	152	134	146	128
<b>Communist Countries</b>												
USSR and Eastern Europe	<b>3,430</b>	<b>4,440</b>	<b>4,720</b>	<b>6,560</b>	<b>4,910</b>	<b>6,900</b>	<b>5,100</b>	<b>7,170</b>	<b>4,960</b>	<b>6,990</b>	<b>5,060</b>	<b>7,150</b>
USSR	3,055	3,997	4,219	5,937	4,380	6,222	4,537	6,440	4,399	6,406	4,460	6,345
Eastern Europe	<b>373</b>	<b>445</b>	<b>498</b>	<b>626</b>	<b>532</b>	<b>682</b>	<b>563</b>	<b>728</b>	<b>561</b>	<b>580</b>	<b>598</b>	<b>808</b>
Bulgaria	17	55	34	94	36	109	40	110	34	78	40	110
East Germany	172	136	164	147	162	146	161	147	161	112	171	173
Poland	176	231	270	282	303	320	328	353	331	286	344	355
Romania	8	23	30	103	31	107	34	118	35	104	43	170
<b>Other</b>												
Cuba	167	66	181	81	188	112	195	134	201	155	203	167
Yugoslavia	3	1	3	1	2	Negl.	5	3	5	3	6	3

<sup>1</sup> Data are as of midyear.<sup>2</sup> Gross register tons; excluding ships under 100 GRT.

Table 186

Merchant Fleet Inventory <sup>1</sup>

	1965		1970		1975		1977		1978		1979	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	17,825	214,069	19,503	325,149	22,353	556,388	24,098	628,752	24,036	633,368	24,155	641,258
Non-Communist Countries	16,243	202,277	17,020	303,720	19,222	523,247	20,597	589,046	20,378	588,843	20,456	595,419
OECD	12,440	148,453	12,164	208,962	11,286	316,611	11,880	335,566	11,288	325,160	11,126	320,041
Non-European Community	7,489	90,974	7,486	128,015	7,145	196,171	7,747	214,292	7,449	207,851	7,436	206,559
United States <sup>2</sup>	2,376	28,283	1,579	21,346	857	17,694	591	17,369	590	19,492	582	19,600
Greece <sup>3</sup>	916	10,388	1,195	18,214	1,804	37,638	2,564	53,119	2,750	59,453	2,808	63,600
Japan	1,333	16,450	2,109	39,142	2,051	63,238	2,100	61,725	1,890	55,871	1,849	57,405
Norway	1,365	23,538	1,173	32,374	991	47,796	874	47,968	673	39,934	626	38,272
Sweden	443	5,643	366	6,898	324	12,723	319	11,563	266	8,831	256	6,911
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,299	22,548	1,280	24,270	1,315	20,771
European Community	4,951	57,479	4,678	80,947	4,141	120,440	4,133	121,274	3,839	117,309	3,690	113,482
France	542	6,406	457	9,007	444	17,690	430	19,992	394	20,326	364	20,770
Italy	588	6,917	625	9,803	633	16,081	668	17,607	679	18,815	672	18,335
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,546	53,877	1,407	49,922	1,356	46,168
West Germany	843	7,184	993	11,697	611	13,453	619	14,603	557	12,786	495	11,873
Other	926	10,587	831	13,375	877	18,303	870	15,195	802	15,460	803	16,316
Non-OECD Countries	3,803	53,824	4,856	94,758	7,936	206,636	8,717	253,480	9,090	263,683	9,330	275,378
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	5,070	189,830	5,056	191,653	4,937	192,744
Cyprus	21	207	217	1,933	573	4,762	522	3,463	484	3,252	432	2,826
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,473	155,030	2,369	154,745	2,271	155,342
Panama	564	7,228	629	9,140	1,556	22,112	2,075	31,337	2,203	33,656	2,234	34,576
Other Countries	1,905	15,483	2,170	22,693	3,261	47,068	3,647	63,650	4,034	72,030	4,393	82,634
Brazil	227	1,590	201	2,017	260	4,546	279	5,525	285	6,128	258	6,416
India	210	2,266	242	3,709	308	6,943	361	8,897	366	9,178	368	9,279
Malaysia/Singapore	8	19	99	643	429	8,118	637	12,334	714	12,584	699	13,038
Other	1,460	11,608	1,628	16,324	2,264	27,461	2,370	36,894	2,669	44,140	3,068	53,901
Communist Countries	1,582	11,792	2,483	21,429	3,131	33,141	3,501	39,706	3,658	44,522	3,699	45,839
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,438	27,048	2,502	29,232	2,502	29,890
USSR <sup>4</sup>	985	7,961	1,395	11,921	1,622	15,044	1,703	17,173	1,737	18,391	1,718	18,551
Eastern Europe	186	1,501	544	4,924	668	8,293	735	9,875	765	10,841	784	11,339
Bulgaria <sup>5</sup>	60	548	106	948	110	1,228	106	1,342	105	1,545	106	1,643
Czechoslovakia <sup>6</sup>	9	105	12	138	14	221	14	222	17	230	17	230
East Germany	60	550	130	1,310	146	1,729	161	1,829	151	1,822	154	1,878
Hungary	17	23	16	28	16	67	20	92	23	111	22	105



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Poland <sup>1</sup>	10	105	230	2,000	289	3,866	307	4,606	305	4,690	302	4,701
Romania	30	170	50	500	93	1,182	127	1,784	164	2,443	183	2,782
Far East	192	1,083	280	1,984	537	6,325	724	8,542	819	10,839	859	11,442
China	190	1,075	269	1,944	495	6,082	660	8,200	760	10,400	796	10,933
Other <sup>2</sup>	2	8	11	40	42	243	64	342	59	439	63	509
Other	219	1,247	264	2,600	304	3,479	339	4,116	337	4,451	338	4,507
Albania <sup>3</sup>	8	44	11	72	11	72	11	73	10	74	10	74
Cuba	31	203	53	428	64	581	81	729	76	814	73	801
Yugoslavia	180	1,000	200	2,100	229	2,826	247	3,314	251	3,563	255	3,632

<sup>1</sup> Ships of 1,000 gross register tons (GRT) or more. Data are as of the end of the year. Data for the non-Communist countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

<sup>2</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>3</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>4</sup> Excluding the Caspian Sea Fleet passenger ships and vessels subordinate to the Ministry of the Fishing Industry.

<sup>5</sup> Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

<sup>6</sup> Until March 1967, an undetermined number of Czechoslovak-flag-ships were jointly owned with China.

<sup>7</sup> Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1979, there were 9 of these ships.

<sup>8</sup> Including North Korean, Vietnamese, and Cambodian vessels.

<sup>9</sup> Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company.

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Table 187

Tanker Fleet Inventory <sup>1</sup>

	1965		1970		1975		1977		1978		1979	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	3,533	89,576	4,119	152,450	5,177	301,667	5,503	389,456	5,363	381,527	5,342	382,107
Non-Communist Countries	3,290	85,629	3,759	146,555	4,736	292,241	5,000	377,910	4,839	369,175	4,773	368,657
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,997	209,679	2,842	200,641	2,753	196,714
Non-European Community	1,403	35,335	1,544	56,404	1,814	103,736	1,945	131,082	1,843	124,270	1,782	122,956
United States <sup>2</sup>	341	7,561	294	7,739	267	9,711	261	11,950	271	14,253	274	15,108
Greece <sup>3</sup>	129	2,970	216	7,714	345	15,557	399	22,444	386	24,162	403	26,817
Japan	236	6,965	368	16,036	531	33,950	549	38,214	531	32,902	534	34,347
Norway	467	13,599	363	17,351	332	28,467	359	36,257	302	31,743	280	30,050
Sweden	73	2,098	80	2,887	79	6,524	90	8,392	71	6,368	64	4,354
Other	157	2,142	223	4,677	260	9,527	287	13,825	282	14,837	227	12,280
European Community	947	23,548	984	40,548	1,103	70,010	1,052	78,597	999	76,371	971	73,758
France	157	3,682	135	5,799	154	13,190	146	16,099	130	16,318	124	16,885
Italy	143	2,872	198	4,585	236	7,953	254	12,355	263	13,322	254	12,775
United Kingdom	441	11,562	434	20,863	459	32,869	430	35,793	408	33,541	407	30,893
West Germany	48	1,295	59	2,956	83	5,627	88	6,984	74	5,717	61	5,235
Other	158	4,137	158	6,345	171	10,371	134	7,366	124	7,473	125	7,970
Non-OECD Countries	940	26,746	1,231	49,603	1,819	118,495	2,003	168,231	1,997	168,534	2,020	171,943
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,325	134,144	1,246	132,107	1,262	134,960
Cyprus	1	13	13	214	47	860	29	336	23	385	25	263
Liberia	534	19,018	730	36,802	1,014	89,470	1,040	119,984	969	118,228	952	120,643
Panama	151	4,279	173	5,692	238	10,224	256	13,824	254	13,494	285	14,054
OPEC	38	571	42	1,315	82	4,245	154	11,460	178	12,247	188	12,154
Iraq	0	0	0	0	10	380	20	1,995	21	2,145	21	2,153
Kuwait	3	161	6	787	7	1,150	13	2,360	18	2,500	20	2,749
Libya	0	0	0	0	5	410	15	1,545	14	1,500	14	1,506
Venezuela	14	284	16	372	15	440	14	435	19	585	14	464
Other	21	126	20	156	45	1,865	92	5,125	106	5,517	119	5,282
Other Non-OPEC	216	2,865	273	5,580	438	13,696	524	22,627	573	24,180	570	24,829
Brazil	46	604	45	810	53	944	69	3,439	69	3,891	71	4,592
India	8	217	13	510	25	1,510	46	3,276	46	3,494	47	3,443
Other	162	2,044	215	4,260	360	11,242	409	15,912	458	16,795	452	16,744
Communist Countries	243	3,947	360	5,895	441	9,426	503	11,546	524	12,352	569	13,450
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	363	8,754	368	9,278	409	10,284
USSR <sup>4</sup>	184	3,125	265	4,389	280	4,796	309	6,173	315	6,591	355	7,482

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	26	451	36	719	51	2,179	54	2,581	53	2,687	54	2,802
Eastern Europe												
Bulgaria	11	160	18	267	20	472	19	567	19	567	18	549
East Germany	10	144	9	288	16	612	14	582	12	520	13	503
Poland	5	95	5	95	8	665	14	998	14	1,014	14	1,014
Romania	2	38	4	69	7	430	7	434	8	586	9	736
Far East	19	135	41	381	90	1,998	115	2,337	131	2,604	137	2,700
China	19	135	38	375	80	1,916	105	2,250	120	2,500	126	2,594
Other <sup>1</sup>	0	0	3	6	10	82	10	87	11	104	11	106
Other	12	250	18	406	20	453	25	455	25	470	23	466
Cuba	2	5	3	26	6	75	12	97	12	112	11	111
Yugoslavia	10	245	15	380	14	378	13	358	13	358	12	355

<sup>1</sup> Tankers and whaling tankers of 1,000 gross registered tons (GRT) or more. Data are as of the end of the year and include specialized oil and chemical tankers and some combination carriers (oil/dry bulk carriers). For the purposes of this table, the tonnage is converted to deadweight (DWT).

<sup>2</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>3</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>4</sup> Excluding the Caspian Sea Fleet and tankers assigned to the Ministry of the Fishing Industry.

<sup>5</sup> Including North Korean, Vietnamese, and Cambodian vessels.

Table 188

**Offloading Ports Accessible to Fully Loaded Tankers  
of 200,000 Deadweight Tons and Larger, January 1980**

Port	Largest Loaded Tanker Accommodated (Thousand DWT)	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD		OECD (continued)	
Canada	Come by Chance 500	Japan (continued)	Owase 210
	Saint John, New Brunswick 350		Wakayama 200
	Point Tupper 350	Netherlands	Rotterdam 300
France	Antifer 700	Norway	Mongstad 300
	Marseille/Fos 400		Slagenstangen (Oslo) 260
	Dunkirk 300	Portugal	Sines 300
	Le Havre 300	Spain	Bilbao 500
	Sete 275		Malaga 300
	Bordeaux 200		Tarragna 300
Greece	Aghii Theodori 250		Algeciras 250
Ireland	Bantry Bay 500		Cartagena 250
Italy	Gela 500		Castellon 200
	Genoa 500		Las Palmas (Canary Islands) 200
	Milazzo (Sicily) 330		Teneriffe (Canary Islands) 200
	Ancona 300	Sweden	Brotdjorden 350
	Falconara 300		Goteborg 350
	Ravenna 265	Turkey	Izmit 250
	Augusta (Sicily) 250	United Kingdom	Liverpool 500
	Porto Torres (Sardinia) 250		Finnart 330
	Savona 250		Milford Haven 300
	Taranto 210		Southampton 300
	Gaeta 200		Coryton 280
	Sarroch (Sardinia) 200		Humber River 210
Japan	Kagoshima 500	West Germany	Wilhelmshafen 300
	Okinawa 500	Other Countries	
	Niigata 280	Bahamas	Freeport 500
	Kashima 270	Brazil	Sao Sebastio 300
	Kawasaki 270	Chile	Quintero Bay 210
	Uhita 270	Israel	Eilat 350
	Yokaichi 270	Netherlands Antilles	Curacao 530

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Nagoya	255	bonaire	500	
Chiba	250	Aruba	500	
Oita	250	Philippines	Batangas	300
Shimizu	250	Singapore	Singapore	250
Shimotsu	250	South Africa	Durban	280
Ube	250	South Korea	Ulsan	250
Mizushima	230	Taiwan	Kaohsiung	250
Himeji	210	Trinidad	Point-a-Pierre	270
			Galeota Point	250

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2,200

Conversion Factors

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ILLEGIB

32,000 Troy

207.62 pounds = 1 mt

To Convert From	To	Multiply By
Acres	Hectares	0.4046856
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4046.856
Centimeters	Meters	0.01
Centimeters, square	Meters, square	0.0001
Degrees, Fahrenheit	Degrees, Celsius	subtract 32 and multiply by 5/9
Feet	Centimeters	30.48
Feet	Meters	0.3048
Feet	Kilometers	0.0003048
Feet, cubic	Liters	28.316847
Feet, cubic	Meters, cubic	0.028316847
Feet, square	Centimeters, square	929.0304
Feet, square	Meters, square	0.09290304
Gallons, US liquid	Liters	3.785412
Gallons, US liquid	Meters, cubic	0.003785412
Grams	Ounces, troy	0.032151
Grams	Pounds, troy	0.002679
Hectares	Kilometers, square	0.01
Hectares	Meters, square	10,000
Inches	Centimeters	2.54
Inches	Meters	0.0254
Inches, cubic	Milliliters	16.387064
Inches, cubic	Liters	0.016387064
Inches, cubic	Meters, cubic	0.000016387064
Inches, square	Centimeters, square	6.4516
Inches, square	Meters, square	0.00064516
Kilograms	Ounces, troy	32.15075
Kilograms	Pounds, troy	2.679229
Kilograms	Tons, metric	0.001
Kilometers, square	Hectares	100
Liters	Milliliters	1000
Liters	Meters, cubic	0.001
Meters	Millimeters	1000
Meters	Centimeters	100
Meters	Kilometers	0.001
Meters, cubic	Liters	1000

To Convert From	To	Multiply By
Meters, cubic	Tons, register	0.353147
Miles, nautical	Kilometers	1.852
Miles, statute	Centimeters	160934.4
Miles, statute	Meters	1609.344
Miles, statute	Kilometers	1.609344
Miles, square	Hectares	258.9998
Miles, square	Kilometers, square	2.589998
Ounces, avoirdupois	Grams	28.349523
Ounces, avoirdupois	Kilograms	0.028349523
Ounces, troy	Pounds, troy	0.083333
Ounces, troy	Grams	31.10348
Pints, liquid	Milliliters	473.176473
Pints, liquid	Liters	0.473176473
Pounds, avoirdupois	Grams	453.59237
Pounds, avoirdupois	Kilograms	0.45359237
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Pounds, troy	Ounces, troy	12
Pounds, troy	Grams	373.241722
Quarts, dry	Liters	1.101221
Quarts, dry	Dekaliters	0.1101221
Quarts, liquid	Milliliters	946.352946
Quarts, liquid	Liters	0.946352946
Quintals—	Tons, metric	0.1
Tons, long	Kilograms	1016.047
Tons, long	Tons, metric	1.016047
Tons, metric	Quintals	10
Ton-miles, long	Ton-kilometers, metric	1.635169
Ton-miles, short	Ton-kilometers, metric	1.459972
Tons, register	Meters, cubic	2.831685
Tons, short	Kilograms	907.185
Tons, short	Tons, metric	0.907185
Yards	Centimeters	91.44
Yards	Meters	0.9144
Yards, cubic	Liters	764.5549
Yards, cubic	Meters, cubic	0.7645549
Yards, square	Meters, square	0.836127