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# Handbook of Economic Statistics, 1987

A Reference Aid

CPAS 87-10001  
September 1987

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**Directorate of  
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# **Handbook of Economic Statistics, 1987**

**A Reference Aid**

*Research for this report was completed  
on 1 August 1987*

*CPAS 87-10001  
September 1987*

## Handbook of Economic Statistics, 1987

### Purpose and Scope

The *Handbook of Economic Statistics, 1987*, provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1970, 1975, 1980, and 1982-86. 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 NA (*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, 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, Albania, Cambodia, Cuba, Laos, North Korea, Vietnam, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, the United Kingdom, and West Germany. The term *developed countries* includes the European Community, Austria, Finland, Iceland, Israel, Liechtenstein, Malta, Norway, 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 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 aid data, the term *less developed countries* includes the following:

- All independent countries of Africa except the Republic of South Africa.
- All independent countries of East Asia except Japan.
- All independent countries in Latin America except Cuba.
- 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 aid conforms to that used by the Development Assistance Committee (DAC) of the OECD and other aid agencies and includes the following non-Communist countries:

- All independent countries of Africa except the Republic of South Africa.
- All countries of East Asia except Hong Kong and Japan.
- Malta, Portugal, and Spain in Europe.
- All independent countries in Latin America, except Cuba.
- 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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**Figure 1**  
**Gross National Product Per Capita, 1986 (in 1986 US \$)**

<b>More than \$10,000</b>			
Australia	Denmark	Liechtenstein	Switzerland
Austria	East Germany	Luxembourg	United Arab Emirates
Bahrain	Finland	Nauru	United Kingdom
Belgium	France	Netherlands	United States
Bermuda	Iceland	New Zealand	West Germany
Brunei	Italy	Norway	
Canada	Japan	Qatar	
Cayman Islands	Kuwait	Sweden	
<b>\$5,001 to \$10,000</b>			
American Samoa	Greece	Netherlands Antilles	Spain
Aruba	Greenland	New Caledonia	Trinidad and Tobago
Bahamas, The	Guam	Oman	USSR
Bulgaria	Hungary	Poland	Virgin Islands (US)
Cyprus	Ireland	Portugal	Yugoslavia
Czechoslovakia	Israel	Romania	
Faroe Islands	Libya	Saudi Arabia	
French Polynesia	Monaco	Singapore	
<b>\$1,001 to \$5,000</b>			
Algeria	Djibouti	Jordan	St. Christopher and Nevis
Andorra	Dominica	Macau	St. Lucia
Antigua and Barbuda	Ecuador	Malaysia	San Marino
Argentina	El Salvador	Malta	Seychelles
Barbados	Falkland Islands	Martinique	South Africa
Belize	Fiji	Mexico	South Korea
Brazil	French Guiana	Mongolia	Suriname
British Virgin Islands	Gabon	Montserrat	Syria
Chile	Gibraltar	Nicaragua	Tonga
China-Taiwan	Grenada	Niue	Tunisia
Colombia	Guadeloupe	North Korea	Turkey
Congo	Guatemala	Panama	Turks and Caicos Islands
Cook Islands	Hong Kong	Peru	Uruguay
Costa Rica	Iran	Puerto Rico	Venezuela
Cuba	Iraq	Reunion	
<b>\$401 to \$1,000</b>			
Albania	Ivory Coast	Nigeria	Tokelau
Anguilla	Jamaica	Papua New Guinea	Tuvalu
Bolivia	Kiribati	Paraguay	Vanuatu
Botswana	Lebanon	Philippines	Wallis and Futuna
Cameroon	Lesotho	St. Vincent and the Grenadines	Western Samoa
Dominican Republic	Liberia	Senegal	Yemen Arab Republic
Egypt	Maldives	Solomon Islands	Yemen, People's Democratic Republic of
Equatorial Guinea	Mauritania	Sri Lanka	Zambia
Guyana	Mauritius	Swaziland	
Honduras	Morocco	Thailand	
Indonesia	Namibia		
<b>Less than \$401</b>			
Afghanistan	Chad	Laos	Somalia
Angola	China-Mainland	Madagascar	Sudan
Bangladesh	Comoros	Malawi	Tanzania
Benin	Ethiopia	Mali	Togo
Bhutan	Gambia, The	Mozambique	Uganda
Burkina	Ghana	Nepal	Vietnam
Burma	Guinea	Niger	Western Sahara
Burundi	Guinea-Bissau	Pakistan	Zaire
Cambodia	Haiti	Rwanda	Zimbabwe
Cape Verde	India	Sao Tome and Principe	
Central African Republic	Kenya	Sierra Leone	








The United States Government has not recognized the incorporation of Estonia, Latvia, and Lithuania into the Soviet Union. Other boundary representation is not necessarily authoritative.



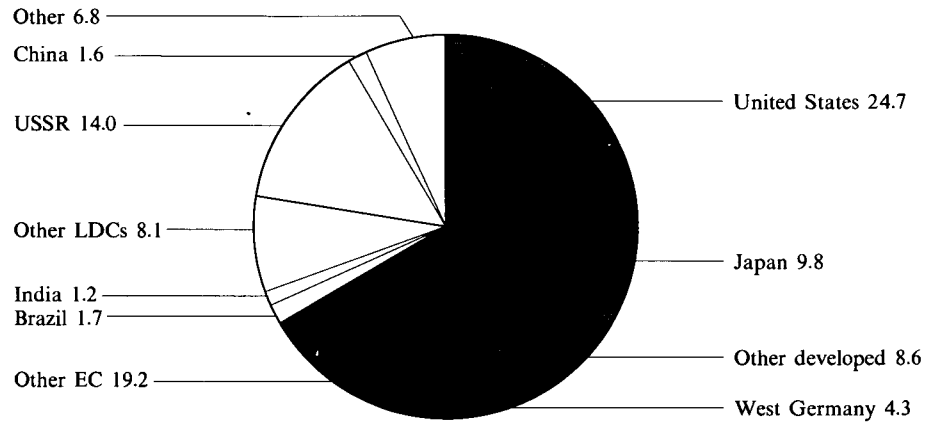
**Figure 2**  
**World Gross National Product and Population, 1986**

Percent

-  Developed non-Communist countries
-  Less developed non-Communist countries
-  Communist countries

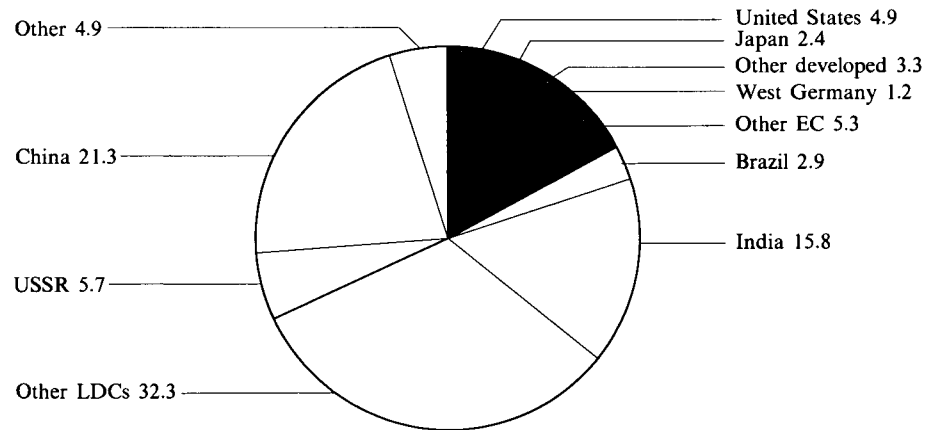
**GNP**

16,800 billion 1986 US \$

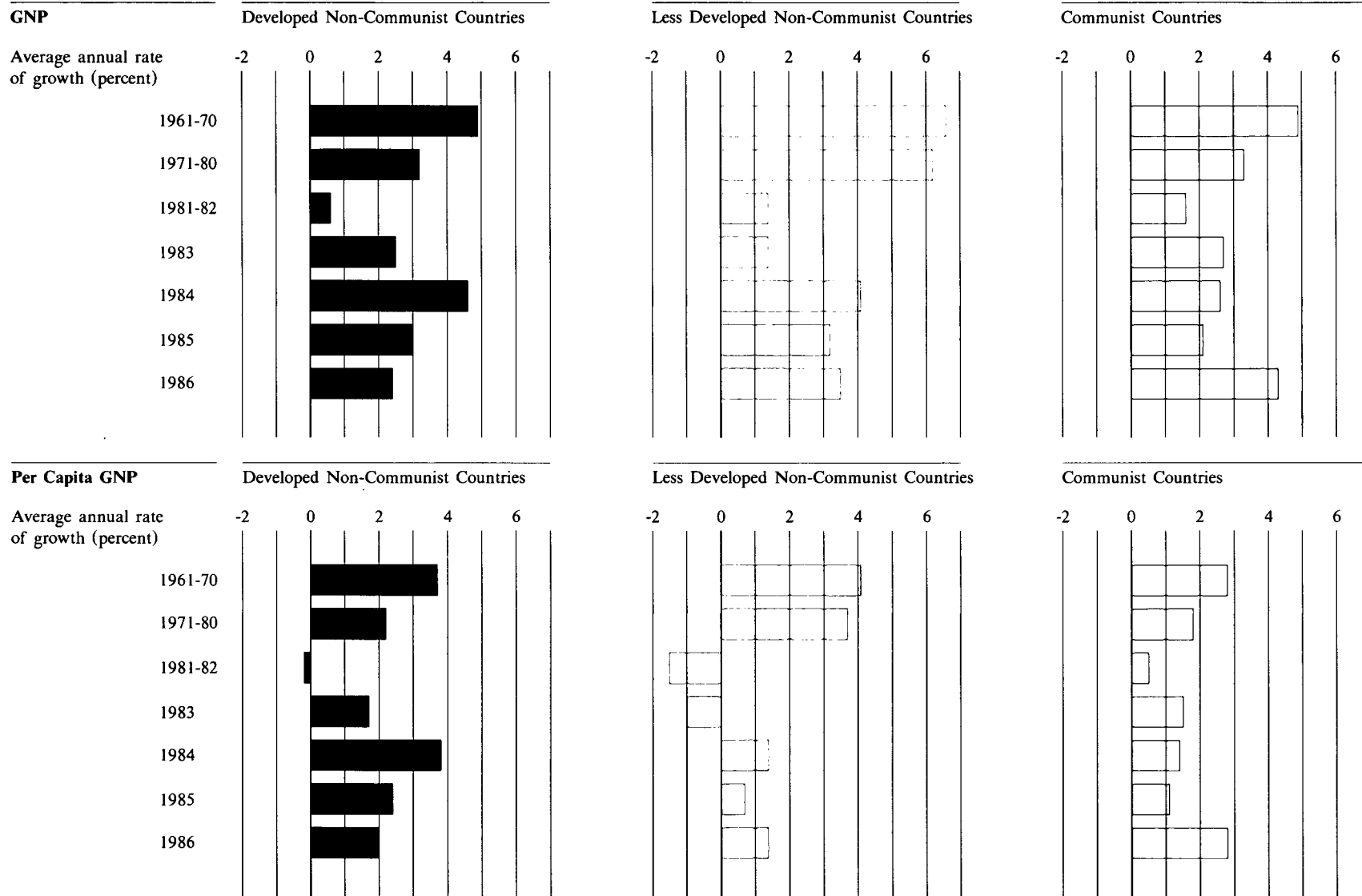


**Population**

5.0 billion persons

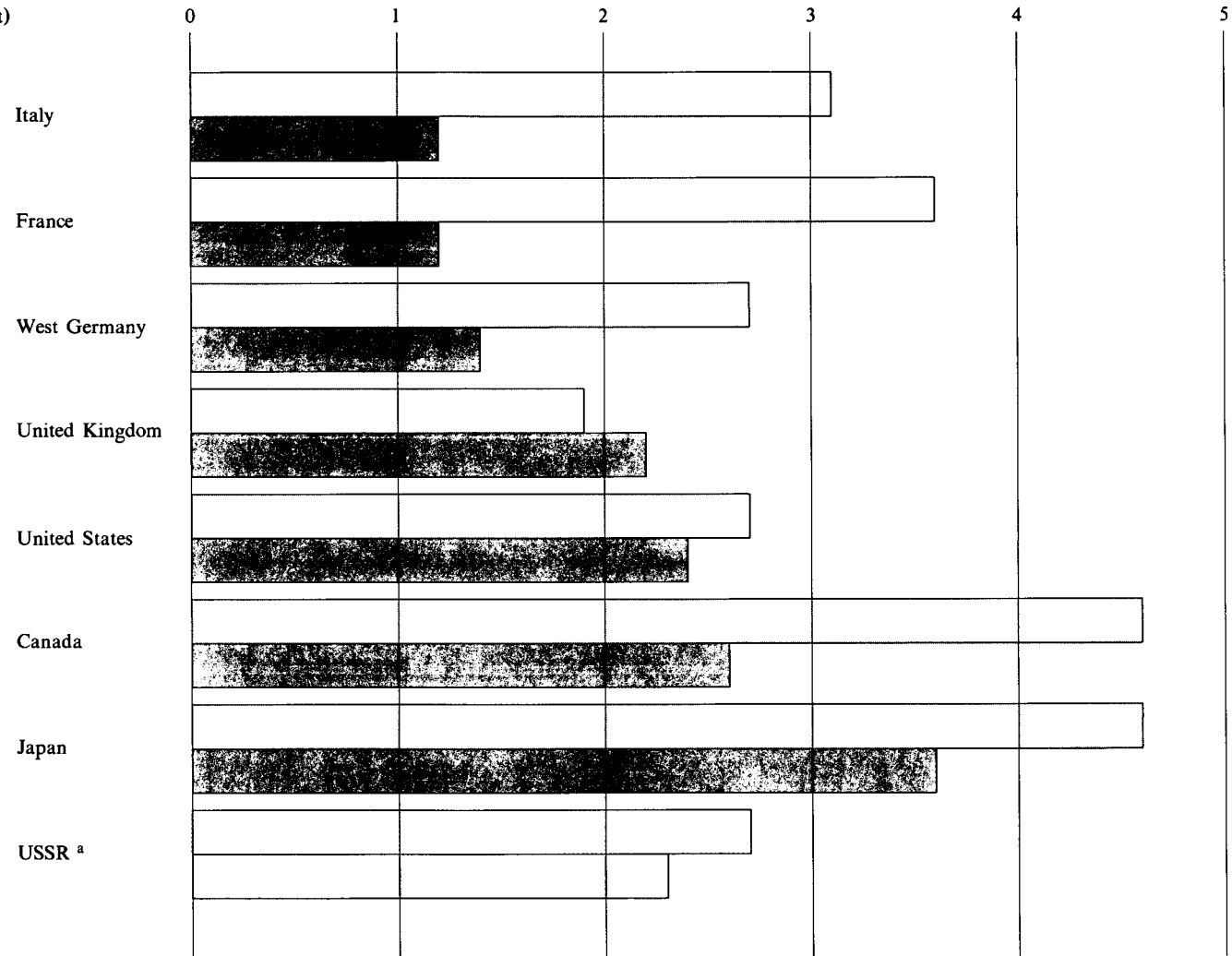
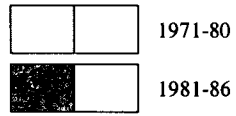


**Figure 3**  
**Real Gross National Product Trends**



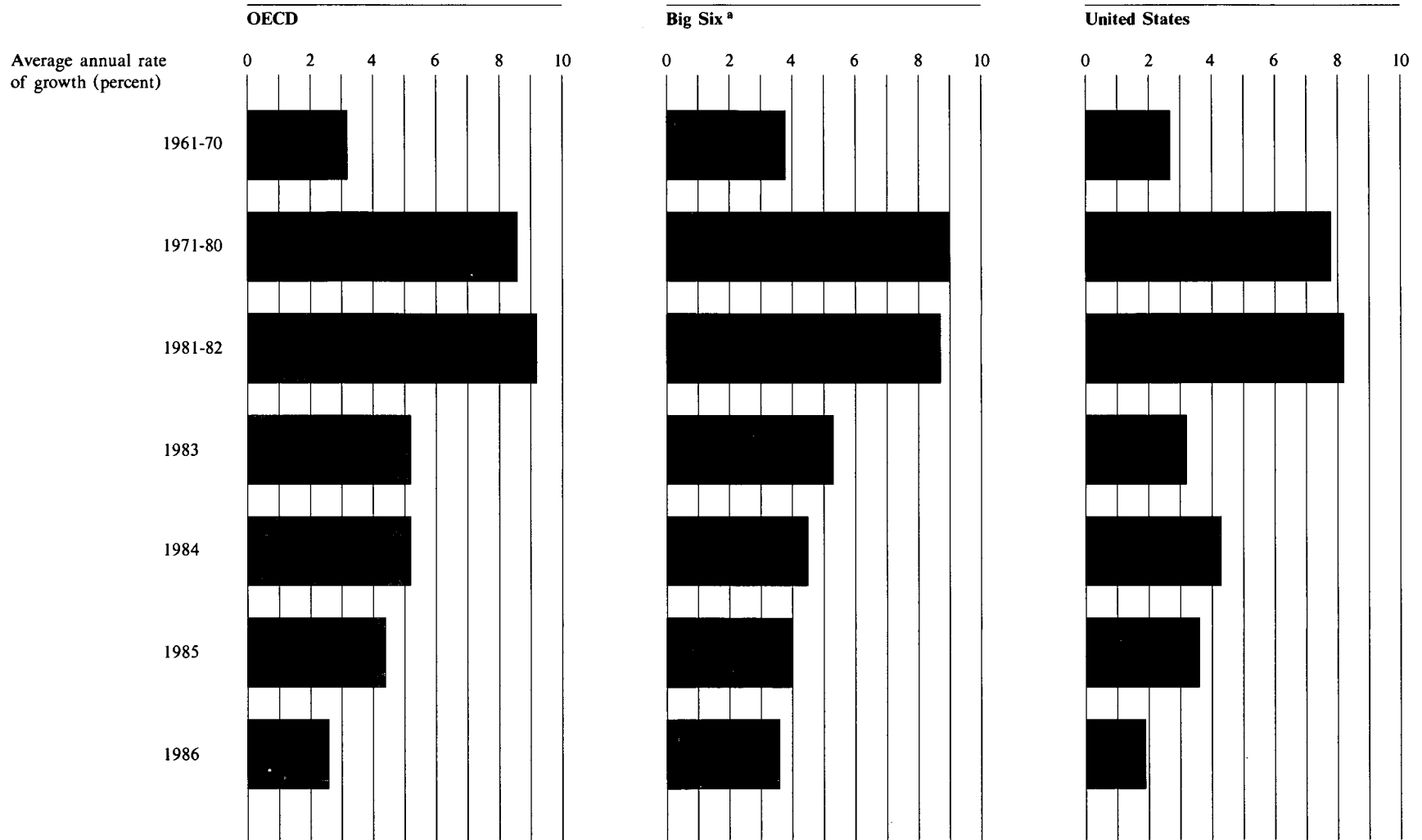
**Figure 4**  
**Real Gross National Product Comparisons**

Average annual rate of growth (percent)



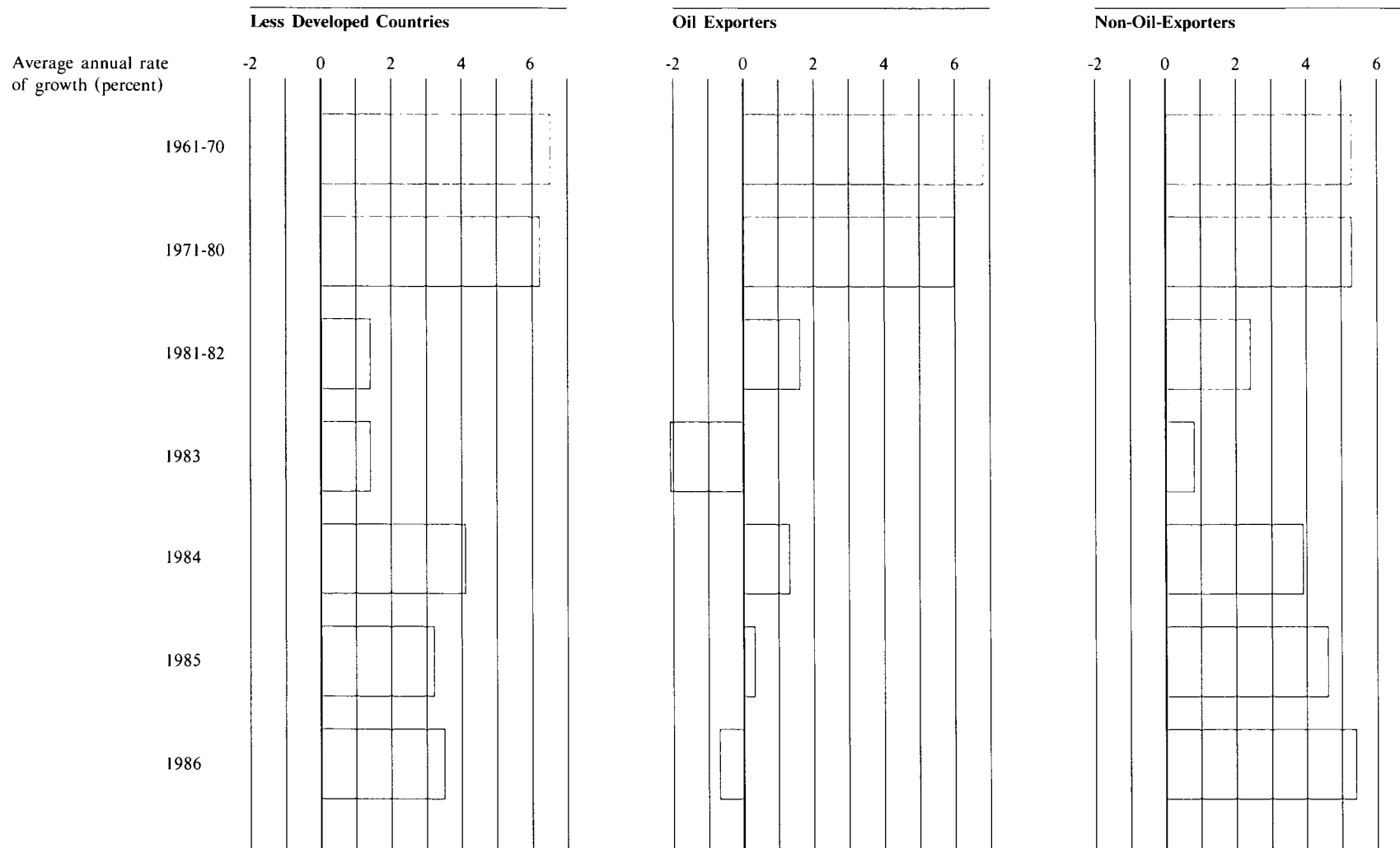
<sup>a</sup> Growth at factor cost.

**Figure 5**  
**Developed Countries: Aggregate Inflation Rate Trends**

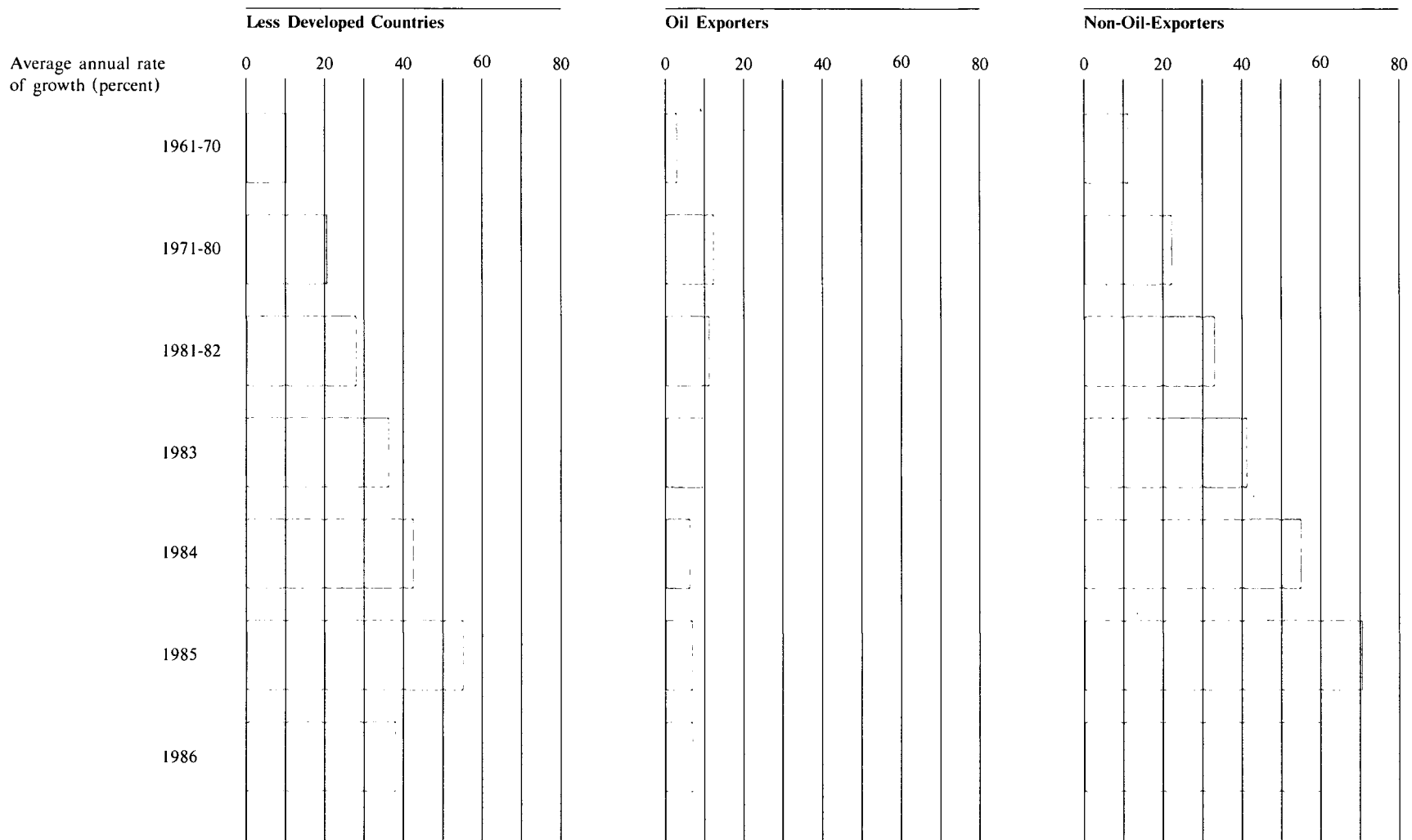


<sup>a</sup> Japan, West Germany, France, United Kingdom, Italy, and Canada.

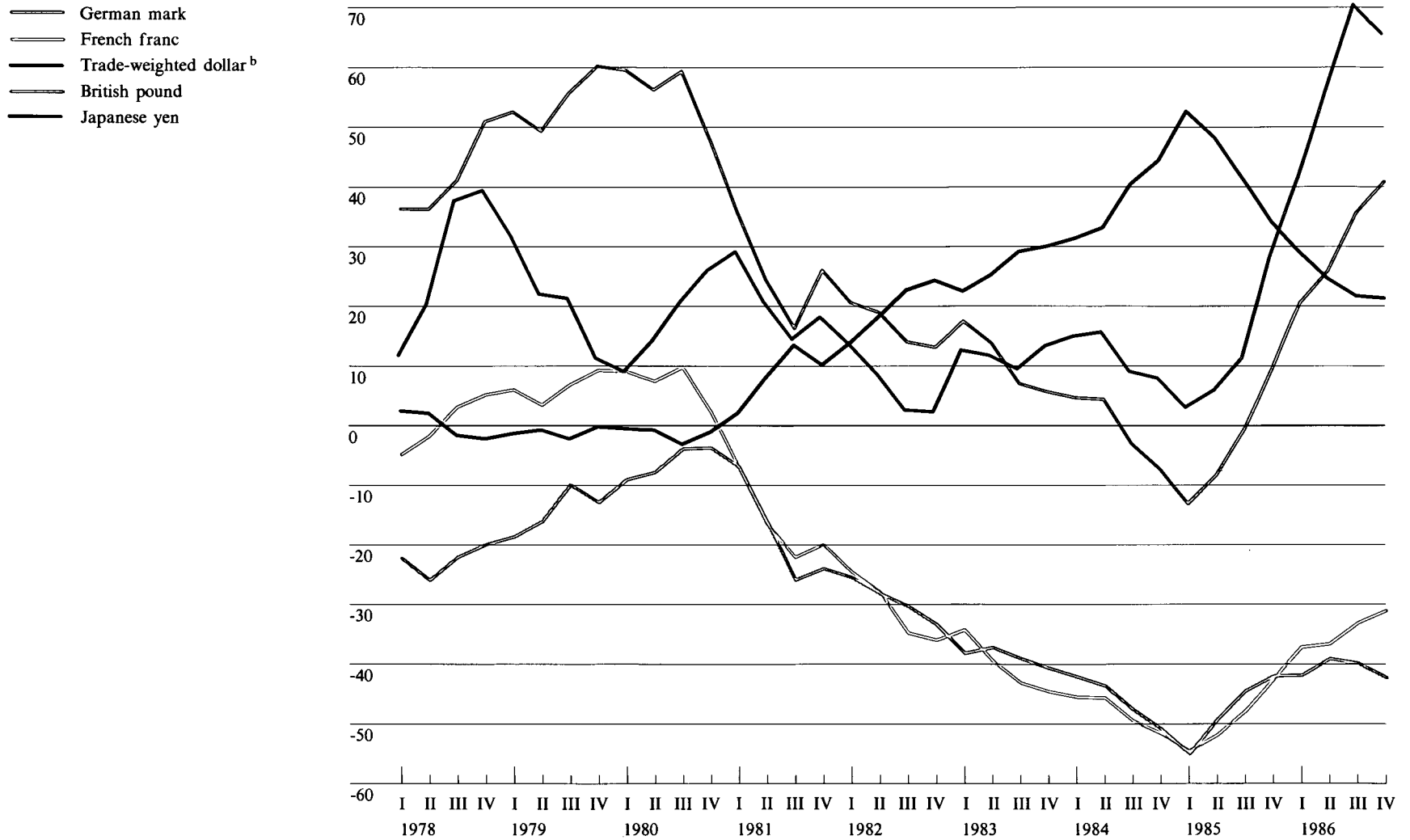
**Figure 6**  
**Less Developed Countries: Aggregate Real GNP Growth Rates**



**Figure 7**  
**Less Developed Countries: Aggregate Inflation Rate Trends**



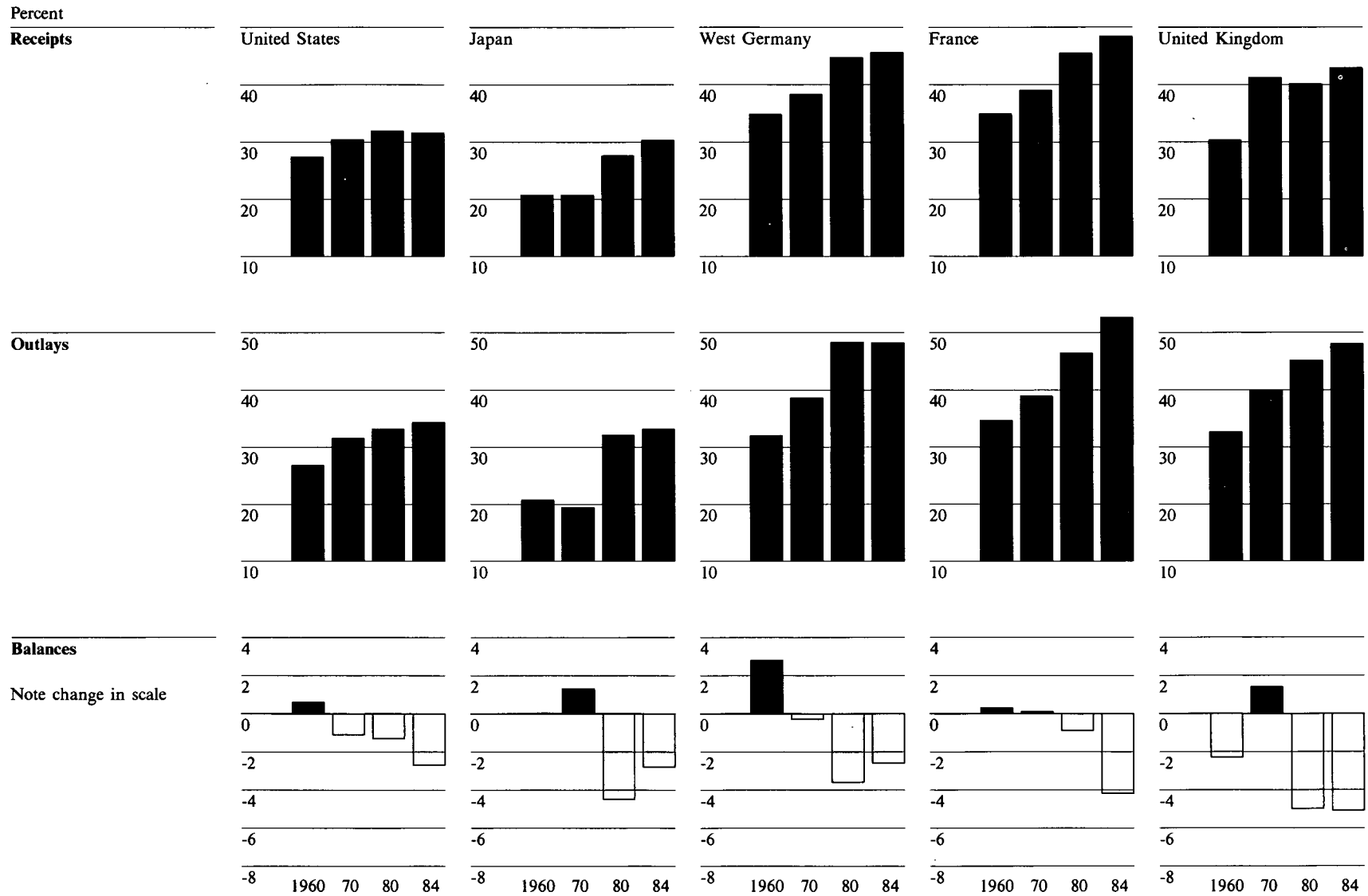
**Figure 8**  
**Percent Change in the Value of Selected Foreign Currencies Relative to the US Dollar<sup>a</sup>**



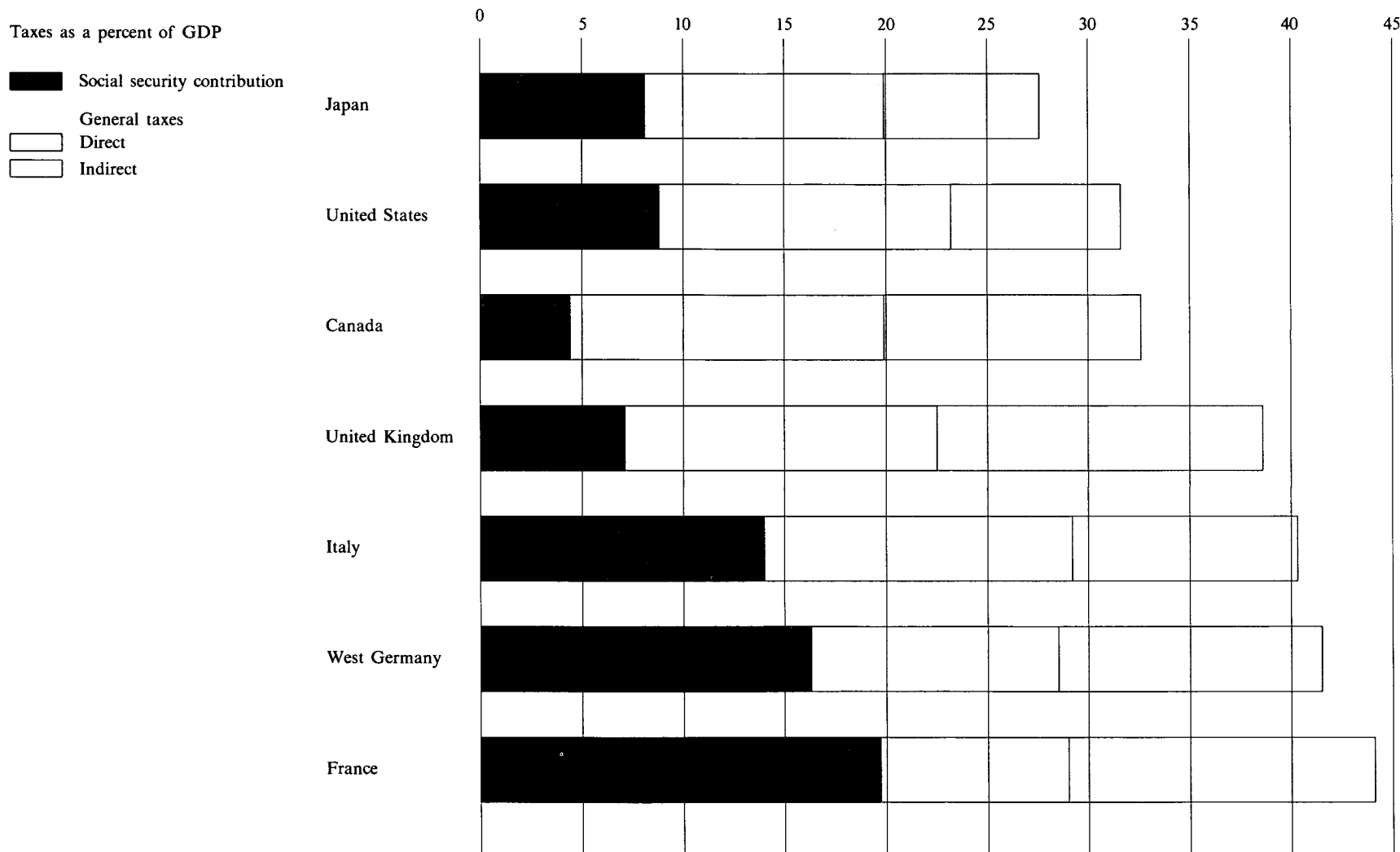
<sup>a</sup> Change relative to selected foreign currencies, compared with March 1973.  
<sup>b</sup> Relative to 16 major currencies, weighted by 1979-80 trade in manufactures.



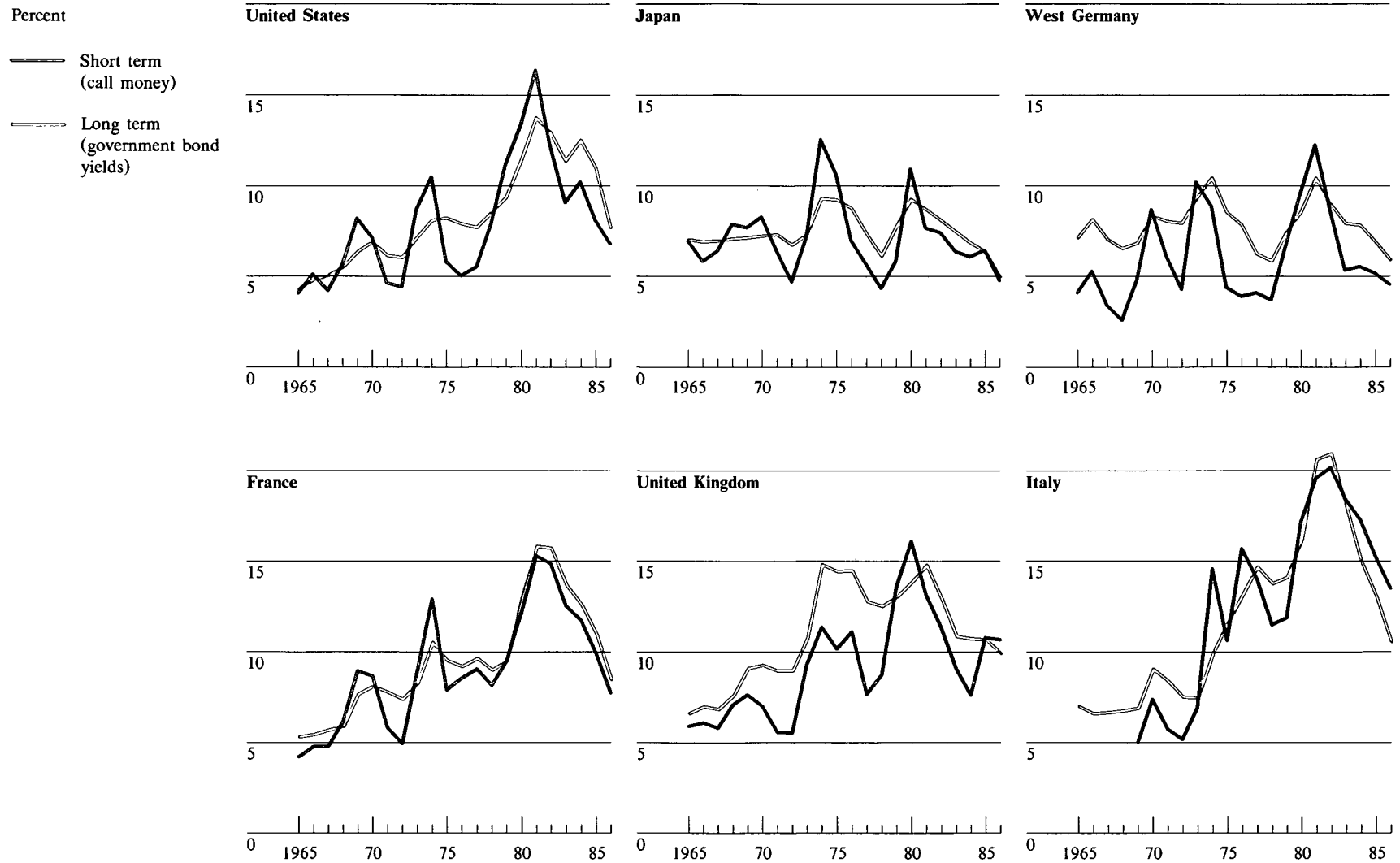
**Figure 9**  
**Government Receipts, Outlays, and Balances, as a Share of GDP**



**Figure 10**  
**Selected Industrial Countries: Comparative Tax Burden, 1984**







**Figure 11**  
**Selected Developed Countries: Trends in Interest Rates**



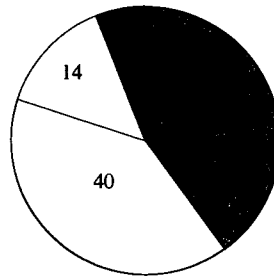
**Figure 12**  
**Soviet and East European Economic Aid Extended to Less Developed Countries**

Percent

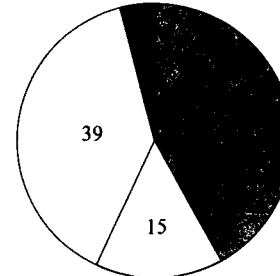
-  Middle East
-  Asia
-  Africa
-  Latin America

**USSR**

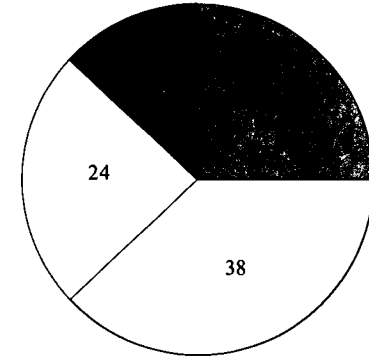
1954-74: US \$10.1 billion



1975-79: US \$10.3 billion

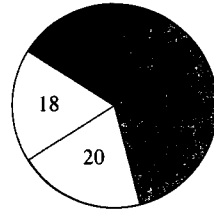


1980-86: US \$17.1 billion

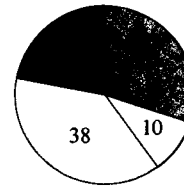


**Eastern Europe**

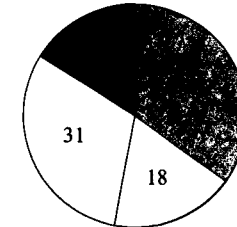
1954-74: US \$5.8 billion



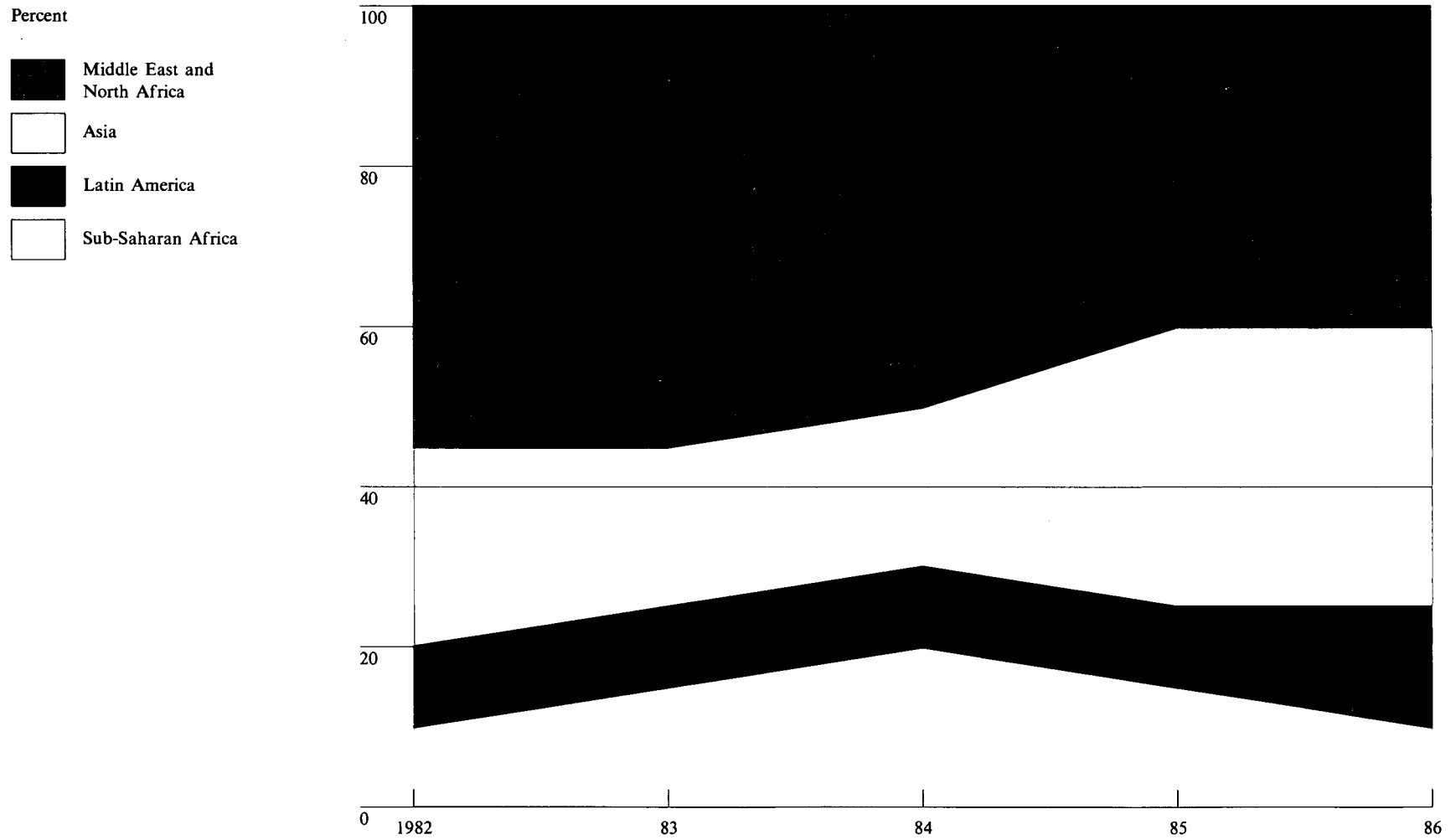
1975-79: US \$4.3 billion



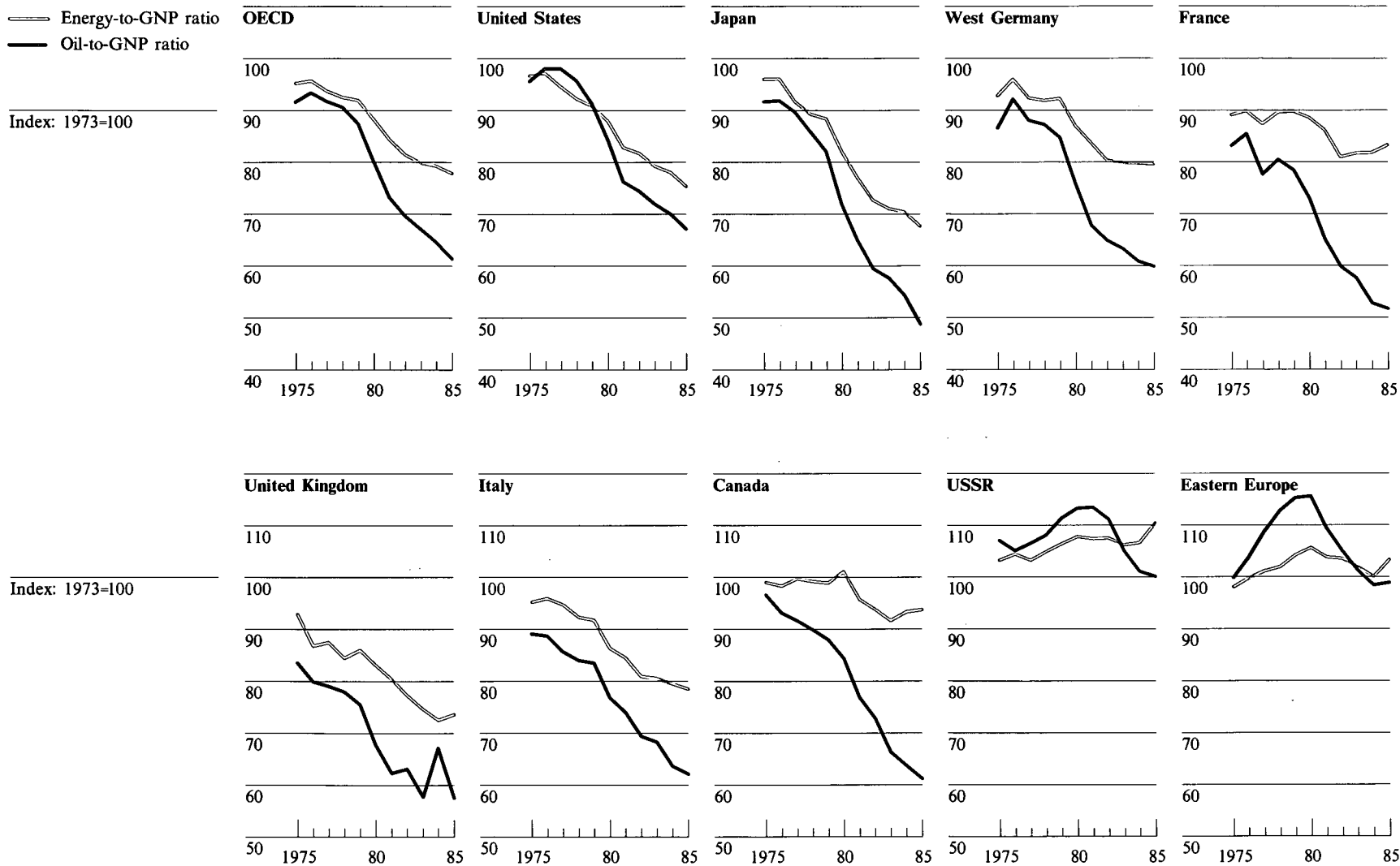
1980-86: US \$6.8 billion



**Figure 13**  
**USSR: Arms Deliveries to Less Developed Countries**



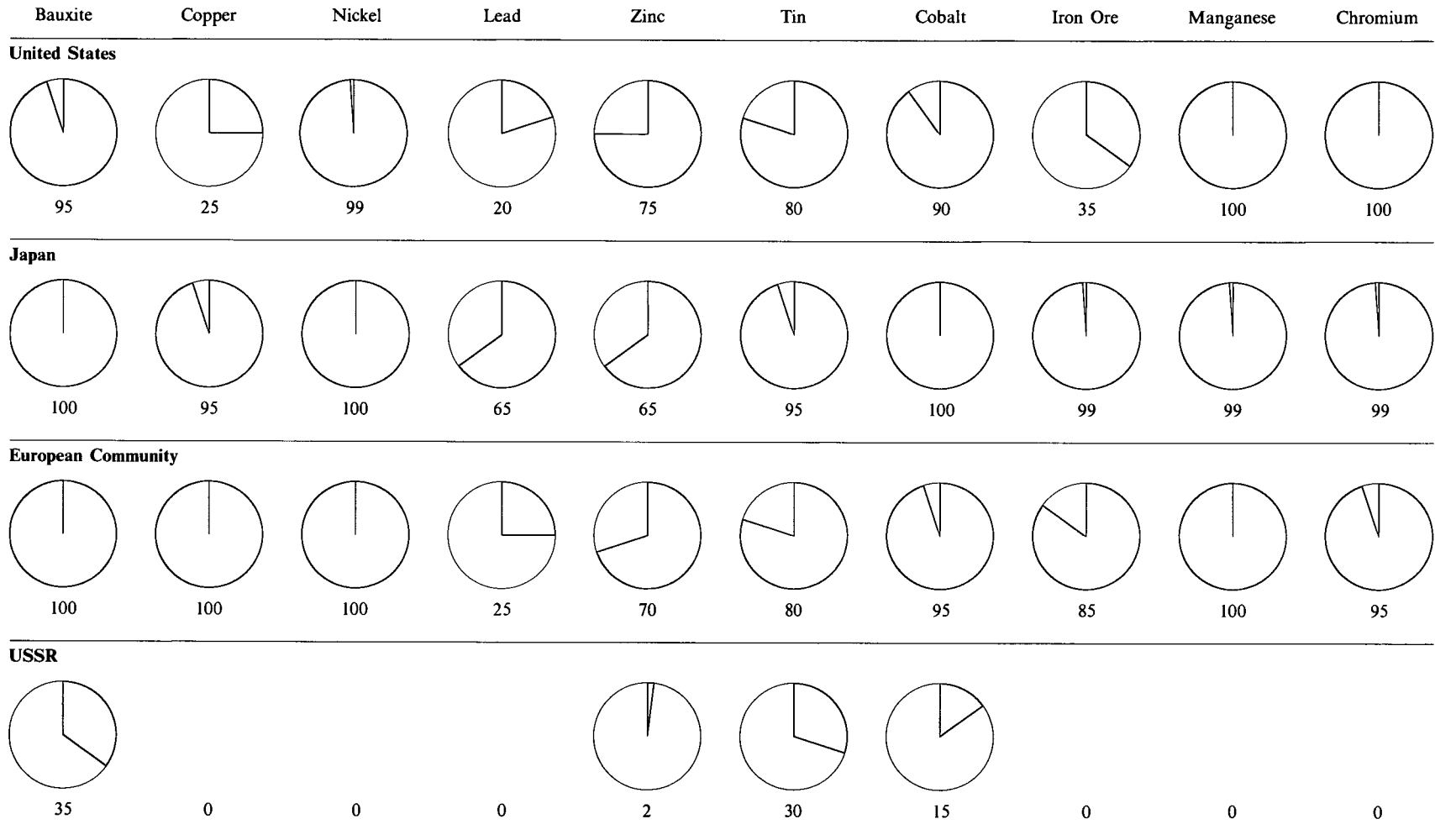
**Figure 14**  
**Measures of Energy Efficiency<sup>a</sup>**



<sup>a</sup> Care should be taken in comparing the Soviet oil-to-GNP ratio directly with the ratio of Western countries. The Soviet series is based on apparent oil consumption because the Soviets do not publish data on consumption. The apparent consumption series does not take into consideration possible changes in year-to-year oil stock levels and is based on reported oil production and estimates of oil exports and imports.

**Figure 15**  
**Minerals and Metals: Net Imports as a Share of Consumption, 1986<sup>a</sup>**

Percent



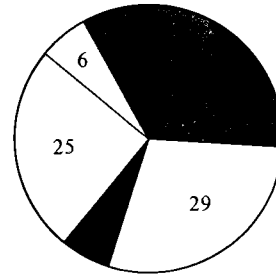
<sup>a</sup> Most data rounded to the nearest 5 percent.

**Figure 16**  
**World Crude Steel Production**

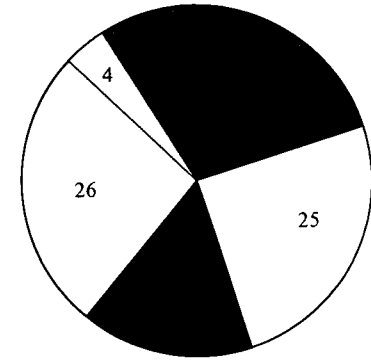
Percent

- United States
- European Community
- Japan
- USSR/Eastern Europe
- Other Communist
- Other

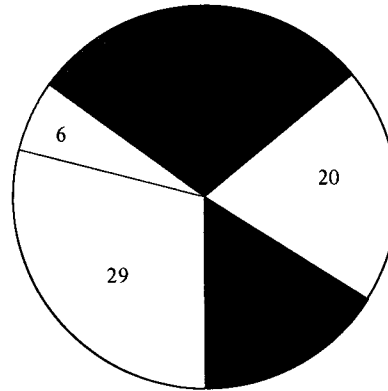
**1960**  
346 million metric tons



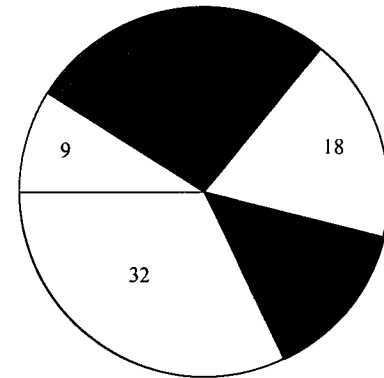
**1970**  
594 million metric tons



**1980**  
714 million metric tons



**1986**  
688 million metric tons



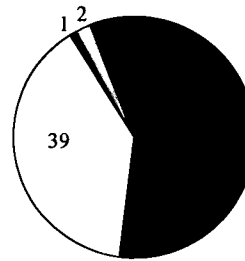


**Figure 17**  
**World Passenger Automobile Production**

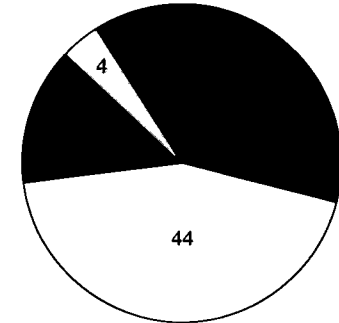
Percent

- United States
- European Community
- Japan
- USSR/Eastern Europe<sup>a</sup>
- Other

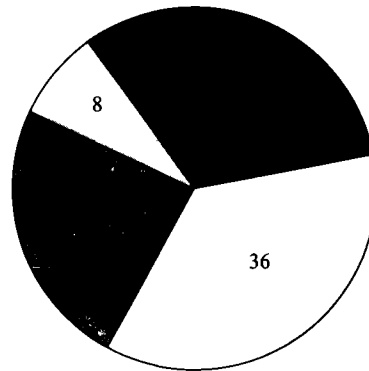
**1960**  
12.8 million units



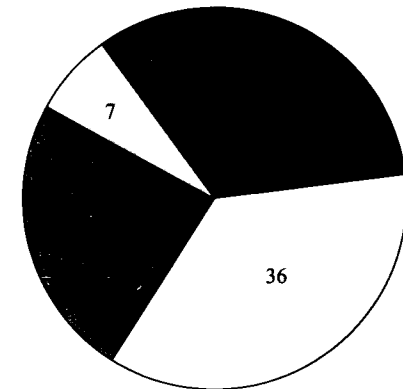
**1970**  
22.5 million units



**1980**  
29.0 million units

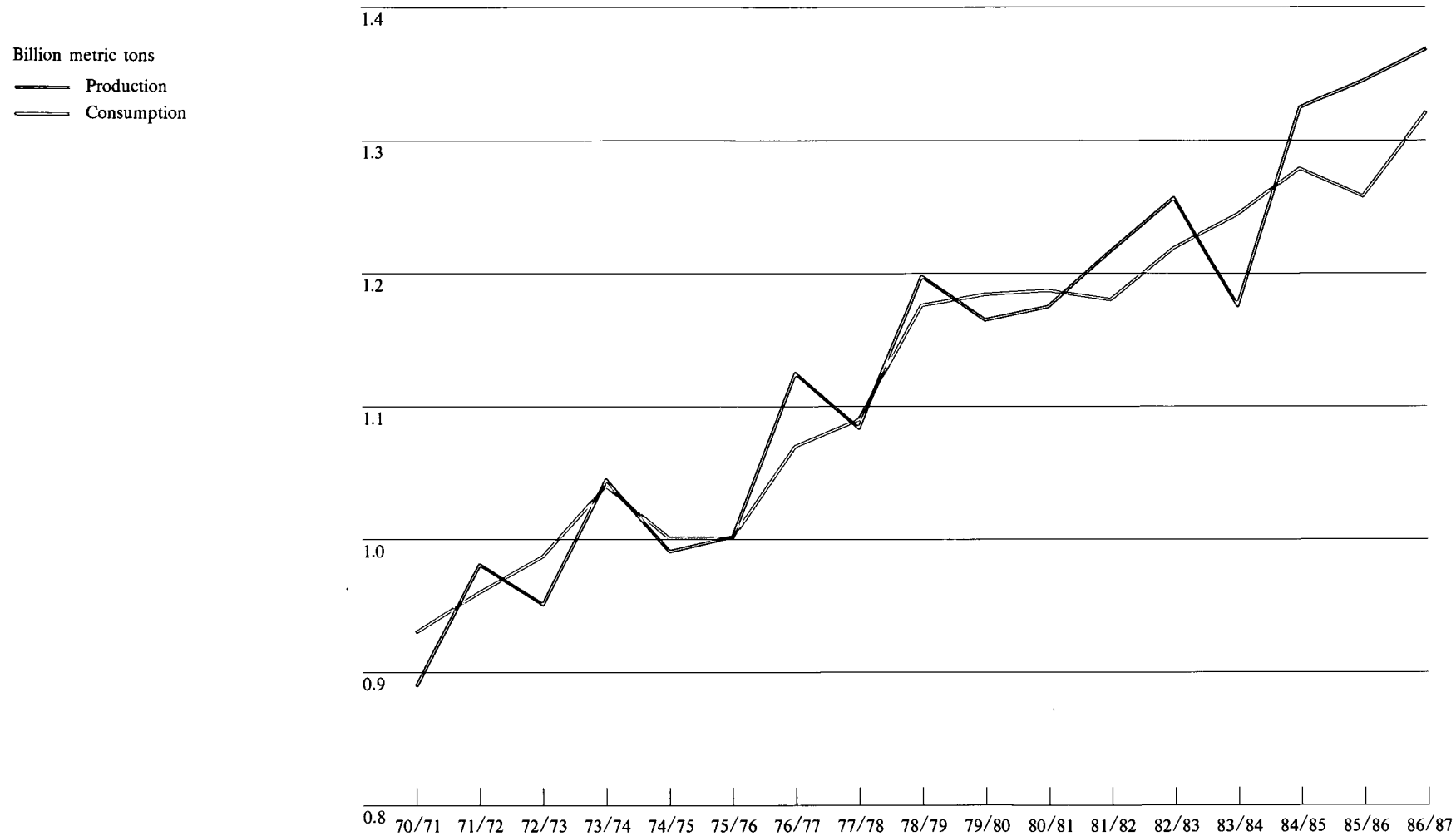


**1986**  
32.5 million units



<sup>a</sup> Data include production in Yugoslavia.

**Figure 18**  
**World Wheat and Coarse Grain<sup>a</sup> Supplies**



<sup>a</sup> Includes corn, sorghum, barley, oats, millet, rye, wheat, and miscellaneous grains.

**Economic Profile**

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**Table 1**  
**Selected World Statistics <sup>a</sup>**

	1960	1970	1975	1980	1982	1983	1984	1985	1986
Gross national product ( <i>billion 1986 US \$</i> )	6,370	10,400	12,400	14,700	14,900	15,300	15,900	16,400	16,800
Population ( <i>million persons, midyear</i> )	3,050	3,721	4,104	4,476	4,635	4,717	4,799	4,882	4,967
Agricultural production index ( <i>1975=100</i> )	65	88	100	111	119	119	125	127	129
Exports ( <i>billion US \$</i> )	129.8	313.1	873.8	1,997.8	1,845.7	1,810.8	1,904.2	1,911.9	2,149.4
Crude oil, excluding natural gas liquids ( <i>million b/d</i> )	21.0	45.7	53.0	59.5	53.1	52.6	53.7	52.9	55.7
Natural gas ( <i>trillion cubic feet</i> )	15.8	37.0	45.0	54.0	54.6	55.0	59.9	62.1	63.4
Hard coal ( <i>million metric tons</i> )	1,985 <sup>b</sup>	2,141	2,361	2,728	2,829	2,824	2,942	3,178	3,160
Brown coal and lignite ( <i>million metric tons</i> )	640	794	869	1,005	1,069	1,091	1,126	1,158	1,150
Electricity ( <i>billion kilowatt hours</i> )	2,348	4,953	6,519	8,247	8,474	8,821	9,431	9,324	9,390
Iron ore ( <i>million metric tons</i> )	522	769	892	896	796	800	864	881	890
Bauxite ( <i>million metric tons</i> )	27.6	57.8	75.1	88.8	73.2	77.4	94.6	89.9	93.6
Pig iron ( <i>million metric tons</i> )	259	431	468	510	454	466	482	490	481
Crude steel ( <i>million metric tons</i> )	346	594	651	714	641	644	688	698	688
Refined copper ( <i>thousand metric tons</i> )	NA	7,543	8,344	8,916	9,119	9,340	9,899	9,860	9,990
Primary aluminum ( <i>million metric tons</i> )	4.5	9.7	12.0	15.4	13.3	14.8	16.5	16.1	16.1
Smelter lead ( <i>thousand metric tons</i> )	2,313	3,292	3,369	3,205	3,237	3,910	3,709	3,985	3,825
Refined zinc ( <i>thousand metric tons</i> )	3,025	4,827	5,460	6,057	5,881	6,175	6,362	6,360	6,820
Primary tin ( <i>thousand metric tons</i> )	192	227	226	248	241	210	219	217	214
Mineral fertilizer <sup>c</sup> ( <i>million metric tons, nutrient content</i> )	NA	66.3	93.3	119.0	119.0	119.1	130.7	139.2	135.5
Nitrogen fertilizer <sup>c</sup> ( <i>million metric tons of N</i> )	NA	30.2	42.5	59.7	62.0	63.4	69.0	74.7	73.1
Phosphate fertilizer <sup>c</sup> ( <i>million metric tons of P<sub>2</sub>O<sub>5</sub></i> )	NA	19.2	27.1	33.4	31.1	31.3	33.8	35.6	33.8
Potassium fertilizer <sup>c</sup> ( <i>million metric tons of K<sub>2</sub>O</i> )	NA	16.9	23.7	25.9	25.9	24.4	27.8	28.9	28.5
Synthetic fibers ( <i>thousand metric tons</i> )	700	4,870	7,450	10,475	10,150	11,120	11,898	12,514	NA
Automobiles ( <i>thousand units</i> )	12,800	22,500	25,220	28,997	26,130	29,686	30,413	32,310	32,520
Cement ( <i>million metric tons</i> )	NA	585	720	867	888	892	891	912	900
Grain ( <i>million metric tons</i> )	929	1,220	1,390	1,580	1,720	1,600	1,763	1,805	1,826
Wheat ( <i>million metric tons</i> )	240	319	360	446	485	495	516	506	536
Coarse grain ( <i>million metric tons</i> )	414	540	621	693	769	657	783	833	824
Rice ( <i>million metric tons</i> )	162	312	356	396	420	449	467	472	470
Potatoes ( <i>million metric tons</i> )	285	312	285	264	284	315	312	300	303
Sugar ( <i>million metric tons</i> )	61.4	76.7	81.7	87.7	107	101	105	104	105
Coffee ( <i>thousand metric tons</i> )	NA	3,566	4,393	4,810	4,946	5,574	5,174	6,015	5,254

**Table 1 (continued)**  
**Selected World Statistics <sup>a</sup>**

	1960	1970	1975	1980	1982	1983	1984	1985	1986
Fish catch ( <i>million metric tons</i> )	40.2	65.6	66.0	72.0	76.6	76.8	82.8	NA	NA
Cattle ( <i>million head</i> )	901	1,096	1,202	1,205	1,257	1,260	1,257	1,267	1,275
Hogs ( <i>million head</i> )	519	594	655	793	767	772	793	791	819
Meat ( <i>million metric tons</i> )	65.4	102	117	138	133	137	141	146	150
Milk ( <i>million metric tons</i> )	315	362	392	428	432	452	455	462	468
Wool ( <i>thousand metric tons</i> )	2,450	2,840	2,722	2,773	2,854	2,874	2,874	2,989	2,990
Ginned cotton ( <i>million metric tons</i> )	10.4	11.8	11.7	14.0	14.7	14.7	19.0	17.2	15.2
Tobacco ( <i>thousand metric tons</i> )	NA	4,675	5,445	5,312	6,890	5,990	6,183	NA	NA
Railroad freight ( <i>billion ton-kilometers</i> )	3,338	5,020	5,958	6,766	6,632	6,880	7,142	NA	NA
Fishing fleet inventory ( <i>number</i> )	NA	12,889	18,940	21,523	21,926	22,231	21,913	22,103	21,839
( <i>thousand GRT</i> )	NA	7,804	11,339	12,669	12,819	13,031	12,806	12,985	13,375
Merchant fleet inventory ( <i>number</i> )	17,229	19,503	22,353	23,855	24,467	24,503	24,699	25,010	NA
( <i>million DWT</i> )	171.6	325.1	556.4	638.1	660.2	647.1	646.9	641.1	NA
Tanker fleet inventory ( <i>number</i> )	3,371	4,119	5,177	5,439	5,647	5,600	5,574	5,473	NA
( <i>million DWT</i> )	63.7	152.4	301.7	379.9	374.0	352.6	337.9	313.5	NA

<sup>a</sup> For more detailed descriptions and definitions, refer to the respective table.

<sup>b</sup> Including brown coal at its hard coal equivalent.  
<sup>c</sup> Fertilizer year ending 30 June of the stated year.

**Table 2**  
**Economic Profile: Developed Countries, 1986**

	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	241.6	25.6	121.4	<b>322.8</b>	55.4	57.2	14.6	56.8	61.0
Percent change	1.0	1.0	0.5	<b>0.3</b>	0.4	0.2	0.5	0.2	NEGL
<b>Gross national product</b>									
Billion 1986 US \$ <sup>a</sup>	4,160.6	446.1	1,658.3	<b>3,950</b>	762.6	644.1	189.2	720.2	908.3
Percent real growth	2.5	2.9	2.2	<b>2.4</b>	1.8	2.8	2.5	2.8	2.2
Per capita (1986 US \$)	17,220	17,430	13,660	<b>12,240</b>	13,770	11,260	12,960	12,680	14,890
Industrial production ( <i>percent growth</i> )	1.0	4.3 <sup>b</sup>	-0.4	NA	0.6	2.7	1.0	1.8	2.2
<b>Industry</b>									
Primary energy ( <i>million b/d oil equivalent</i> )	32.1	5.8	1.5	<b>13.2</b>	2.0	0.6	1.4	5.2	2.7
Electricity ( <i>billion kilowatt-hours</i> )	2,653	467	673	<b>1,550</b>	332	193	63	301	397
Crude steel ( <i>million metric tons</i> )	73.0	13.9	98.3	<b>126</b>	18.0	22.9	5.3	14.8	37.1
Cement ( <i>million metric tons</i> )	72.4	10.5	70.2	<b>152</b>	22.6	36.6	2.8	13.4	26.5
<b>Trade</b>									
Exports, f.o.b. ( <i>billion US \$</i> )	217.3 <sup>c</sup>	89.7	210.8	<b>796.4</b>	124.9	97.8	80.5	107.0	243.3
Imports, c.i.f. ( <i>billion US \$</i> )	387.1	85.6	127.6	<b>781.1</b>	129.4	99.9	75.6	126.2	191.1
Trade balance ( <i>billion US \$</i> )	-169.8	4.1	83.2	<b>15.3</b>	-4.5	-2.1	4.9	-19.2	52.2
<b>Indicators of living standards</b>									
Grain production ( <i>kilograms per capita</i> )	1,310	2,270	130	<b>480</b>	880	330	90	430	420
Meat production ( <i>kilograms per capita</i> )	108	99	29	<b>82</b>	94	60	161	55	89
Automobile registrations ( <i>units per thousand persons</i> )	557 <sup>d</sup>	434 <sup>b</sup>	216 <sup>b</sup>	<b>340 <sup>b</sup></b>	385 <sup>b</sup>	376 <sup>b</sup>	336 <sup>b</sup>	327 <sup>b</sup>	428 <sup>b</sup>
Energy consumption ( <i>barrels oil equivalent per capita</i> ) <sup>b</sup>	55	67	23	<b>24</b>	26	18	35	26	32
Consumer prices ( <i>percent growth in 1986</i> )	1.9	4.2	0.6	NA	2.5	6.1	0.2	3.4	-0.3
Life expectancy ( <i>years</i> ) <sup>d</sup>	73	74	76	NA	74	73	76	71	72

<sup>a</sup> Data were converted at US purchasing power equivalents.

<sup>b</sup> Data are for 1985.

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

<sup>d</sup> Latest available data.

**Table 3**  
**Economic Profile: Communist Countries, 1986**

	USSR	Eastern Europe						China	Yugo- slavia	
		Total	Bulgaria	Czecho- slovakia	East Germany	Hungary	Poland			Romania
<b>Aggregative data</b>										
<b>Population</b>										
Million persons at midyear	281.5	<b>112.1</b>	9.0	15.5	16.6	10.6	37.5	22.8	1,059.4	23.3
Percent increase	0.9	<b>0.4</b>	0.1	0.3	-0.1	-0.2	0.7	0.5	1.3	0.7
<b>Gross national product <sup>a</sup></b>										
Billion 1986 US \$	2,356.7	<b>874</b>	61.2	143.9	187.5	84.0	259.8	137.5	271.9	145.0
Percent real growth	1.2	<b>2.7</b>	2.2	1.4	2.0	1.3	3.0	5.6	7.8	3.0
Per capita (1986 US \$)	8,370	<b>7,780</b>	6,800	9,280	11,300	7,920	6,930	6,030	260	6,220
Industrial production (percent growth)	3.6	<b>1.9</b>	1.2	2.0	2.0	1.5	2.9	3.8	9.2	3.0
<b>Industry</b>										
Primary energy (million b/d oil equivalent)	32.3	<b>6.7</b>	0.2	1.0	1.5	0.3	2.5	1.2	11.7	0.7
Electricity (billion kilowatt-hours)	1,599	<b>484</b>	42	85	115	27	140	76	445	78
Crude steel (million metric tons)	161.0	<b>61.1</b>	2.9	15.1	8.0	3.7	17.1	14.3	52.1	4.5
Cement (million metric tons)	135.0	<b>58.0 <sup>b</sup></b>	5.7	10.3	12.0	3.8	15.8	12.2 <sup>b</sup>	161.6	9.1
<b>Trade</b>										
Exports, f.o.b. (billion US \$)	97.0	<b>113.9</b>	14.5	21.9	27.9	15.4	21.7	12.5	31.3 <sup>b</sup>	10.4
Imports, f.o.b. (billion US \$)	88.9	<b>112.5</b>	15.3	22.0	27.6	15.8	21.2	10.6	39.5 <sup>b</sup>	11.8
Trade balance (billion US \$)	8.1	<b>1.4</b>	-0.8	-0.1	0.3	-0.4	0.5	1.9	-8.2 <sup>b</sup>	-1.4
<b>Indicators of living standards</b>										
Grain production (kilograms per capita)	750	<b>830</b>	870	700	700	1,180	660	1,110	370	760
Meat production (kilograms per capita)	63	<b>100</b>	92	100	129	161 <sup>c</sup>	85	81	18	60 <sup>c</sup>
Automobile registrations (units per thousand persons) <sup>b</sup>	42	<b>111</b>	114	174	199	135	98	11 <sup>d</sup>	NEGL	123
Energy consumption (barrels oil equivalent per capita) <sup>c</sup>	35	<b>28</b>	29	36	43	22	24	23	4	15
Life expectancy (years) <sup>c</sup>	70	<b>NA</b>	71	71	72	70	71	70	67	68

<sup>a</sup> Data were converted at US purchasing power equivalents.

<sup>b</sup> Data are for 1985.

<sup>c</sup> Data are on a c.i.f. basis.

<sup>d</sup> Latest available data.

**Table 4**  
**Economic Profile: Selected Less Developed Countries, 1986**

	Africa		Asia			Latin America			Middle East and South Asia					
	Ivory Coast	Zaire	Zimbabwe	Malaysia	Philippines	Thailand	Chile	Colombia	Peru	Bangladesh	Egypt	India	Pakistan	Syria
<b>Aggregative data</b>														
<b>Population</b>														
Million persons at midyear	10.4	31.4	9.0	15.7	59.9	52.7	12.3	30.0	20.2	104.2	50.5	783.9	101.8	10.7
Percent increase	3.8	2.9	3.6	2.1	2.7	1.8	1.6	2.1	2.6	2.7	2.8	2.1	2.8	3.7
<b>Gross domestic product</b>														
Billion 1986 US \$	8.0 <sup>a</sup>	4.5	4.6	26.4	34.2	41.5	16.0	28.6	20.7	15.8	25.5	210.0	33.0	20.2
Percent real growth	5.0 <sup>a</sup>	1.4	1.0	1.0	0.2	3.8	2.4	5.3	8.5	3.9	5.9	5.0	7.0	-0.5
Per capita (1986 US \$)	790 <sup>a</sup>	140 <sup>a</sup>	510	1,680	570	790	1,300	950	1,020	150	500	270	320	1,890
<b>Industry</b>														
Per capita manufacturing (US \$) <sup>b</sup>	240	20	130	330	180	130	280	210	280	10	80	40	60	180
Electricity production (billion kilowatt-hours)	2.2	5.3	4.8	13.0	19.2	24.2	15.0	29.6	13.7	4.7	40.6	182.0	28.2	8.0
<b>Agriculture</b>														
Per capita agriculture (US \$) <sup>b</sup>	340	40	70	390	170	180	130	210	80	50	100	80	80	310
Grain production (million metric tons)	0.6 <sup>a</sup>	1.1	3.1	2.0	13.5	22.8	2.5	3.5	1.9	25.3	8.3	159.3	20.2	3.2
<b>International trade</b>														
Exports, f.o.b. (million US \$)	3,170	1,090	2,774	13,875	4,770	8,794	4,222	5,102	2,509	880	3,714 <sup>a</sup>	9,340	3,384	1,853 <sup>c</sup>
Imports, c.i.f. (million US \$)	1,940 <sup>c</sup>	872	2,649	10,829	5,394	9,154	2,914	3,862	2,598	2,488	9,961 <sup>a</sup>	15,027	5,374	4,116 <sup>c</sup>
<b>Living standard indicators</b>														
Literacy rate (percent) <sup>b</sup>	25	17	74	58	76	82	90	86	80	29	43	36	31	47
Life expectancy (years) <sup>b</sup>	46	46	54	60	61	56	68	65	61	54	53	46	51	57

<sup>a</sup> Data are for 1985.

<sup>b</sup> Latest year available.

<sup>c</sup> Data are for 1984.



**Table 5**  
**Economic Profile: Organization of Petroleum**  
**Exporting Countries, 1986**

	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	22.7	9.7	1.0	176.7	48.6	16.4	1.8	3.7	105.5	0.3	14.1	1.7	17.8
Percent increase	3.1	2.9	2.1	2.1	3.4	3.6	4.3	1.1	2.6	4.1	4.9	8.7	2.7
<b>Gross national product</b>													
Billion 1986 US \$	57.0	10.9	3.3	76.2	80.8	38.0	23.0	20.0	62.7	7.0	85.0	25.0	53.9
Percent real growth	1.0	1.7	-2.0	0	-3.8	-15.0	-9.0	0	-6.0	-9.0	-10.0	-5.0	2.2
Per capita (1986 US \$)	2,510	1,120	3,300	430	1,660	2,320	12,780	5,410	590	23,330	6,030	14,700	3,030
<b>Industry</b>													
Crude oil production (thousand b/d)	671	289	180	1,264	1,929	1,725	1,510 <sup>a</sup>	1,137	1,461	342	5,101 <sup>a</sup>	1,331	1,576
Share of oil in GNP (percent)	25 <sup>b</sup>	14	50 <sup>b</sup>	7	38	50	49	45 <sup>c</sup>	25 <sup>b</sup>	48	35	45	23
<b>Trade</b>													
Exports f.o.b. (million US \$)	12,795 <sup>d</sup>	2,181	1,951 <sup>b</sup>	14,824	13,435 <sup>b</sup>	9,785 <sup>c</sup>	12,241 <sup>d</sup>	10,928 <sup>b</sup>	12,548 <sup>b</sup>	2,326	37,530 <sup>d</sup>	14,036 <sup>b</sup>	10,065
Government oil revenues (billion US \$)	6	1	1	5	7	7	7	5	6	2	22	7	7
Oil exports (thousand b/d)	520	195	160 <sup>b</sup>	800	1,500	1,425	1,380 <sup>a</sup>	1,015	1,230	320	4,180 <sup>a</sup>	1,200	1,535
Imports c.i.f. (million US \$)	8,448	1,815	924	10,724	10,359	9,302	6,042	4,627	8,877 <sup>b</sup>	1,010	33,696 <sup>d</sup>	7,326	9,524
United States (million US \$)	406 <sup>b</sup>	594	91 <sup>b</sup>	1,154	34	527	720	311 <sup>b</sup>	676 <sup>b</sup>	69	3,449	550	3,136
European Community (million US \$)	2,445 <sup>b</sup>	464 <sup>d</sup>	576 <sup>b</sup>	2,013	3,644	2,730	1,910	3,087 <sup>b</sup>	3,293 <sup>b</sup>	472	8,075	2,563	1,186 <sup>c</sup>
Japan (million US \$)	NEGL	118 <sup>d</sup>	45 <sup>b</sup>	2,988	1,154	1,223	1,350	255 <sup>b</sup>	344 <sup>b</sup>	169	2,787	1,150	350 <sup>c</sup>
<b>Living standard indicators</b>													
Literacy rate (percent) <sup>e</sup>	42	86	12	72	50	50	64	50	38	34	35	68	84
Life expectancy (years) <sup>e</sup>	55	61	35	48	58	64	69	55	37	57	53	62	67

<sup>a</sup> Including about one-half of Neutral Zone production.

<sup>b</sup> Data are for 1985.

<sup>c</sup> Data are for 1983.

<sup>d</sup> Data are for 1984.

<sup>e</sup> Latest available data.

**Table 6**  
**Economic Profile: Selected Newly Industrializing Countries, 1986**

	Argentina <sup>a</sup>	Brazil	China (Taiwan)	Hong Kong	Mexico	Singapore	South Korea
<b>Aggregative data</b>							
<b>Population</b>							
Million persons at midyear	30.8	143.5	19.5	5.5	80.2	2.6	41.6
Percent increase	1.3	2.5	1.3	1.4	2.1	1.1	1.4
<b>Gross domestic product</b>							
Billion 1986 US \$	78.5	280.0	70.7	23.5	127.1	18.6	95.7
Percent real growth	5.7	8.2	13.5	0.8	-3.7	1.9	12.5
Per capita (1986 US \$)	2,550	1,950	3,630	4,270	1,580	7,150	2,300
<b>Industry</b>							
Per capita manufacturing (value added in US \$)	1,590 <sup>b</sup>	320 <sup>c</sup>	990 <sup>b</sup>	1,070 <sup>b</sup>	380	1,280 <sup>d</sup>	580
Electricity production (billion kilowatt hours)	44.8	193.0 <sup>c</sup>	59.0	18.2	85.4	10.5	64.7
<b>Agriculture</b>							
Per capita agriculture (value added in US \$)	380 <sup>b</sup>	160 <sup>c</sup>	160 <sup>b</sup>	40 <sup>b</sup>	160 <sup>c</sup>	70 <sup>c</sup>	260
Grain production (million metric tons)	26.8	36.8	2.1 <sup>c</sup>	NEGL	25.1	NEGL	8.4
<b>Trade</b>							
Exports, f.o.b. (million US \$)	8,396 <sup>c</sup>	22,393	39,789	35,440	16,238	22,509	37,714
Imports, c.i.f. (million US \$)	3,814 <sup>c</sup>	14,332 <sup>c</sup>	24,165	35,366	13,993 <sup>c</sup>	25,511	31,585
<b>Living standard indicators</b>							
Educational expenditures as a share of GNP (percent) <sup>e</sup>	2.7	3.8	NA	2.6	5.2	4.8	3.3
Literacy rate (percent) <sup>e</sup>	93	75	90	90	83	84	93
Life expectancy at birth (years) <sup>e</sup>	68	59	72	71	69	68	66
Population per square kilometer <sup>e</sup>	10	14	535	4,850	41	4,115	408

<sup>a</sup> Argentina is included because its economy closely resembles the NIC economies.

<sup>b</sup> Data are for 1980.

<sup>c</sup> Data are for 1985.

<sup>d</sup> Data are for 1984.

<sup>e</sup> Latest available data.

**Table 7**  
**Commodity Production of the US and the USSR <sup>a</sup>**

Commodity	1960	1970	1975	1980	1982	1983	1984	1985	1986
<i>Primary energy (million b/d of oil equivalent)</i>									
US	21.1	30.8	30.2	32.6	32.2	30.8	33.0	32.7	32.1
USSR	9.2	17.1	21.9	27.0	28.5	29.2	30.2	31.1	32.3
<i>Crude oil (thousand b/d)</i>									
US	7,055	9,648	8,375	8,597	8,658	8,680	8,735	8,933	8,668
USSR	2,943	6,976	9,570	11,700	11,830	11,864	11,728	11,350	11,754
<i>Natural gas (trillion cubic feet)</i>									
US	12.8	21.9	20.1	20.2	18.5	16.8	18.2	17.2	16.8
USSR	1.6	7.0	10.2	15.4	17.7	18.9	20.7	22.7	24.2
<i>Hard coal (million metric tons)</i>									
US	391.5	550.4	576.2	710.4	712.8	656.6	750.3	741.3	714.0
USSR	355.9	432.7	485.0	493.0	488.0	487.0	484.0	492.5	513.0
<i>Electricity (billion kilowatt-hours)</i>									
US	893.7	1,742.7	2,131.1	2,437.8	2,386.7	2,459.2	2,574.1	2,634.6	2,652.7
USSR	292.3	740.9	1,038.6	1,293.9	1,367.1	1,418.1	1,492.1	1,544.2	1,599.0
<i>Iron ore (million metric tons)</i>									
US	90.2	91.2	80.1	70.7	36.0	38.2	52.1	49.5	40.0
USSR	105.9	197.1	234.7	244.7	244.4	245.2	247.1	248.0	250.0
<i>Bauxite (thousand metric tons)</i>									
US	2,030	2,125	1,800	1,559	732	679	856	674	510
USSR	3,100	6,700	8,000	9,100	9,000	8,900	9,200	NA	NA
<i>Pig iron (million metric tons)</i>									
US	62.2	82.8	72.3	62.3	39.3	44.2	47.1	45.3	39.9
USSR	46.8	85.9	103.0	107.3	106.7	110.5	110.9	110.0	114.0
<i>Crude steel (million metric tons)</i>									
US	90.1	119.3	105.8	101.5	67.7	76.8	83.9	80.1	73.0
USSR	65.3	115.9	141.3	147.9	147.2	152.5	154.2	155.0	161.0
<i>Refined copper (thousand metric tons)</i>									
US	1,650	2,074	1,632	1,730	1,694	1,584	1,509	1,435	1,479
USSR	475	1,015	1,320	1,470	1,510	1,540	1,590	NA	NA
<i>Titanium sponge metal production (thousand metric tons)</i>									
US	4.8	14.0	14.4	20.4	14.2	12.7	22.1	21.0	15.8
USSR	6.0	40.0	57.0	68.0	70.0	71.0	71.0	71.0	72.0

**Table 7 (continued)**  
**Commodity Production of the US and the USSR <sup>a</sup>**

Commodity	1960	1970	1975	1980	1982	1983	1984	1985	1986
<i>Primary aluminum (thousand metric tons)</i>									
US	1,827	3,607	3,519	4,654	3,274	3,353	4,099	3,500	3,037
USSR	565	1,640	2,345	2,705	2,735	2,795	2,879	2,940	2,970
<i>Lead (thousand metric tons)</i>									
US	347	605	577	550	517	515	397	487	366
USSR	300	470	540	560	560	565	582	NA	NA
<i>Refined zinc (thousand metric tons)</i>									
US	788	866	450	370	302	305	331	334	316
USSR	360	690	820	820	820	825	850	NA	NA
<i>Gold (million troy ounces)</i>									
US	1.7	1.7	1.1	1.0	1.5	2.0	2.1	2.4	3.7
USSR	3.6	6.8	8.1	9.4	9.8	9.9	10.1	10.3	10.5
<i>Synthetic ammonia (million metric tons of N)</i>									
US	3.6	10.3	12.2	14.7	11.8	10.5	12.5	12.9	10.4
USSR	1.1	6.3	9.9	13.8	14.6	16.9	17.7	18.2	19.4
<i>Mineral fertilizer (million metric tons, nutrient content)</i>									
US <sup>b</sup>	7.4	15.8	18.2	23.4	17.1	20.0	21.5	17.5	NA
USSR	3.3	13.1	22.0	24.8	26.7	29.7	30.8	33.2	34.7
<i>Nitrogen fertilizer (million metric tons of N)</i>									
US <sup>b</sup>	2.7	8.2	9.6	11.8	9.1	10.8	11.7	9.9	NA
USSR	1.0	5.4	8.5	10.2	11.6	13.0	13.3	14.2	15.2
<i>Plastics (million metric tons)</i>									
US	2.8	9.7	10.2	12.8	12.9	14.7	16.0	16.6	16.7
USSR	0.3	1.7	2.8	3.6	4.1	4.4	4.8	5.0	5.3
<i>Synthetic rubber (million metric tons)</i>									
US	1.5	2.2	2.0	2.2	1.8	2.0	2.2	2.0	2.1
USSR	0.4	1.0	1.7	2.0	2.0	2.0	2.1	2.1	2.2
<i>Trucks and buses (millions)</i>									
US	1.2	1.7	2.3	1.7	1.9	2.4	3.1	3.4	3.4
USSR	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.9	1.3
<i>Automobiles (millions)</i>									
US	6.7	6.5	6.7	6.4	5.0	6.7	7.6	8.0	7.5
USSR	0.1	0.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3

**Table 7 (continued)**  
**Commodity Production of the US and the USSR <sup>a</sup>**

Commodity	1960	1970	1975	1980	1982	1983	1984	1985	1986
<i>Newsprint (million metric tons)</i>									
US	1.8	3.0	3.2	4.2	4.6	4.7	5.0	4.9	5.1
USSR	0.4	1.1	1.4	1.5	1.5	1.5	1.5	1.6	1.6
<i>Cement (million metric tons)</i>									
US	56.1	67.4	61.8	68.2	57.5	63.9	70.5	70.7	72.4
USSR	45.5	95.2	122.1	125.0	123.7	128.2	130.0	131.0	135.0
<i>Grain (million metric tons)</i>									
US	181.3	186.7	249.2	269.7	332.9	207.5	314.6	347.0	315.8
USSR	125.6	186.8	140.1	189.1	186.8	192.2	172.6	191.7	210.1
<i>Wheat (million metric tons)</i>									
US	36.9	36.8	57.9	64.6	76.5	65.9	70.6	66.0	56.8
USSR	64.3	99.7	66.2	98.2	84.3	77.5	68.6	78.1	92.3
<i>Coarse grain (million metric tons)</i>									
US	141.9	146.1	185.5	198.4	250.7	137.1	237.7	274.9	252.9
USSR	61.1	85.8	71.9	88.3	93.2	103.3	92.5	101.6	107.3
<i>Potatoes (million metric tons)</i>									
US	11.7	14.8	14.6	13.7	16.0	15.2	16.4	18.3	16.5
USSR	84.4	96.8	88.7	67.0	78.2	82.9	85.5	73.0	87.2
<i>Sugar (million metric tons)</i>									
US	3.6	5.3	6.0	5.3	5.4	5.2	5.3	5.4	5.8
USSR	6.9	11.1	11.3	11.0	13.1	13.5	13.5	12.8	13.8
<i>Meat (million metric tons)</i>									
US	12.8	22.5	23.0	24.2	23.9	25.0	25.3	25.8	26.1
USSR	8.7	12.3	15.0	15.1	15.4	16.4	17.0	17.1	17.7
<i>Milk (million metric tons)</i>									
US	53.7	53.3	52.3	58.3	61.5	63.4	61.4	65.2	65.7
USSR	61.7	83.0	90.8	90.9	91.0	96.5	97.9	98.6	101.1
<i>Ginned cotton (thousand metric tons)</i>									
US	3,107	2,219	1,808	2,422	2,605	1,692	2,826	2,925	2,130
USSR	1,458	2,343	2,524	2,959	2,673	2,607	2,586	2,625	2,654

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

<sup>b</sup> Fertilizer year beginning 1 July of the stated year.

## Aggregative Trends

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**Table 8**  
**Estimated Real Gross National Product**

Billion 1986 US \$

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>World</b>	<b>6,370</b>	<b>10,400</b>	<b>12,400</b>	<b>14,700</b>	<b>14,900</b>	<b>15,300</b>	<b>15,900</b>	<b>16,400</b>	<b>16,800</b>
<b>Developed countries <sup>a</sup></b>	<b>4,450</b>	<b>7,190</b>	<b>8,320</b>	<b>9,800</b>	<b>9,910</b>	<b>10,200</b>	<b>10,600</b>	<b>10,900</b>	<b>11,200</b>
United States	1,907.2	2,756.5	3,065.9	3,598.5	3,580.5	3,702.9	3,947.6	4,059.1	4,160.6
Australia	84.2	140.3	170.6	194.8	201.2	202.6	216.8	226.0	231.2
Canada	147.8	244.5	315.2	382.0	382.8	395.0	417.2	433.6	446.1
Japan	314.0	853.5	1,053.5	1,342.0	1,433.2	1,478.9	1,552.7	1,622.5	1,658.3
Sweden	70.0	110.1	125.1	133.6	134.3	137.5	143.0	146.2	149.2
Switzerland	64.6	102.4	106.7	116.0	116.3	117.1	119.2	124.0	126.2
European Community	<b>1,680</b>	<b>2,700</b>	<b>3,130</b>	<b>3,620</b>	<b>3,630</b>	<b>3,680</b>	<b>3,770</b>	<b>3,860</b>	<b>3,950</b>
Belgium	56.9	92.0	109.0	126.2	126.6	126.2	128.3	130.2	132.5
France	288.5	496.1	603.9	708.8	725.1	730.0	741.4	749.2	762.6
Italy	252.6	439.9	495.6	598.5	596.7	595.5	612.3	626.6	644.1
Netherlands	81.7	134.0	156.9	178.5	174.7	177.2	181.3	184.5	189.2
Spain	109.6	222.4	290.6	320.4	323.6	329.4	335.5	343.2	352.8
United Kingdom	395.8	523.6	583.0	632.3	633.6	657.0	675.6	700.5	720.2
West Germany	412.6	641.1	709.8	837.0	830.3	842.8	866.3	888.9	908.3
<b>Less developed countries <sup>b</sup></b>	<b>461</b>	<b>870</b>	<b>1,220</b>	<b>1,590</b>	<b>1,640</b>	<b>1,660</b>	<b>1,730</b>	<b>1,790</b>	<b>1,850</b>
Argentina	51.0	67.9	76.3	82.5	73.6	75.8	78.0	74.3	78.5
Brazil	51.4	104.8	171.3	237.9	236.2	228.7	239.0	258.8	280.0
China (Taiwan)	8.4	20.0	29.3	48.4	52.9	56.1	59.8	62.3	70.7
Egypt	6.4	9.2	12.0	17.4	21.1	23.0	23.3	24.1	25.5
India	78.8	115.0	133.0	158.0	173.2	186.3	193.0	200.0	210.0
Mexico	32.8	64.5	88.6	122.2	131.1	124.2	128.5	132.0	127.1
Pakistan	10.4	14.3	16.9	22.6	25.5	27.2	28.4	30.8	33.0
Philippines	11.4	18.9	25.4	34.3	36.7	37.1	35.4	34.1	34.2
South Korea	11.2	27.6	42.3	60.6	68.3	74.8	80.7	85.1	95.7
Thailand	7.4	15.8	21.5	30.9	34.2	36.2	38.4	40.0	41.5
<b>OPEC</b>									
Indonesia	19.7	28.4	41.9	61.3	67.6	70.5	74.8	76.2	76.2
Nigeria	28.1	49.3	66.2	77.6	75.3	68.9	65.1	66.7	62.7
Saudi Arabia	17.6	36.0	65.6	102.0	112.0	100.0	99.2	94.4	85.0
Venezuela	20.9	37.8	47.8	56.3	56.5	53.3	52.6	52.7	53.9

**Table 8 (continued)**  
**Estimated Real Gross National Product**

Billion 1986 US \$

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Communist countries</b>	<b>1,460</b>	<b>2,340</b>	<b>2,850</b>	<b>3,260</b>	<b>3,370</b>	<b>3,460</b>	<b>3,540</b>	<b>3,620</b>	<b>3,770</b>
USSR and Eastern Europe	1,320	2,090	2,530	2,850	2,930	3,000	3,060	3,110	3,230
USSR <sup>c</sup>	923.5	1,511.7	1,801.5	2,050.2	2,130.5	2,185.3	2,214.1	2,254.3	2,356.7
Eastern Europe <sup>d</sup>	396	578	732	804	803	818	847	851	874
Bulgaria	25.0	43.7	54.8	57.6	61.0	60.0	61.9	59.9	61.2
Czechoslovakia	76.7	102.1	120.4	134.1	136.0	138.0	141.3	141.9	143.9
East Germany	94.1	127.0	150.5	168.9	171.6	175.1	179.9	183.9	187.5
Hungary	43.8	61.6	72.4	80.0	83.5	82.7	85.0	82.9	84.0
Poland	113.9	172.5	236.4	244.9	229.5	240.6	249.6	252.2	259.8
Romania	42.8	70.8	97.9	118.8	121.5	121.6	128.9	130.1	137.5
<b>Other</b>									
China <sup>e</sup>	NA	92.7	121.0	162.2	184.4	201.1	225.2	252.2	271.9
Yugoslavia <sup>d</sup>	NA	80.7	100.6	132.7	136.3	137.0	140.8	140.8	145.0

<sup>a</sup> Data were converted to US dollars by the use of purchasing power parities used by the OECD.

<sup>b</sup> Data were converted from national currencies by using the 1986 Par Rate/Market Rate factors.

<sup>c</sup> Data for the USSR were constructed as follows:

- Soviet GNP was estimated in 1982 rubles using the methodology described in Table 37.
- The ruble estimates were multiplied by the geometric mean of two dollar-ruble ratios—one weighted with US price weights, the other with Soviet weights. For a discussion of this procedure, see "US and USSR: Comparisons

of GNP," published in *Soviet Economy in a Time of Change*, Joint Economic Committee, Congress of the United States, 10 October 1979, pp. 369-401.

- The resulting GNP estimates in 1982 US dollars were converted to a 1986 price base using the US GNP implicit price deflator.

<sup>d</sup> GNP estimates for Hungary, Poland, Romania, and Yugoslavia are based on benchmark figures for 1975 in 1975 dollars in Kravis, Heston, and Summers, *World Product and Income: International Comparisons of Real Gross Product*, Baltimore: Johns Hopkins University Press, 1982. GNP

indexes in constant domestic currencies derived from official data were combined with the 1975 benchmarks to yield time series in 1975 dollars. The US GNP deflator was then applied to the series to convert 1975 dollars to 1986 dollars. For Bulgaria, Czechoslovakia, and East Germany, 1970 benchmarks were shifted to 1975 in proportion to the geometric mean of the benchmark shifts for Hungary, Poland, Romania, and Yugoslavia. The 1970 benchmarks were taken from *UN Economic Bulletin for Europe*, vol. 31, no. 2, 1980.

<sup>e</sup> Official Chinese statistics.



**Table 9**  
**Gross National Product Price Deflators**

Index: 1970=100

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States	73.6	100.0	141.2	204.0	238.1	247.4	256.9	265.5	272.6
Australia	75.0	100.0	173.9	282.6	343.9	373.6	399.9	424.2	448.3
Canada	72.4	100.0	149.1	222.5	268.5	281.0	291.3	301.0	308.5
Japan	58.8	100.0	163.8	208.2	218.9	220.5	223.4	227.2	231.4
Sweden	65.9	100.0	153.7	251.3	298.8	328.0	353.0	377.2	400.7
Switzerland	65.4	100.0	148.4	165.9	190.3	196.6	202.1	207.5	215.3
European Community <sup>a</sup>	66.1	100.0	156.2	258.3	317.0	344.6	369.0	393.2	415.3
Belgium	71.3	100.0	151.8	199.0	223.3	237.5	250.0	262.8	272.0
France	65.2	100.0	152.5	247.8	311.9	341.8	366.3	388.1	405.5
Italy	64.3	100.0	177.0	395.9	551.5	634.1	702.7	764.4	818.2
Netherlands	60.1	100.0	155.1	208.6	233.4	237.7	243.0	248.7	246.6
Spain	54.0	100.0	178.8	409.8	522.0	582.8	646.5	702.7	775.5
United Kingdom	66.2	100.0	185.1	370.1	444.3	467.5	486.3	514.7	533.5
West Germany	69.6	100.0	137.3	167.8	182.2	188.1	191.7	196.0	200.3

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

**Table 10**  
**Gross Domestic Product in Purchasing Power**  
**and Exchange Rate Equivalents, 1986**

	Purchasing Power Equivalents <sup>a</sup> (Kravis)	Purchasing Power Equivalents <sup>b</sup> (Gilbert)	Average 1986 Par Rate/ Market Rate	Average 1985 Exchange Rate	Average 1973 Exchange Rate	February 1973 Exchange Rate	May 1972 Exchange Rate	April 1971 Exchange Rate
<b>Gross Domestic Product, 1986 (Billion US \$)</b>								
<b>OECD</b>								
Belgium	128.8	132.7	110.9	83.4	127.1	122.8	110.5	99.1
Denmark	75.1	65.5	80.4	61.4	107.5	103.6	93.2	86.7
France	758.5	729.7	705.5	543.8	1,097.3	1,062.3	955.2	879.8
Italy	540.8	468.7	504.0	393.5	1,288.8	1,326.1	1,292.1	1,202.2
Japan	1,673.0	1,341.8	1,960.4	1,385.0	1,213.7	1,223.6	1,072.6	917.7
Netherlands	181.1	152.5	172.5	127.2	151.2	144.7	130.2	116.7
United Kingdom	615.0	581.1	545.5	482.0	911.8	925.9	968.9	892.4
West Germany	909.8	743.8	887.0	654.3	721.4	664.2	597.7	526.3
<b>Gross Domestic Product Per Capita, 1986 (United States = 100)</b>								
<b>OECD</b>								
Belgium	76	78	65	49	75	72	65	58
Denmark	85	74	91	69	122	117	105	98
France	79	76	74	57	115	111	100	92
Italy	55	47	51	40	130	134	131	122
Japan	80	64	94	66	58	58	51	44
Netherlands	72	61	69	51	60	58	52	46
United Kingdom	63	59	56	49	93	94	99	91
West Germany	86	71	84	62	68	63	57	50

<sup>a</sup> For the individual OECD countries, the ratios for converting GDP in national currencies at 1986 prices into 1986 US dollars on the basis of purchasing power equivalents are derived from the 1975 ratios in *World Product and Income: International Comparisons of Real GDP*, published by the World Bank by the Johns Hopkins University Press, Baltimore and London, 1981, using the geometric mean of foreign and US weighted ratios. These 1975 GDP parities were moved to 1986 by applying the following factor: the derived price index for each OECD country for 1976-86 divided by a derived price index for the United States for 1976-86. These price indexes were derived for each

country by dividing the growth of GDP in current prices by the growth of GDP in constant prices. The ratios thus obtained were applied to the GDP values, given in the national currencies in 1986 prices.

<sup>b</sup> For the individual European OECD countries, the ratios for converting GDP in national currencies at 1986 prices into 1986 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 1986 by applying the following factor: the derived price index for each European country for 1951-86 divided by a derived price index for the United States for 1951-86. The ratios thus obtained were applied to the GDP values, given in the national currencies in 1986 prices.

**Table 11**  
**Gross National Product, by End Use,**  
**in the US and the USSR, 1986<sup>a</sup>**

	Billion 1982 Rubles			Billion 1982 US \$			Geometric Mean of the Comparisons in Dollars and Rubles
	USSR <sup>b</sup>	US	USSR as a Percent of US	USSR	US	USSR as a Percent of US	USSR as a Percent of US
GNP	777	1,797	43	2,630	3,677	72	56
Of which:							
Consumption	408	1,506	27	1,252	2,586	48	36
New fixed investment	176	219	80	750	727	103	91

<sup>a</sup> The preferred procedure for making international economic comparisons is to convert each country's GNP to the currency of the other. Two comparisons can then be made, one in rubles and one in dollars. The two comparisons will yield different answers. This phenomenon is commonly known as the "index number problem," and it results from differences in the relative price and quantity structures found in each country. Goods produced in relatively large quantities in either country tend to sell at relatively low prices in that country, and vice versa. Soviet GNP is, therefore, a larger share of US GNP when comparisons are made in dollars since dollars place a greater weight than ruble prices do on investment and defense goods, which account for larger shares of output in the Soviet Union than in the United States.

The important point about index numbers is that valuations in either rubles or dollars are equally correct. When a single comparison of US and Soviet GNP is required, economists by convention often use the geometric mean of the ruble and dollar comparisons as a reasonable compromise that falls between the two.

The geometric mean comparison is presented here, although the reader is cautioned that it is used for its presentational convenience and does not, strictly speaking, represent a more valid result than that presented in either currency.

The estimate of Soviet GNP in dollars presented here is different from that given in Table 8, which uses the geometric mean of the comparisons for consistency with the other data in that table. The approach used in this table, however, is theoretically preferable.

<sup>b</sup> The above Soviet GNP data in established prices should not be used in conjunction with Soviet foreign trade data appearing in Tables 66-68. 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 value 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 (such as defense) 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 includes 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 Soviet capital repair is considered new investment in the Western sense, a portion 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.

**Table 12**  
**Real Gross National Product Growth**

Percent

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976-80	1982	1983	1984	1985	1986
<b>OECD</b>	<b>5.2</b>	<b>4.6</b>	<b>3.0</b>	<b>3.3</b>	<b>-0.5</b>	<b>2.5</b>	<b>4.6</b>	<b>3.0</b>	<b>2.4</b>
United States	4.6	3.0	2.2	3.4	-2.5	3.5	6.4	2.7	2.5
Australia	4.8	5.6	4.0	2.7	0	0.7	7.0	4.2	2.3
Canada	5.7	4.6	5.2	3.9	-3.4	3.2	5.6	3.9	2.9
Japan	10.1	11.0	4.3	5.0	2.8	3.2	5.0	4.5	2.2
Sweden	5.2	4.1	2.6	1.3	0.8	2.4	4.0	2.2	2.1
Switzerland	5.3	4.2	0.8	1.7	-1.2	0.7	1.8	4.0	1.8
European Community	<b>5.0</b>	<b>4.6</b>	<b>3.0</b>	<b>3.0</b>	<b>0.5</b>	<b>1.3</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
Belgium	5.0	4.8	3.5	3.0	1.9	NEGL	1.7	1.5	1.8
France	5.8	5.4	4.0	3.3	1.8	0.7	1.6	1.1	1.8
Italy	5.2	6.2	2.4	3.8	-0.5	-0.2	2.8	2.3	2.8
Netherlands	4.8	5.3	3.2	2.6	-1.4	1.4	2.3	1.8	2.5
Spain	8.5	6.2	5.5	2.0	1.2	1.8	1.9	2.3	2.8
United Kingdom	3.2	2.5	2.2	1.7	1.4	3.7	2.8	3.7	2.8
West Germany	4.8	4.2	2.1	3.4	-1.0	0.3	2.8	2.6	2.2
Less developed countries	6.3	6.7	7.0	5.5	1.5	1.4	4.1	3.2	3.5
Communist countries									
USSR and Eastern Europe									
USSR <sup>a</sup>	4.9	5.1	3.0	2.3	2.6	3.2	1.4	1.1	4.2
Eastern Europe	<b>3.9</b>	<b>3.8</b>	<b>4.9</b>	<b>1.9</b>	<b>0.9</b>	<b>1.9</b>	<b>3.5</b>	<b>0.5</b>	<b>2.7</b>
Bulgaria	6.4	5.1	4.7	1.0	3.2	-1.7	3.2	-3.3	2.2
Czechoslovakia	2.4	3.4	3.4	2.2	2.0	1.5	2.4	0.4	1.4
East Germany	3.0	3.1	3.5	2.3	-0.4	2.0	2.8	2.3	2.0
Hungary	3.9	3.0	3.3	2.0	3.6	-1.0	2.8	-2.6	1.4
Poland	4.5	4.0	6.5	0.7	-0.9	4.8	3.7	1.0	3.0
Romania	5.4	4.9	6.7	3.9	2.1	0.1	6.0	1.0	5.6
Other									
China	NA	NA	5.5	6.1	8.3	9.1	12.0	12.0	7.8
North Korea	9.8	5.5	10.4	4.1	3.7	0.9	2.7	NA	NA
Yugoslavia	NA	NA	4.5	5.7	1.6	0.5	2.7	0	3.0

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

**Table 13**  
**Real Gross National Product Per Capita Growth**

Percent

	Average Annual Rate of Growth					1982	1983	1984	1985	1986
	1961-65	1966-70	1971-75	1976-80						
<b>OECD</b>										
United States	3.1	1.9	1.2	2.2	-3.5	2.4	5.6	1.9	1.5	
Australia	2.8	3.6	2.3	1.6	-0.7	-0.6	5.8	2.9	1.0	
Canada	3.8	2.9	3.8	2.7	-4.5	2.2	4.6	3.0	1.9	
Japan	9.0	9.7	2.8	4.0	2.1	2.5	4.3	3.9	1.6	
Sweden	4.5	3.3	2.2	1.0	0.8	2.4	3.9	2.1	1.9	
Switzerland	3.1	3.1	0.4	1.7	-1.8	0.5	1.4	3.6	1.4	
European Community	<b>4.1</b>	<b>3.9</b>	<b>2.4</b>	<b>2.6</b>	<b>0.2</b>	<b>1.1</b>	<b>2.2</b>	<b>2.1</b>	<b>2.1</b>	
Belgium	4.3	4.4	3.2	2.8	1.8	-0.3	1.7	1.5	1.7	
France	4.4	4.5	3.2	2.8	1.2	0.2	1.2	0.7	1.4	
Italy	4.5	5.5	1.8	3.5	-0.7	-0.5	2.5	2.1	2.5	
Netherlands	3.4	4.1	2.2	1.9	-1.9	1.0	1.9	1.3	2.1	
United Kingdom	2.4	2.0	2.0	1.6	1.5	3.6	2.6	3.4	2.6	
West Germany	3.8	3.4	1.7	3.4	-0.9	1.9	3.2	2.9	2.5	
<b>Communist countries</b>										
<b>USSR and Eastern Europe</b>										
USSR	3.3	4.0	2.1	1.4	1.7	2.3	0.5	0.2	3.2	
Eastern Europe	<b>3.2</b>	<b>3.1</b>	<b>4.2</b>	<b>1.3</b>	<b>0.4</b>	<b>1.4</b>	<b>3.1</b>	<b>0.2</b>	<b>2.4</b>	
Bulgaria	5.5	4.4	4.1	0.7	2.9	-1.9	3.0	-3.2	2.2	
Czechoslovakia	1.6	3.2	2.7	1.5	1.7	1.2	2.1	0.2	1.2	
East Germany	3.2	3.1	3.7	2.5	-0.2	2.0	2.9	2.4	2.1	
Hungary	3.6	2.7	3.0	1.6	3.7	-0.8	3.0	-2.4	1.6	
Poland	3.3	3.2	5.5	-0.2	-1.8	3.9	2.8	0.3	2.3	
Romania	4.7	3.6	5.7	3.0	1.5	-0.3	5.6	0.5	5.1	
<b>Other</b>										
China	NA	5.5	3.3	4.7	6.7	8.1	10.8	10.8	6.3	
North Korea	6.6	2.7	7.3	3.7	1.7	-1.6	NEGL	NA	NA	
Yugoslavia	NA	NA	3.5	4.8	0.8	-0.2	2.0	-0.7	2.3	

**Table 14**  
**Economic Indicators for Selected Non-OPEC**  
**Less Developed Countries**

*Percent change*

	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>Industrial production</b>									
China (Taiwan)	20.5	5.4	8.1	6.8	-0.6	14.1	12.2	1.4	14.9
India	1.6	4.7	1.2	0.7	4.7	4.4	5.7	6.5	5.8
Mexico	10.1	4.7	11.2	9.8	-3.3	-8.0	4.3	5.1	-5.1
South Korea	33.5	18.9	11.7	-1.8	5.0	15.8	15.0	4.0	32.3
<b>Consumer price inflation</b>									
Brazil	12.7	28.9	52.7	82.8	97.9	142.0	196.7	235.1	65.0
China (Taiwan)	8.2	5.2	9.8	19.0	3.1	1.4	NEGL	-0.2	0.7
India	17.8	5.6	2.5	11.4	7.9	11.9	6.4	6.3	10.0
Mexico	12.0	15.2	18.2	26.3	58.9	101.9	65.5	57.8	86.2
South Korea	3.2	25.3	18.3	28.7	7.3	3.4	2.3	2.5	2.8
<b>Wholesale price inflation</b>									
Brazil	15.3	27.8	55.9	106.5	92.0	168.2	236.2	225.7	59.9
China (Taiwan)	22.9	-5.1	13.8	21.5	-0.2	-1.4	-0.7	-2.6	-3.4
India	16.4	4.0	11.4	20.3	2.5	7.8	7.0	5.6	6.5
Mexico	16.0	10.4	18.3	24.4	56.1	107.3	70.3	53.6	88.1
South Korea	6.9	26.1	18.8	38.9	4.7	0.2	0.7	0.9	-2.8
<b>Money supply</b>									
Brazil	41.8	33.6	73.6	70.0	69.7	92.0	203.5	305.5	303.8
China (Taiwan)	49.3	26.9	7.7	22.7	14.6	18.4	9.3	12.2	51.4
India	16.5	8.1	20.8	12.3	17.4	12.6	18.5	15.0	18.0
Mexico	24.2	21.3	33.1	33.1	62.1	41.2	63.0	50.8	67.9
South Korea	51.4	26.1	20.7	16.3	45.6	17.0	0.6	15.6	18.6

**Table 15**  
**Economic Indicators for Selected Industrial Countries <sup>a</sup>**

Percent

	Average Annual Rate of Growth					1984	1985	1986
	1961-70	1971-75	1976-80	1982	1983			
<b>Industrial production</b>								
United States	5.0	1.8	5.1	-7.2	5.9	11.2	2.0	1.0
Canada	6.2	4.0	3.4	-10.0	5.3	8.8	4.3	NA
Japan	13.6	1.5	6.6	0.4	3.5	11.1	4.6	-0.4
France	5.8	3.0	3.0	-1.5	1.1	1.7	0.8	0.6
Italy	7.0	1.6	5.5	-3.1	-3.2	3.3	1.2	2.7
United Kingdom	2.8	0.6	1.7	2.1	3.9	1.3	4.7	1.9
West Germany	5.8	0.9	3.4	-3.2	0.3	3.3	3.9	2.3
<b>Consumer prices</b>								
United States	2.7	6.7	8.9	6.2	3.2	4.3	3.6	1.9
Canada	2.7	7.3	8.7	10.8	5.8	4.3	4.0	4.2
Japan	5.7	11.5	6.5	2.6	1.9	2.3	2.0	0.6
France	4.1	8.8	10.5	12.0	9.5	7.7	5.8	2.5
Italy	3.9	11.3	16.3	16.4	14.9	10.6	8.6	6.1
United Kingdom	4.1	13.0	14.4	8.6	4.6	5.0	6.1	3.4
West Germany	2.6	6.1	4.0	5.3	3.3	2.4	2.2	-0.2
<b>Export prices (unit values, US dollar basis)</b>								
United States	2.0	12.0	8.3	1.5	1.0	1.4	-0.6	0.4
Canada	1.4	12.2	7.9	3.9	0.2	-0.4	-3.5	-5.2
Japan	-0.4	12.5	8.0	-6.4	-2.4	0.2	-0.6	20.7
France	1.3	15.2	9.2	-5.5	-4.8	-2.9	2.5	NA
Italy	0.5	14.3	10.9	-3.0	-4.4	-5.1	-0.3	21.9
United Kingdom	NA	12.7	15.6	-7.3	-6.2	-5.1	2.3	7.9
West Germany	2.6	16.0	10.5	-2.8	-3.2	-7.1	0	32.0
<b>Import prices (unit values, US dollar basis)</b>								
United States	1.5	16.7	12.5	-2.0	-3.7	1.7	-2.4	-3.3
Canada	1.4	10.6	8.2	-1.1	0.6	1.0	-2.1	-2.3
Japan	0.6	20.4	12.5	-7.4	-5.0	-2.8	-4.3	-13.4
France	0.6	16.0	10.5	-7.2	-7.0	-3.8	-0.4	NA
Italy	1.1	19.6	12.5	-5.3	-6.6	-3.7	-1.0	4.9
United Kingdom	NA	17.0	12.2	-6.1	-5.7	-4.5	0.5	5.1
West Germany	1.5	16.1	12.8	-4.7	-5.2	-4.8	-1.5	9.3

**Table 15 (continued)**  
**Economic Indicators for Selected Industrial Countries <sup>a</sup>**

Percent

	Average Annual Rate of Growth							
	1961-70	1971-75	1976-80	1982	1983	1984	1985	1986
<b>Productivity in manufacturing (output per hour)</b>								
United States	2.7	2.8	1.8	2.2	5.8	4.1	4.4	3.5
Canada	4.1	3.2	2.1	-2.4	6.5	3.1	2.3	-0.5
Japan	10.8	6.2	6.9	6.1	5.4	7.2	7.3	2.7
France	6.7	4.9	4.8	6.1	4.3	3.9	3.4	1.9
Italy	7.1	4.6	5.1	2.0	2.6	6.4	1.6	1.2
United Kingdom	3.6	3.7	1.3	6.2	8.3	5.3	3.6	3.0
West Germany	5.9	4.8	3.8	1.4	5.8	3.7	4.4	1.9
<b>Unit labor costs in manufacturing (in US dollars)</b>								
United States	1.9	5.2	7.3	6.1	-2.5	-0.5	0.6	-0.5
Canada	1.7	7.6	5.5	10.3	-0.2	-2.2	-3.4	2.0
Japan	3.2	17.3	6.1	-12.1	2.5	-3.9	-2.7	42.6
France	1.2	16.3	9.0	-8.1	-7.1	-8.7	0.1	32.8
Italy	4.6	15.6	6.3	-0.7	1.1	-9.5	0.1	31.9
United Kingdom	2.1	13.8	16.4	-10.3	-14.1	-10.3	0.3	18.7
West Germany	5.2	15.6	10.8	-4.2	-5.3	-9.4	-3.0	39.8
<b>Export volume</b>								
United States	5.9	7.4	6.6	-10.5	-6.4	7.2	-1.6	0.8
Canada	9.8	2.8	6.2	0.4	8.3	22.6	4.0	4.2
Japan	17.5	9.9	9.5	-2.2	8.4	15.4	4.9	-1.2
France	8.5	7.6	6.7	-2.9	3.4	6.5	1.9	0.2
Italy	12.8	6.2	5.9	1.1	4.2	5.1	6.1	6.0
United Kingdom	4.8	4.5	5.1	3.2	1.6	8.7	5.8	1.8
West Germany	9.5	4.6	6.2	2.9	-0.2	9.6	6.4	2.2
<b>Import volume</b>								
United States	8.7	2.5	6.6	-4.6	9.9	24.1	8.7	10.8
Canada	7.9	9.2	3.2	-16.2	15.4	20.6	5.5	4.5
Japan	14.7	3.9	6.2	-0.7	1.4	10.8	0.1	12.8
France	10.9	6.2	8.8	2.9	-1.6	1.6	4.9	8.5
Italy	11.0	0.7	7.5	0.3	0.8	7.4	8.2	7.2
United Kingdom	4.4	3.9	3.4	5.1	8.7	9.5	3.4	3.8
West Germany	10.3	3.5	6.4	1.0	4.0	5.5	4.5	7.8

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



**Table 16**  
**Agricultural Production Index**

1970=100

	1965	1970	1975	1980	1982	1983	1984	1985	1986
Developed countries	92	100	113	122	129	123	132	133	132
United States	98	100	113	124	138	114	133	142	134
Canada	107	100	116	129	151	143	140	144	155
European Community									
France	95	100	108	123	127	123	133	132	129
Italy	89	100	108	120	116	128	119	122	120
United Kingdom	92	100	105	123	123	126	138	130	130
West Germany	85	100	102	111	120	116	125	119	123
Less developed countries	85	100	115	132	142	148	154	158	162
Africa	88	100	108	114	119	117	120	128	132
Far East	81	100	116	133	141	152	155	160	163
Latin America	88	100	114	132	141	141	145	151	149
Middle East	85	100	122	138	149	149	146	153	161
Communist countries									
USSR and Eastern Europe									
USSR <sup>a</sup>	84	100	98	102	108	120	122	122	129
Eastern Europe <sup>b</sup>	91	100	120	127	128	127	136	135	141
Bulgaria	91	100	110	117	130	122	127	118	128
Czechoslovakia	83	100	114	125	126	132	136	135	136
East Germany	94	100	118	126	121	125	132	137	139
Hungary	91	100	125	145	155	153	160	148	150
Poland	92	100	118	114	111	107	117	120	125
Romania	91	100	133	156	157	158	177	170	187
Other									
China <sup>c</sup>	82	100	121	156	184	202	231	NA	NA
North Korea <sup>d</sup>	90	100	154	131	191	183	189	195	180
Yugoslavia	87	100	117	134	145	143	144	135	141

<sup>a</sup> Estimates based on the value of crop production plus the value of livestock output and changes in livestock numbers, but minus feed, seed, and waste. Values have been changed from 1970 average realized prices to 1982 average realized prices.

<sup>b</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.

<sup>c</sup> Index of gross value of agricultural output.

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

**Table 17**  
**Index of Industrial Production for Communist Countries**

1970=100

	1960	1970	1975	1980	1982	1983	1984	1985	1986 <sup>a</sup>
USSR and Eastern Europe <sup>b</sup>									
USSR									
Official	44	100	143	178	190	198	206	214	224
Adjusted	54	100	130	149	152	156	160	164	170
Eastern Europe									
Adjusted	55	100	130	147	144	148	153	155	158
Bulgaria									
Official	34	100	155	206	227	237	247	255	266
Adjusted	34	100	132	156	164	167	171	170	172
Czechoslovakia									
Official	55	100	138	174	179	184	192	198	204
Adjusted	64	100	121	139	143	146	148	150	153
East Germany									
Official	55	100	137	174	188	196	204	213	222
Adjusted	65	100	118	137	141	143	147	151	154
Hungary									
Official	51	100	137	161	170	171	176	177	179
Adjusted	56	100	114	127	130	132	135	136	138
Poland									
Official	45	100	164	207	180	192	202	211	220
Adjusted	51	100	144	148	126	134	138	140	144
Romania									
Official	30	100	184	289	302	321	344	371	399
Adjusted	35	100	155	193	195	200	211	213	221
Other									
North Korea <sup>c</sup>									
Official	30	100	228	433	556	NA	NA	NA	NA
Yugoslavia									
Official	46	100	146	203	213	215	227	233	242
Adjusted	NA	100	132	187	191	193	200	203	209

<sup>a</sup> Preliminary.

<sup>b</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. For example, steel used in producing automobiles is counted in the value of both steel output and automobile output. In

addition to overstatement 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 products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of 1982 value-added weights.

<sup>c</sup> An adjusted index is not available.

**Table 18**  
**Index of Industrial Production for Selected Countries <sup>a</sup>**

1970=100

	1960	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>OECD</b>									
United States	62	100	108	138	131	139	155	158	159
Canada	55	100	121	142	128	135	147	153	NA
Japan	28	100	108	149	151	156	174	182	181
<b>European Community</b>									
France	62	100	115	133	128	129	132	133	134
Italy	50	100	108	129	123	119	123	124	128
United Kingdom	76	100	100	105	103	107	108	114	116
West Germany	60	100	101	120	113	113	118	122	125
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>									
USSR <sup>c</sup>	54	100	130	149	152	156	160	164	170
Eastern Europe	<b>55</b>	<b>100</b>	<b>130</b>	<b>147</b>	<b>144</b>	<b>148</b>	<b>153</b>	<b>155</b>	<b>158</b>
Bulgaria	34	100	132	156	164	167	171	170	172
Czechoslovakia	64	100	121	139	143	146	148	150	153
East Germany	65	100	118	137	141	143	147	151	154
Hungary	56	100	114	127	130	132	135	136	138
Poland	51	100	144	148	126	134	138	140	144
Romania	35	100	155	193	195	200	211	213	221
<b>Other</b>									
China <sup>d</sup>	57	100	159	240	269	297	339	400	437
Yugoslavia	NA	100	132	187	191	193	200	203	209

<sup>a</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 17 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>b</sup> Preliminary.

<sup>c</sup> Index of gross values of output for individual commodities and branches are aggregated by 1982 value-added weights. The three sectors covered—materials, machinery, and non-durable consumer goods—constitute 50 percent, 33 percent, and 17 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>d</sup> CIA estimates for 1960-75 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. The index for 1980-86 follows the trend for reported gross value of industrial output.

**Table 19**  
**Defense Expenditures as a Share of Gross National Product**

Percent

	1965	1970	1975	1978	1979	1980	1981	1982	1983	1984
<b>OECD<sup>a</sup></b>										
Australia	4.4	3.3	2.2	2.3	2.3	2.5	2.6	2.7	2.9	2.9
Austria	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.3	1.3	1.3
Belgium	3.1	2.9	3.0	3.3	3.3	3.3	3.5	3.4	3.3	3.1
Canada	3.0	2.4	1.9	2.0	1.9	1.9	1.9	2.2	2.1	2.2
Denmark	2.8	2.3	2.5	2.4	2.4	2.5	2.6	2.6	2.5	2.4
Finland	1.7	1.5	1.5	1.4	1.5	1.6	1.5	1.6	1.7	1.5
France	5.2	4.2	3.8	4.0	3.9	4.0	4.1	4.1	4.2	4.1
Greece	3.5	4.7	6.6	6.5	6.1	5.5	6.8	6.8	6.3	7.2
Ireland	1.4	1.1	1.8	1.6	1.6	1.7	1.6	1.9	1.9	1.8
Italy	3.3	2.5	2.5	2.4	2.4	2.4	2.5	2.6	2.7	2.7
Japan	1.0	0.8	0.9	0.9	1.0	0.9	0.9	1.0	1.0	1.0
Luxembourg	1.4	0.8	0.8	0.8	0.8	0.9	1.0	0.9	0.9	0.9
Netherlands	4.0	3.4	3.2	3.1	3.2	3.1	3.2	3.2	3.2	3.2
New Zealand	2.1	2.0	1.7	1.7	1.6	1.9	2.1	2.2	2.1	1.9
Norway	3.8	3.5	3.3	3.3	3.2	3.0	3.0	3.1	3.2	2.9
Portugal	6.0	6.5	5.3	3.5	3.5	3.6	3.7	3.6	3.5	3.5
Spain	2.7	3.1	2.7	1.7	1.8	1.9	2.0	2.1	2.1	2.2
Sweden	3.9	3.6	3.3	3.2	3.2	3.1	3.2	3.3	3.2	3.1
Switzerland	2.6	2.1	1.9	2.0	2.1	2.0	1.9	2.0	2.0	2.0
Turkey	5.0	4.2	5.8	5.2	4.4	4.4	5.0	5.3	5.0	4.5
United Kingdom	5.9	4.7	4.9	4.6	4.7	5.0	4.8	5.0	5.3	5.3
United States	7.2	7.6	5.6	4.8	4.9	5.2	5.5	6.1	6.3	6.2
West Germany	4.3	3.3	3.6	3.3	3.2	3.3	3.4	3.4	3.4	3.3
Less developed countries	NA	5.8	6.6	6.2	5.8	5.7	5.9	6.2	6.2	6.0
<b>OPEC</b>	NA	5.6	9.8	9.6	7.8	7.7	8.5	9.0	9.5	9.4
Iran	NA	7.8	17.6	16.6	8.2	6.6	6.8	6.7	5.2	7.2
Nigeria	NA	5.9	5.5	3.6	2.8	2.7	2.8	2.3	2.2	1.7
Saudi Arabia	NA	11.9	17.4	15.9	18.1	14.4	12.9	15.7	23.4	21.3

<sup>a</sup> Except for the United States, data are from the United States Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, 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.

**Table 20**  
**Metal Prices**

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
Aluminum <sup>a</sup> (US cents per pound)	27.23	24.50	28.72	39.79	71.64	76.00	77.70	81.00	81.00	81.00
Copper <sup>b</sup> (US cents per pound)	30.74	58.51	64.17	55.85	98.68	67.10	72.00	62.40	64.50	62.30
Lead <sup>c</sup> (US cents per pound)	9.02	14.39	13.78	18.66	41.10	24.70	19.30	20.00	17.70	18.40
Nickel <sup>d</sup> (US cents per pound)	74.00	78.70	129.00	205.83	347.25	320.00	320.00	320.00	320.00	320.00
Tin <sup>e</sup> (US cents per pound)	99.60	179.40	166.70	310.20	761.30	581.60	590.90	556.60	543.20	280.80
Zinc <sup>e</sup> (US cents per pound)	11.09	14.11	13.40	33.68	34.40	33.70	34.70	41.50	35.40	34.50
Silver <sup>f</sup> (US \$ per troy ounce)	0.91	1.29	1.77	4.42	20.70	7.90	11.40	8.10	6.10	5.50
Gold <sup>e</sup> (US \$ per troy ounce)	35.28	35.13	35.98	160.47	612.10	375.50	424.40	360.00	317.20	366.10
Platinum <sup>g</sup> (US \$ per troy ounce)	83.21	98.04	132.50	164.50	439.50	475.00	475.00	475.00	475.00	517.00
Iron ore <sup>h</sup> (US \$ per metric ton)	17.00	16.00	15.00	23.00	27.00	26.00	24.00	24.00	23.00	22.00
Manganese ore (US \$ per long ton)	45.00	39.00	28.00	70.60	78.50	79.90	73.30	69.80	68.40	65.50
Steel scrap <sup>i</sup> (US \$ per long ton)	33.20	34.27	44.95	71.86	91.20	63.10	73.20	36.40	74.40	73.40
Chrome ore <sup>j</sup> (US \$ per metric ton)	18.93	19.31	23.12	39.78	55.00	50.90	50.00	50.00	43.90	40.00
Finished steel composite <sup>k</sup> (US \$ per long ton)	139.00	142.60	171.30	293.40	486.20	567.30	590.20	611.60	617.80	555.40

<sup>a</sup> Virgin unalloyed ingot at New York.<sup>b</sup> London Metal Exchange electrolytic wirebars.<sup>c</sup> London Metal Exchange refined pig lead, minimum 99.97 percent.<sup>d</sup> US major producer of cathodes, spot, f.o.b. refinery.<sup>e</sup> London Metal Exchange.<sup>f</sup> US price (New York).<sup>g</sup> Major producers, New York.<sup>h</sup> Brazil (North Sea ports).<sup>i</sup> Number 1, heavy melting average.<sup>j</sup> South African ports.<sup>k</sup> Weighted index of steel shapes.

**Table 21**  
**Agricultural Prices**

US \$ per metric ton

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
Beef <sup>a</sup>	NA	882	1,304	1,327	2,760	2,368	2,449	2,227	2,130	2,099
Cocoa <sup>b</sup>	NA	355	655	1,239	2,502	1,638	2,030	2,341	2,176	1,969
Coffee <sup>c</sup>	915	1,005	1,147	1,442	3,399	3,086	2,910	3,175	3,153	3,770
Corn <sup>d</sup>	57	64	66	130	150	123	148	150	125	101
Cotton <sup>e</sup>	NA	NA	NA	1,434	2,055	1,642	1,890	1,409	1,276	1,048
Palm oil <sup>f</sup>	228	273	260	429	583	445	502	730	501	257
Rice <sup>g</sup>	NA	NA	188	417	598	481	514	514	484	348
Rubber, natural <sup>h</sup>	842	567	465	659	1,620	1,001	1,239	1,093	926	944
Soybeans <sup>i</sup>	92	117	117	220	296	244	282	283	225	208
Soybean meal <sup>j</sup>	78	94	103	155	257	219	238	197	157	185
Soybean oil <sup>k</sup>	224	270	291	563	598	447	527	727	571	342
Sugar <sup>l</sup>	NA	47	83	452	640	186	187	114	89	133
Tea <sup>m</sup>	1,422	1,280	1,092	1,375	2,235	1,929	1,982	2,319	1,984	1,929
Wheat <sup>n</sup>	NA	NA	64	156	209	187	183	182	169	148

<sup>a</sup> Boneless Australian, f.o.b., New York.<sup>b</sup> New York cocoa bean futures prices. Average of nearest three active futures trading months.<sup>c</sup> Other milds, New York.<sup>d</sup> US No. 3 yellow, c.i.f., Rotterdam.<sup>e</sup> World Cotton Prices, "A" index, c.i.f., OSAKA.<sup>f</sup> Malaysian, Europe.<sup>g</sup> US No. 2, milled, 4 percent, c.i.f., Rotterdam.<sup>h</sup> Smoked sheets, New York.<sup>i</sup> US No. 2, yellow, c.i.f., Rotterdam.<sup>j</sup> US, c.i.f., Rotterdam.<sup>k</sup> Netherlands, f.o.b., ex-mill.<sup>l</sup> World raw cane, f.o.b., Caribbean ports, spot prices.<sup>m</sup> London, average price all teas.<sup>n</sup> US No. 2, DNS, c.i.f., Rotterdam.

**Table 22**  
**World Crude Oil Prices***US \$ per barrel*

	1973	1974	1975	1979	1980	1982	1983	1984	1985	1986
OPEC official average sales price <sup>a</sup>	3.39 <sup>b</sup>	11.28	11.02	18.67	30.87	33.63	29.31	28.70	28.14	23.49
World average price	NA	NA	NA	NA	NA	NA	NA	NA	27.16	15.35

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

<sup>b</sup> Posted prices.

**Table 23**  
**Wholesale Price Index in Non-Communist Countries <sup>a</sup>***1970 = 100*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	85	100	148	224	254	259	264	266	263
Canada	81	100	168	269	315	328	343	352	355
Japan	89	100	149	192	195	194	194	192	183
<b>European Community</b>									
Belgium	82	100	136	161	184	190	196	201	195
France	77	100	149	217	268	298	337	352	342
Italy	77	100	192	394	534	599	658	711	743
Netherlands	81	100	138	177	205	203	214	216	191
United Kingdom	74	100	185	369	436	460	488	515	538
West Germany	88	100	133	161	179	181	187	191	185

<sup>a</sup> Producer prices in manufacturing.

**Table 24**  
**Consumer Price Index**

1970=100

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	76	100	139	212	249	257	267	277	282
Canada	77	100	142	217	270	286	298	310	323
Japan	57	100	172	237	255	260	266	272	273
<b>European Community</b>									
Belgium	74	100	150	204	238	256	272	286	290
France	67	100	153	252	320	351	378	400	410
Italy	68	100	171	365	506	582	643	699	741
Netherlands	66	100	151	202	229	235	243	249	249
United Kingdom	67	100	184	360	438	458	481	510	527
West Germany	77	100	135	165	184	190	195	199	199
<b>Communist countries</b>									
USSR <sup>a</sup>	94	100	110	120	129	131	132	136	137
<b>Eastern Europe <sup>b</sup></b>									
Bulgaria	73	100	116	161	168	175	179	184	194
Czechoslovakia	73	100	111	126	130	132	134	137	138
East Germany	89	100	102	112	117	116	119	122	122
Hungary	81	100	122	166	188	204	220	239	258
Poland	78	100	130	202	473	575	667	779	952
Romania	NA	100	116	139	177	186	188	180	180
<b>Other</b>									
China <sup>c</sup>	93	100	101	115	120	123	126	141	151
Yugoslavia <sup>d</sup>	32	100	241	561	1,039	1,464	2,243	3,892	7,359

<sup>a</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 1982 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>b</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 is presented in Thad P. Alton, Gregor Lazarcik, Elizabeth M. Bass, and Wassyl Znayenko, "Official and Alternative Consumer

Price Indexes in Eastern Europe: Selected Years, 1960-81," *Occasional Paper No. 73 of the Research Project on National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1982).

<sup>c</sup> Cost-of-living index for workers and staff members. Chinese official statistics.

<sup>d</sup> Cost-of-living index from official Yugoslav statistics.



**Table 25**  
**Population***Million persons at midyear*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>641.7</b>	<b>715.8</b>	<b>751.2</b>	<b>780.8</b>	<b>792.5</b>	<b>798.0</b>	<b>803.3</b>	<b>808.7</b>	<b>814.3</b>
United States	180.7	205.1	216.0	227.7	232.5	234.8	237.0	239.3	241.6
Australia	10.4	12.7	13.8	14.8	15.1	15.3	15.5	15.7	15.9
Austria	7.0	7.5	7.6	7.5	7.6	7.6	7.6	7.6	7.6
Canada	17.9	21.3	22.7	24.1	24.7	24.9	25.1	25.4	25.6
Finland	4.4	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.9
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	104.3	111.6	116.8	118.5	119.3	120.0	120.8	121.4
New Zealand	2.4	2.8	3.1	3.1	3.2	3.2	3.2	3.3	3.3
Norway	3.6	3.9	4.0	4.1	4.1	4.1	4.1	4.2	4.2
Sweden	7.5	8.0	8.2	8.3	8.3	8.3	8.3	8.4	8.4
Switzerland	5.4	6.3	6.4	6.4	6.5	6.5	6.5	6.5	6.6
Turkey	28.2	35.8	40.5	45.1	47.3	48.4	49.5	50.7	51.8
<b>European Community</b>	<b>280.0</b>	<b>303.4</b>	<b>312.5</b>	<b>318.0</b>	<b>319.8</b>	<b>320.5</b>	<b>321.2</b>	<b>322.0</b>	<b>322.8</b>
Belgium	9.1	9.6	9.8	9.8	9.9	9.9	9.9	9.9	9.9
Denmark	4.6	4.9	5.1	5.1	5.1	5.1	5.1	5.1	5.1
France	45.7	50.8	52.8	53.9	54.4	54.6	54.9	55.2	55.4
Greece	8.3	8.8	9.0	9.6	9.8	9.8	9.9	9.9	10.0
Ireland	2.8	3.0	3.2	3.4	3.5	3.5	3.5	3.5	3.5
Italy	50.2	53.7	55.6	56.5	56.6	56.8	57.0	57.1	57.2
Luxembourg	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	13.0	13.7	14.1	14.3	14.4	14.4	14.5	14.6
Portugal	9.0	9.0	9.4	9.8	9.9	10.0	10.1	10.2	10.2
Spain	30.6	33.9	35.6	37.5	38.0	38.2	38.4	38.6	38.8
United Kingdom	52.4	55.6	56.2	56.3	56.3	56.4	56.5	56.6	56.8
West Germany	55.4	60.7	61.8	61.6	61.6	61.4	61.2	61.0	61.0
<b>Less developed countries</b>									
Bangladesh	54.6	67.4	76.3	88.1	93.3	95.9	98.7	101.4	104.2
Brazil	71.7	95.7	108.7	123.2	129.7	133.1	136.5	140.0	143.5
Burma	22.8	27.4	30.2	33.4	35.0	35.7	36.5	37.2	38.0
Egypt	26.8	33.6	37.0	42.2	45.1	46.4	47.8	49.1	50.5
India	445.9	555.0	621.0	689.0	719.8	735.6	751.6	767.7	783.9
Indonesia	100.7	122.7	137.5	154.9	162.1	165.8	169.4	173.1	176.7

**Table 25 (continued)**  
**Population***Million persons at midyear*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Less developed countries (continued)</b>									
Iran	21.6	28.9	33.4	39.2	42.2	43.8	45.4	47.0	48.6
Mexico	38.6	52.8	61.5	70.1	73.6	75.3	76.9	78.6	80.2
Nigeria	51.1	66.8	77.1	90.0	95.9	97.7	99.9	102.8	105.5
Pakistan	50.4	65.7	74.7	85.2	91.3	93.7	96.2	99.0	101.8
Philippines	28.6	38.7	44.4	50.9	53.7	55.2	56.7	58.3	59.9
South Korea	24.8	32.2	35.3	38.1	39.3	39.9	40.5	41.1	41.6
Thailand	27.5	37.1	42.3	46.9	48.9	49.8	50.8	51.8	52.7
<b>Communist countries</b>	<b>1,039.3</b>	<b>1,264.7</b>	<b>1,387.0</b>	<b>1,475.9</b>	<b>1,510.8</b>	<b>1,529.6</b>	<b>1,548.0</b>	<b>1,565.5</b>	<b>1,584.4</b>
USSR and Eastern Europe	310.9	345.8	360.9	375.7	381.5	384.5	387.5	390.5	393.5
USSR	214.3	242.8	254.8	266.4	271.1	273.6	276.3	278.9	281.5
Eastern Europe	96.6	103.0	106.1	109.3	110.4	110.8	111.3	111.7	112.1
Bulgaria	7.9	8.5	8.7	8.8	8.9	8.9	8.9	8.9	9.0
Czechoslovakia	13.7	14.3	14.8	15.3	15.4	15.4	15.5	15.5	15.5
East Germany	17.1	17.1	16.8	16.7	16.7	16.7	16.7	16.6	16.6
Hungary	10.0	10.3	10.5	10.7	10.7	10.7	10.7	10.6	10.6
Poland	29.6	32.5	34.0	35.6	36.2	36.6	36.9	37.2	37.5
Romania	18.4	20.3	21.2	22.2	22.5	22.6	22.6	22.7	22.8
<b>Other</b>									
Albania	1.6	2.1	2.4	2.7	2.8	2.8	2.9	3.0	3.0
Cambodia	5.4	7.1	6.7	5.7	5.9	6.0	6.1	6.2	6.4
China	650.7	820.4	917.9	983.4	1,008.2	1,021.5	1,034.4	1,046.2	1,059.4
Cuba	7.0	8.5	9.3	9.7	9.8	9.9	10.0	10.1	10.2
Laos	2.3	2.8	3.2	3.3	3.4	3.5	3.5	3.6	3.7
Mongolia	1.0	1.2	1.4	1.7	1.8	1.8	1.9	1.9	2.0
North Korea	10.5	13.9	15.9	17.9	18.7	19.2	19.6	20.4	20.9
Vietnam	31.5	42.4	47.9	53.6	56.2	57.6	59.0	60.5	62.0
Yugoslavia	18.4	20.4	21.3	22.3	22.6	22.8	23.0	23.1	23.3

**Table 26**  
**Labor Force <sup>a</sup>***Million persons at midyear*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	71.49	84.89	95.45	108.54	111.87	113.23	115.24	117.17	119.54
Canada <sup>b</sup>	6.58	8.49	10.05	11.65	12.03	12.26	12.47	12.72	12.95
Japan <sup>b</sup>	44.33	50.97	52.77	55.98	57.22	58.35	58.72	59.06	59.66
<b>European Community</b>									
France	20.04	21.36	22.37	23.36	23.73	23.71	23.86	23.87	24.08
Italy	21.19	20.10	20.43	21.53	21.79	21.94	22.07	22.20	22.37
United Kingdom	24.65	25.48	26.07	26.84	26.90	26.94	27.28	27.46	27.47
West Germany <sup>b</sup>	26.28	26.74	26.65	27.05	27.24	27.28	27.40	27.63	27.83
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>158</b>	<b>178</b>	<b>191</b>	<b>203</b>	<b>206</b>	<b>207</b>	<b>208</b>	<b>209</b>	<b>210</b>
USSR <sup>c</sup>	110.13	125.57	136.64	147.37	150.28	151.43	152.44	153.32	154.10
Eastern Europe <sup>d</sup>	<b>47.4</b>	<b>52.3</b>	<b>54.3</b>	<b>55.3</b>	<b>55.6</b>	<b>55.7</b>	<b>55.8</b>	<b>56.0</b>	<b>56.4</b>
Bulgaria <sup>b</sup>	4.83	5.08	5.20	5.23	5.20	5.19	5.18	5.17	5.16
Czechoslovakia	6.25	7.25	7.65	7.94	7.97	7.99	8.02	8.06	8.14
East Germany	7.99	8.22	8.40	8.72	8.81	8.87	8.92	8.94	8.96
Hungary	4.68	5.00	5.09	5.04	4.99	4.96	4.93	4.90	4.88
Poland	14.13	16.85	17.88	18.06	18.19	18.22	18.30	18.42	18.61
Romania	9.53	9.88	10.11	10.34	10.40	10.44	10.48	10.54	10.63
<b>Other</b>									
China <sup>e</sup>	258.80	344.32	381.68	418.96	447.06	460.04	475.97	498.73	NA
Cuba <sup>d</sup>	NA	2.40	NA	3.00	3.10	3.20	3.40	3.40	3.50
Vietnam <sup>g</sup>	8.50	10.95	12.50	26.50	27.90	29.00	30.10	31.20	31.90
Yugoslavia <sup>h</sup>	8.42	8.05	8.33	9.00	9.21	9.34	9.40	9.53	9.61

<sup>a</sup> Unless otherwise indicated, data include the armed forces and the unemployed.

<sup>b</sup> Annual averages of monthly data.

<sup>c</sup> Data are from *Revised and Updated Estimates and Projections of Labor Force and Employment in the USSR*, by Stephen Rapawy and Ward Kingkade US Bureau of the Census, unpublished draft, December 1986.

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

<sup>e</sup> Data are as of the end of the year.

<sup>f</sup> Employment data.

<sup>g</sup> Excluding the armed forces and prior to 1980, South Vietnam.

<sup>h</sup> Excludes workers temporarily employed abroad.

**Table 27**  
**Agricultural Labor Force**

Million persons at midyear

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	5.57	3.57	3.50	3.53	3.57	3.54	3.47	3.34	3.35
Canada	0.80	0.60	0.56	0.58	0.56	0.59	0.59	0.59	0.59
Japan	12.80	8.49	6.38	5.51	5.25	5.06	4.86	4.82	4.69
<b>European Community</b>									
France	4.30	2.75	2.16	1.85	1.74	1.68	1.63	1.58	NA
Italy	6.51	3.84	3.24	2.90	2.52	2.52	2.39	2.26	NA
United Kingdom	1.12	0.78	0.68	0.65	0.64	0.64	0.63	0.63	0.62
West Germany	3.62	2.26	1.77	1.44	1.40	1.39	1.39	1.39	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>65.3</b>	<b>53.2</b>	<b>49.9</b>	<b>47.0</b>	<b>47.2</b>	<b>47.2</b>	<b>47.2</b>	<b>46.8</b>	<b>46.3</b>
USSR <sup>a</sup>	45.44	36.97	36.08	34.72	34.66	34.75	34.82	34.52	34.08
Eastern Europe	<b>19.9</b>	<b>16.2</b>	<b>13.8</b>	<b>12.3</b>	<b>12.5</b>	<b>12.5</b>	<b>12.4</b>	<b>12.3</b>	<b>12.2</b>
Bulgaria	2.16	1.46	1.19	1.04	0.99	0.96	0.93	0.91	0.88
Czechoslovakia	1.49	1.20	1.06	0.99	0.99	0.98	0.99	0.99	1.00
East Germany	1.28	0.98	0.88	0.87	0.87	0.89	0.91	0.91	0.92
Hungary	1.67	1.18	1.02	0.99	1.02	1.02	1.00	0.96	0.92
Poland	7.01	6.45	5.74	5.32	5.63	5.65	5.55	5.49	5.49
Romania	6.25	4.94	3.93	3.11	2.99	3.00	3.03	3.03	3.00
<b>Other</b>									
China <sup>b</sup>	170.19	278.14	294.60	302.11	320.13	325.10	325.33	311.88	NA
Cuba <sup>c</sup>	NA	0.92 <sup>d</sup>	0.92	0.77	0.77	0.79	0.75	0.75	0.75
Vietnam <sup>e</sup>	6.50	7.65	8.70	15.65	19.30	19.70	20.20	20.60	20.70
Yugoslavia <sup>e</sup>	4.81	4.31	3.60	2.71	2.36	2.27	2.20	2.16	2.14

<sup>a</sup> Data are from *Revised and Updated Estimates and Projections of Labor Force and Employment in the USSR*, by Stephen Rapawy and Ward Kingkade, US Bureau of the Census, unpublished draft, December 1986

<sup>b</sup> Yearend data, series revised in 1985.

<sup>c</sup> Employment data.

<sup>d</sup> Data are for 1971.

<sup>e</sup> Including South Vietnam beginning in 1980.

**Table 28**  
**Nonagricultural Labor Force <sup>a</sup>**

*Million persons at midyear*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	65.92	81.32	91.95	105.02	108.30	109.68	111.77	113.83	116.19
Canada	5.79	7.88	9.49	11.06	11.48	11.67	11.89	12.13	12.36
Japan	31.53	42.48	46.39	50.47	51.97	53.29	53.86	54.24	54.97
<b>European Community</b>									
France	15.74	18.61	20.21	21.51	21.99	22.03	22.23	22.29	NA
Italy	14.68	16.26	17.19	18.63	19.26	19.42	19.68	19.94	NA
United Kingdom	23.53	24.70	25.39	26.19	26.26	26.30	26.65	26.83	26.85
West Germany	22.66	24.48	24.88	25.61	25.84	25.89	26.01	26.24	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>92.3</b>	<b>124.7</b>	<b>141.1</b>	<b>155.6</b>	<b>158.7</b>	<b>159.9</b>	<b>161.0</b>	<b>162.6</b>	<b>164.2</b>
USSR <sup>b</sup>	64.70	88.60	100.56	112.65	115.62	116.68	117.62	118.80	120.02
Eastern Europe	<b>27.6</b>	<b>36.1</b>	<b>40.5</b>	<b>43.0</b>	<b>43.1</b>	<b>43.2</b>	<b>43.4</b>	<b>43.8</b>	<b>44.2</b>
Bulgaria	2.67	3.62	4.01	4.20	4.21	4.23	4.25	4.26	4.28
Czechoslovakia	4.75	6.05	6.58	6.95	6.98	7.01	7.03	7.07	7.14
East Germany	6.72	7.24	7.52	7.85	7.94	7.99	8.01	8.03	8.04
Hungary	3.01	3.81	4.07	4.06	3.97	3.93	3.93	3.95	3.96
Poland	7.12	10.40	12.14	12.75	12.56	12.57	12.75	12.93	13.12
Romania <sup>c</sup>	3.28	4.94	6.19	7.23	7.41	7.44	7.45	7.52	7.62
<b>Other</b>									
China <sup>d</sup>	88.61	66.18	87.08	116.85	126.93	134.94	150.59	186.85	NA
Vietnam <sup>e</sup>	2.00	3.30	3.80	10.85	8.60	9.30	9.90	10.60	11.20
Yugoslavia <sup>f</sup>	3.62	3.74	4.74	6.29	6.85	7.07	7.20	7.37	7.48

<sup>a</sup> Unless otherwise indicated, data include the armed forces.

<sup>b</sup> Data are from *Revised and Updated Estimates and Projections of Labor Force and Employment in the USSR*, by Stephen Rapawy and Ward Kingkade, US Bureau of the Census, unpublished draft, December 1986.

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

<sup>d</sup> Yearend data, series revised in 1985.

<sup>e</sup> Excluding the armed forces and prior to 1980, South Vietnam.

<sup>f</sup> Excluding those employed abroad and the armed forces.

**Table 29**  
**Industrial Employment <sup>a</sup>***Million persons, annual average*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	22.00	26.08	25.30	29.14	27.07	27.02	28.62	28.80	29.13
Canada	1.91	2.36	2.61	2.93	2.70	2.62	2.72	2.76	2.83
Japan	12.38	17.88	18.37	19.18	19.21	19.47	19.63	19.82	19.76
<b>European Community</b>									
France	6.98	7.81	7.88	7.46	7.13	6.94	6.68	6.46	NA
Italy	6.86	7.59	7.66	7.77	7.59	7.40	7.04	6.89	NA
United Kingdom	10.90	10.53	9.65	9.07	7.86	7.52	7.50	7.48	7.36
West Germany	11.91	12.46	11.24	11.14	10.48	10.11	10.02	10.01	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>34.6</b>	<b>47.0</b>	<b>51.2</b>	<b>54.9</b>	<b>55.5</b>	<b>55.7</b>	<b>56.0</b>	<b>56.3</b>	NA
USSR	22.62	31.59	34.05	36.89	37.61	37.83	37.96	38.10	NA
Eastern Europe	<b>12.0</b>	<b>15.4</b>	<b>17.2</b>	<b>18.0</b>	<b>17.9</b>	<b>17.9</b>	<b>18.0</b>	<b>18.2</b>	<b>18.2</b>
Bulgaria	0.77	1.16	1.30	1.37	1.40	1.41	1.41	1.41	1.40
Czechoslovakia	2.27	2.71	2.88	2.95	2.96	2.97	2.98	2.99	3.00
East Germany <sup>b</sup>	3.18	3.26	3.30	3.39	3.44	3.46	3.48	3.50	3.52
Hungary <sup>b</sup>	1.39	1.79	1.79	1.66	1.61	1.60	1.66	1.69	1.68
Poland	3.16	4.45	5.15	5.25	4.99	4.97	5.00	5.00	5.01
Romania <sup>b</sup>	1.26	2.07	2.80	3.33	3.47	3.53	3.52	3.58	3.59
<b>Other</b>									
China <sup>b</sup>	29.79	28.09	42.84	56.00	59.30	60.23	63.38	NA	NA
Cuba <sup>c</sup>	NA	0.57 <sup>d</sup>	0.68	0.85	0.89	0.91	0.99	1.02	1.05
Vietnam <sup>c</sup>	0.75	1.10	1.25	2.15	2.25	2.25	2.35	2.35	2.40
Yugoslavia	1.05	1.44	1.82	2.16	2.31	2.37	2.45	2.53	2.63

<sup>a</sup> Including employment in manufacturing, mining, and construction.<sup>b</sup> Yearend data.<sup>c</sup> State sector only.<sup>d</sup> Data are for 1971.<sup>e</sup> Including South Vietnam beginning in 1980.

**Table 30**  
**Big Seven: Unemployment Rates <sup>a</sup>**

Percent

	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
United States	5.5	4.9	8.5	7.1	7.5	9.6	9.4	7.4	7.1	6.9
Canada	7.0	5.7	6.9	7.5	7.5	11.1	11.9	11.3	10.5	9.6
France	1.8	2.6	4.3	6.2	7.6	8.4	8.6	9.8	10.2	10.4
Italy <sup>b</sup>	3.8	3.1	3.2	3.8	4.2	4.6	5.0	5.0	5.0	NA
Japan	1.7	1.2	1.9	2.0	2.2	2.4	2.7	2.7	2.6	2.8
United Kingdom <sup>c</sup>	2.2	3.1	4.1	6.5	10.0	11.6	10.7	11.1	11.3	11.6
West Germany	1.1	0.6	4.1	4.0	5.6	7.7	9.2	9.1	9.3	8.9

<sup>a</sup> Unemployment as a share of total civilian labor force.

<sup>b</sup> Data adjusted to US concepts.

<sup>c</sup> Excluding Northern Ireland.

**Table 31**  
**Big Seven: Personal Savings Rates <sup>a</sup>**

Percent

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States	5.8	8.1	9.2	7.1	6.8	5.4	6.3	5.1	3.9
Canada	3.3	5.5	12.5	13.4	17.0	14.1	14.7	13.6	11.3
Japan	17.4	18.2	22.8	17.9	16.5	16.3	16.0	16.0	16.5
France	9.8	12.8	15.2	11.3	12.2	10.8	10.0	9.0	8.9
Italy	NA	19.1	22.6	20.3	20.0	18.9	19.1	19.7	20.5
United Kingdom	7.2	9.5	12.7	15.1	12.8	11.8	11.7	11.1	11.0
West Germany	8.5	14.8	15.1	12.8	12.8	11.2	11.6	11.4	11.9

<sup>a</sup> Savings as a share of disposable personal income.

**Table 32**  
**Foreign Trade Exchange Rates of the Communist Countries <sup>a</sup>**

Units per US \$

	Unit of Currency	1971	1973	1975	1977	1980	1981	1982	1983	1984	1985	1986
USSR	Ruble	0.900	0.739	0.720	0.737	0.649	0.719	0.726	0.743	0.816	0.838	0.704
Eastern Europe												
Bulgaria	Lev	1.17	0.97	0.97	0.95	0.86	0.95	0.95	0.97	1.01	1.03	0.95
Czechoslovakia	Koruna	7.20	5.84	5.58	5.64	5.38	5.88	6.12	6.32	6.65	6.79	6.00
East Germany <sup>b</sup>	Deutsche mark east	4.20	3.48	3.48	3.48	3.30	3.32	3.46	3.54	3.64	3.70	3.55
Hungary <sup>c</sup>	Forint	11.74	9.50	8.57	40.96	32.54	34.31	36.63	42.67	48.04	50.09	45.83
Poland	Zloty	4.00	3.32	3.32	3.32	3.05	3.36	84.82	91.62	113.72	147.18	175.29
Romania	Leu	6.00	4.97	4.97	4.97	4.47	15.00	15.00	17.18	21.28	17.14	16.15
Other												
Albania	Lek	5.00	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
Cambodia	Riel	NA	NA	NA	NA	NA	NA	4.00	4.00	7.00	7.00	30.00
China	Yuan	2.39	2.01	1.96	1.86	1.50	1.71	1.89	1.98	2.32	2.94	3.45
Cuba	Peso	1.00	0.84	0.83	0.82	0.72	0.71	0.78	0.86	0.88	0.92	0.83
Laos	Kip	NA	NA	NA	NA	30.00	30.00	35.00	35.00	35.00	35.00	35.00
Mongolia	Tugrik	NA	3.31	NA	3.30	NA	NA	3.23	NA	NA	NA	NA
North Korea <sup>d</sup>	Won	2.36	2.06	2.02	2.02	1.77	1.85	2.00	NA	NA	NA	NA
Vietnam	Dong	NA	NA	NA	2.30	2.80	9.00	9.00	11.00	10.50	15.00	80.00
Yugoslavia	Dinar	14.88	16.24	17.34	18.29	24.64	34.97	50.28	92.84	152.82	270.16	379.22

<sup>a</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>b</sup> The unofficial rates actually used in East German accounting of foreign trade transactions. East Germany maintains that an East German mark is equivalent to a West German mark.

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

<sup>d</sup> End of year rate. Noncommercial rate through 1977. Data for 1980-82 are estimated.



**Table 33**  
**East European Debt, by Source**

Million US \$

	1971	1975	1977	1980	1981	1982	1983	1984	1985	1986 <sup>a</sup>
Eastern Europe <sup>b</sup>	<b>9,249</b>	<b>29,817</b>	<b>46,287</b>	<b>83,500</b>	<b>85,147</b>	<b>80,568</b>	<b>81,600</b>	<b>79,570</b>	<b>88,180</b>	<b>100,060</b>
Commercial	5,316	23,097	36,186	61,555	58,902	52,778	46,660	41,110	46,940	54,950
Official	3,584	5,779	8,462	18,665	21,182	21,110	27,170	30,620	33,200	37,060
IMF/World Bank/Other	349	941	1,639	3,280	5,063	6,680	7,770	7,840	8,040	8,050
Bulgaria	743	2,640	3,707	3,550	3,050	2,750	2,390	2,260	3,610	4,880
Commercial	442	2,453	3,394	3,215	2,680	2,285	1,915	1,770	3,060	4,150
Official	301	187	313	335	370	465	475	490	550	730
Czechoslovakia	485	1,132	2,616	4,920	4,500	4,050	3,950	3,600	3,830	4,480
Commercial	284	926	2,290	4,060	3,695	3,110	2,935	2,565	2,840	3,380
Official	201	206	326	860	805	940	1,015	1,035	990	1,100
East Germany	1,408	5,388	7,828	14,100	14,900	13,000	12,840	12,150	13,900	16,750
Commercial	693	4,423	6,528	11,255	11,610	9,460	8,875	8,050	10,000	12,850
Official	715	965	1,300	2,845	3,290	3,540	3,965	4,100	3,900	3,900
Hungary	1,071	3,135	5,024	9,090	8,700	7,700	8,260	8,840	11,760	15,090
Commercial	968	3,081	4,965	8,790	8,335	6,940	6,950	6,940	9,760	12,380
Official	103	54	59	300	365	525	740	760	830	1,090
BIS/IMF	0	0	0	0	0	235	570	1,140	1,170	1,620
Poland	1,138	8,014	13,967	25,000	25,500	24,800	26,400	26,800	29,300	33,500
Commercial	340	5,910	9,928	14,900	14,215	13,640	10,900	9,400	10,600	12,100
Official	798	2,104	4,039	10,100	11,285	11,160	15,500	17,400	18,700	21,400
Romania	1,227	2,924	3,605	9,400	10,160	9,780	8,760	7,100	6,600	6,000
Commercial	585	2,024	2,306	6,545	6,167	5,415	4,770	3,430	2,900	2,700
Official	642	706	715	1,670	1,845	1,430	875	1,070	1,100	1,100
IMF/World Bank/ CEMA Banks	0	194	584	1,185	2,148	2,935	3,115	2,600	2,600	2,200
Yugoslavia	3,177	6,584	9,540	17,440	18,337	18,488	19,000	18,820	19,180	19,360
Commercial	2,004	4,280	6,775	12,790	12,200	11,928	10,315	8,955	7,780	7,390
Official	824	1,557	1,710	2,555	3,222	3,050	4,600	5,765	7,130	7,740
IMF/World Bank	349	747	1,055	2,095	2,915	3,510	4,085	4,100	4,270	4,230

<sup>a</sup> Preliminary.<sup>b</sup> Including data for Yugoslavia.

**Table 34**  
**Medium- and Long-Term Debt of Selected Less Developed Countries**

Billion US \$

	1975	1977	1979	1980	1981	1982	1983	1984	1985	1986 <sup>a</sup>
Algeria	5.9	10.2	17.1	17.4	17.0	16.4	15.1	16.3	18.0	19.0
Argentina	4.9	7.5	12.7	16.8	22.8	27.1	35.5	38.2	42.0	44.5
Brazil	23.4	35.0	51.5	56.5	64.6	73.0	78.7	87.0	89.0	90.0
Colombia	2.9	3.1	3.9	5.0	6.2	7.2	8.2	9.4	10.0	10.4
Chile	4.4	4.6	7.5	9.4	12.7	14.0	15.0	17.3	17.8	17.5
Ecuador	0.6	1.3	3.3	4.1	5.3	5.4	6.7	6.8	7.1	7.2
Egypt	5.1	8.3	12.2	14.1	15.6	15.8	18.4	20.6	22.3	23.0
India	12.7	15.0	17.5	18.7	19.8	22.2	24.6	26.1	27.0	28.5
Indonesia	8.7	12.3	16.1	18.1	19.4	24.1	25.9	27.7	28.6	30.5
Iran	4.3	6.2	10.1	10.0	6.9	5.0	4.7	3.1	3.2	3.0
Iraq	0.4	0.7	2.3	2.5	3.0	2.3	4.3	5.2	5.3	7.0
Ivory Coast	0.9	2.0	3.9	4.9	5.2	6.3	6.1	6.2	6.3	6.4
Malaysia	1.8	2.6	3.8	4.4	6.6	9.5	13.1	15.5	16.6	17.0
Mexico	16.6	26.7	37.7	41.0	52.9	59.5	82.3	87.5	88.0	88.0
Morocco	1.8	4.3	6.7	7.5	8.4	9.8	10.4	11.4	11.7	12.3
Nigeria	1.4	1.7	4.2	5.5	7.5	9.9	13.0	12.7	13.2	14.7
Pakistan	5.4	6.9	8.4	9.2	9.2	9.8	9.9	10.4	10.5	10.7
Peru	4.4	6.3	7.1	7.4	7.4	8.6	10.3	11.3	11.5	11.3
Philippines	2.8	5.1	7.2	9.0	10.4	12.0	13.5	14.1	17.7	18.5
Saudi Arabia	1.5	3.0	4.7	5.9	6.4	8.6	8.7	8.3	8.4	8.2
South Korea	6.0	9.5	15.5	18.1	21.4	23.5	26.9	30.0	33.2	32.0
Sudan	1.5	2.4	3.4	4.0	4.7	5.3	5.7	5.7	5.8	5.9
Taiwan	1.9	3.1	3.9	4.9	5.4	6.5	8.2	7.2	7.0	11.0
Thailand	1.4	2.0	4.1	5.8	7.2	8.5	9.7	10.9	13.0	13.2
Venezuela	2.3	6.3	12.3	14.1	15.0	17.1	17.7	23.7	25.2	25.5

<sup>a</sup> Preliminary.

**Table 35**  
**Selected Less Developed Countries:**  
**Vulnerability Ratios <sup>a</sup>**

	1980	1983	1986
Algeria	2.71	... <sup>b</sup>	0.67
Argentina	0.35	1.47	1.69
Brazil	1.28	3.11	1.85
Chile	0.47	1.63	... <sup>b</sup>
China (Taiwan)	0.57	0.70	... <sup>b</sup>
Egypt	0.49	0.69	6.07
India	0.35	0.35	1.18
Indonesia	0.63	0.80	0.85
Iran	6.07	... <sup>b</sup>	... <sup>b</sup>
Iraq	... <sup>b</sup>	0.27	0.40
Libya	1.73	... <sup>b</sup>	... <sup>b</sup>
Mexico	0.78	1.56	3.33
Nigeria	0.45	0.31	3.08
Peru	2.00	0.42	... <sup>b</sup>
Philippines	0.41	100.76	1.38
Singapore	3.66	... <sup>b</sup>	2.08
South Korea	0.44	1.30	... <sup>b</sup>
Thailand	0.92	0.60	5.44
Venezuela	1.06	61.54	... <sup>b</sup>

<sup>a</sup> Ratio of interest payments to net new external borrowing.

<sup>b</sup> Negative ratio because of negative net borrowing.

**Table 36**  
**Less Developed Countries:**  
**Economic Trends**

	Average Annual Data		
	1979-82	1983-86	1987-91 <sup>a</sup>
Growth of world trade ( <i>percent</i> )	5	3	4
OPEC oil price <sup>b</sup> ( <i>US \$ per barrel</i> )	29	27	20
Real nonoil commodity prices ( <i>percent change</i> )	-3	-5	3
Nominal interest rate—LIBOR ( <i>percent</i> )	14	9	7
Real interest rate—LIBOR ( <i>percent</i> )	6	5	4
LDC net external borrowing ( <i>billion US \$</i> )	91	47	40
Foreign investment in LDCs ( <i>billion US \$</i> )	11	10	12
LDC total debt/exports ratio ( <i>percent</i> )	100	150	140
LDC total debt/GNP ratio ( <i>percent</i> )	35	48	45
LDC debt service/exports ratio ( <i>percent</i> )	18	21	20
LDC interest payments/exports ratio ( <i>percent</i> )	10	12	11

<sup>a</sup> Projected.

<sup>b</sup> Market prices.

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A useful starting point for analyzing the 1986-90 plan for the USSR is to compare it with earlier five-year plans and results. If official Soviet measures of actual growth are used in such comparisons, however, the extent of plan fulfillment is exaggerated. These measures are subject to upward bias because of hidden inflation and double counting—problems that appear not to affect plan figures.<sup>1</sup> CIA estimates of Soviet economic growth correct for this upward bias and, therefore, are

better suited than official statistics for comparisons with planned growth.

<sup>1</sup> For discussion of these problems, see Joint Economic Committee, Congress of the United States, *USSR: Measures of Economic Growth and Development, 1950-80* (Washington, US Government Printing Office, 1982), pp.v-vi, 12-13, 212-215, 278-281; and CIA, *Comparing Planned and Actual Growth of Industrial Output in Centrally Planned Economies*, ER 80-10461, August 1980.

Table 37

Percent

USSR: Planned and Actual Economic Growth <sup>a</sup>

	Average annual rate of growth				
	1966-70	1971-75	1976-80	1981-85	1986-90
<b>GNP</b>					
Plan <sup>a</sup>	6.5 to 7.0	5.8	5.0	4.0	4.0
Actual <sup>b</sup>	5.1	3.0	2.3	1.9	NA
<b>Industry</b>					
Plan <sup>c</sup>	8.2	8.0	6.5	4.9	4.6
Actual <sup>b</sup>	6.2	5.5	2.7	2.0	NA
<b>Agriculture</b>					
Plan <sup>c</sup>	5.5	3.7	5.0	5.0	3.3
Actual <sup>d</sup>	3.7	-0.6	0.9	1.9	NA

<sup>a</sup> Weighted average of growth rates of gross value of output from official Soviet plans for industry, agriculture, and other major sectors of origin. Weights are CIA estimates of value added at 1982 factor cost in these sectors.

<sup>b</sup> CIA estimate based on value added at 1982 factor cost.

<sup>c</sup> Official Soviet plan for growth of gross value of output.

<sup>d</sup> CIA estimate of output net of feed, seed, and waste (1982 value).

To circumvent problems with official Soviet measures of economic growth, CIA constructs synthetic estimates of gross national product (GNP) and its major components. Total GNP covers value added by primary inputs of labor and capital in sectors of origin, such as industry and agriculture. Unlike Soviet statistics, CIA estimates of GNP:

- Avoid much of the hidden inflation problem by using quantity data—mostly from Soviet sources—on output of individual products, valued at prices of a fixed base year.
- Include depreciation and services that do not contribute directly to output of material goods.
- Provide improved measures of resource allocation and of growth in the economy's production potential by adjusting valuation from official prices to factor cost.

CIA estimates for industry, like those of GNP, are corrected for hidden inflation in Soviet measures. Moreover, value-added weights for these estimates eliminate much of the double counting—present in official statistics on gross value of output—of inputs sold from one producer to another.

CIA estimates for agriculture, net output, exclude agriculture's use of its own products as inputs but includes inputs from industry and other sectors. For estimating value added, inputs from industry and other sectors are also subtracted. Soviet statistics on gross values of output reflect a good deal of double counting within agriculture, but hidden inflation is not a significant problem.

All GNP estimates in this edition of the *Handbook* are based on values at 1982 factor cost rather than the 1970 values reported previously.

**Table 38**  
**USSR: CIA and Official Soviet Measures of Economic Growth**

Percent

	Average annual rate of growth								
	1966-70	1971-75	1976-80	1981	1982	1983	1984	1985	1986 <sup>a</sup>
<b>Total</b>									
CIA <sup>b</sup>	5.3	3.3	2.3	1.2	2.3	3.1	1.4	0.9	4.2
Soviet <sup>c</sup>	7.8	5.7	4.3	3.3	3.9	4.2	3.2	3.5	4.1
<b>Industry</b>									
CIA <sup>d</sup>	6.2	5.5	2.7	1.3	0.7	2.7	2.6	2.7	3.6
Soviet <sup>e</sup>	8.5	7.4	4.4	3.4	2.9	4.2	4.1	3.9	4.9
<b>Agriculture</b>									
CIA <sup>f</sup>	3.7	-0.6	0.9	-0.7	7.2	6.0	-0.7	-1.7	7.3
Soviet <sup>e</sup>	4.2	0.8	1.6	-1.1	5.6	6.1	-0.1	0.1	5.1

<sup>a</sup> Preliminary.

<sup>b</sup> Net material product derived from GNP by adjustments to exclude depreciation and services that do not contribute directly to output of material goods. Also, weights used to calculate growth are estimates of 1982 value added in established prices, rather than at factor cost.

<sup>c</sup> "National income produced," or net material product.

<sup>d</sup> Value added.

<sup>e</sup> Gross value of output.

<sup>f</sup> Net output.

**Table 39**  
**USSR: Percent Distribution of Gross National Product at Factor Cost,<sup>a</sup> by End Use**

Percent

	1960	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
Total	100	100	100	100	100	100	100	100	100
Consumption <sup>c</sup>	51	49	50	51	50	49	50	50	50
Investment	21	24	26	28	30	30	30	30	31
New fixed <sup>d</sup>	17	20	20	22	23	23	23	23	24
Administration, R&D, elements of defense, inventory change, net exports, and outlays n.e.c.	28	26	24	21	21	21	20	19	19

<sup>a</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, 1982 end-use weights have been revised from an established price basis to a factor

cost basis by subtracting turnover taxes and profits and adding subsidies and implicit capital charges. These revised weights are then moved over time by indexes of the various end uses in constant prices.

<sup>b</sup> Preliminary.

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

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

**Table 40**  
**USSR: Growth of Gross National Product at Factor Cost, by End Use<sup>a</sup>**

Percent

	Average Annual Rate of Growth									
	1961-65	1966-70	1971-75	1976-80	1981-85	1982	1983	1984	1985	1986 <sup>b</sup>
Total	4.9	5.1	3.0	2.3	1.9	2.6	3.2	1.4	1.1	4.2
Consumption <sup>c</sup>	3.7	5.4	3.4	2.5	1.8	0.6	2.3	2.9	1.6	3.0
Investment	7.3	5.4	4.2	4.3	3.4	3.6	4.3	1.1	3.1	6.0
New fixed <sup>d</sup>	7.0	5.9	3.6	3.9	3.3	4.2	4.2	1.3	2.4	6.2
Administration, R&D, elements of defense, inventory change, net exports, and outlays n.e.c.	4.9	4.1	1.1	-0.4	0.2	6.3	3.9	-1.5	-3.4	4.8

<sup>a</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, 1982 end-use weights have been revised from an established price basis to a factor

cost basis by subtracting turnover taxes and profits and adding subsidies and implicit capital charges. These revised weights are then moved over time by indexes of the various end uses in constant prices.

<sup>b</sup> Preliminary.

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

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

**Table 41**  
**USSR: Share of Gross National Product,<sup>a</sup> by Sector of Origin**

Percent

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>GNP</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Agriculture	34	31	28	22	20	20	21	20	19	20
Industry	26	28	30	34	34	34	34	34	34	34
Construction	7	7	7	7	8	8	8	8	8	8
Transportation	6	7	8	10	10	10	10	10	10	10
Communications	1	1	1	1	1	1	1	1	1	1
Trade	5	5	6	6	6	6	6	6	6	6
Services	18	18	17	18	18	18	18	18	18	18
Other <sup>c</sup>	3	3	3	3	3	2	2	2	2	2

<sup>a</sup> Calculated at factor costs.<sup>c</sup> Including salaries for military personnel.<sup>b</sup> Preliminary.

**Table 42**  
**USSR: Growth of Gross National Product,<sup>a</sup> by Sector of Origin**

Percent

	Average annual rate of growth					1982	1983	1984	1985	1986 <sup>b</sup>
	1961-65	1966-70	1971-75	1976-80	1981-85					
<b>GNP</b>	<b>4.9</b>	<b>5.1</b>	<b>3.0</b>	<b>2.3</b>	<b>1.9</b>	<b>2.6</b>	<b>3.2</b>	<b>1.4</b>	<b>1.1</b>	<b>4.2</b>
Agriculture <sup>c</sup>	3.6	3.7	-0.6	0.9	1.9	7.2	6.0	-0.7	-1.7	7.3
Industry	6.5	6.2	5.5	2.7	2.0	0.7	2.7	2.6	2.7	3.6
Construction	4.7	5.4	4.5	2.9	2.9	2.6	3.1	2.0	2.5	3.8
Transportation	10.2	7.2	6.6	3.6	2.3	1.2	2.8	1.5	2.1	4.0
Communications	7.3	8.6	6.4	4.7	3.8	2.2	3.5	4.7	4.6	5.0
Trade	5.0	7.3	4.5	2.8	1.5	0.2	2.6	2.3	0.8	2.3
Services	4.5	4.3	3.5	2.7	2.2	1.7	2.2	2.4	2.4	2.4
Other <sup>d</sup>	2.7	4.1	2.3	1.7	0.8	1.5	1.1	0.6	NEGL	1.3

<sup>a</sup> Calculated at factor cost.<sup>c</sup> Excluding intra-agricultural use of farm products but does not make an adjustment for purchases by agriculture from other sectors.<sup>b</sup> Preliminary.<sup>d</sup> Including salaries for military personnel.



**Table 43**  
**USSR: Gross Fixed Capital Investment,**  
**by Function and by Sector <sup>a</sup>**

Billion rubles

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Total investment</b>	<b>47.6</b>	<b>92.2</b>	<b>128.5</b>	<b>150.9</b>	<b>161.9</b>	<b>171.0</b>	<b>174.3</b>	<b>179.5</b>	<b>193.3</b>
<b>By function</b>									
Construction and installation	34.5	59.7	79.2	82.7	86.0	89.6	90.5	91.7	NA
Equipment	10.8	25.9	39.4	53.9	59.3	63.4	64.3	67.6	NA
Other capital outlays <sup>b</sup>	2.3	6.6	9.9	14.3	16.6	18.0	19.5	20.2	NA
<b>By sector</b>									
Industry	17.2	32.5	44.9	53.3	57.0	60.1	62.7	65.5	NA
Ferrous metallurgy	1.6	2.3	3.2	3.2	3.6	3.7	3.8	3.3	NA
Chemicals and petrochemicals	1.2	2.7	4.3	4.5	4.5	4.6	4.8	4.5	NA
Fuels and power	5.1	9.5	12.5	17.4	20.2	21.4	22.7	25.3	NA
Machine building and metalworking	2.3	6.9	10.8	13.1	13.7	14.5	15.3	15.9	NA
Construction materials	1.4	1.9	2.2	2.1	2.0	2.3	2.2	2.3	NA
Consumer goods	2.3	4.0	4.9	5.5	5.6	6.1	6.1	6.0	NA
Other <sup>c</sup>	3.3	5.2	7.0	7.5	7.4	7.5	7.8	8.2	NA
Construction industry	1.4	3.3	4.8	6.0	6.3	6.3	5.8	6.1	NA
Transport and communications	4.6	9.0	14.4	18.1	19.9	21.4	22.3	21.9	NA
Agriculture	6.1	16.0	26.1	29.8	31.0	32.1	31.1	31.5	NA
Housing	10.8	15.8	19.2	21.1	24.0	25.9	27.3	28.1	NA
Other sectors <sup>d</sup>	7.5	15.6	19.1	22.6	23.7	25.2	25.1	26.4	NA

<sup>a</sup> Gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1984.

<sup>b</sup> Other capital outlays are for surveys, designs, technical documentation, and the like.

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

<sup>d</sup> Computed as a residual. It includes investment in such activities as trade, material and technical supplies, services and procurements; science, education, culture, and art; health, social insurance, physical culture, tourism, commercial economy, and personal services.

**Table 44**  
**USSR: Stock of Fixed Capital, by Sector <sup>a</sup>**

Billion rubles

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
<b>Total capital stock <sup>b</sup></b>	<b>398</b>	<b>601</b>	<b>860</b>	<b>1,256</b>	<b>1,742</b>	<b>1,968</b>	<b>2,091</b>	<b>2,213</b>	<b>2,335</b>	<b>2,470</b>
<b>Industry</b>	100	168	255	385	554	634	677	722	766	NA
Ferrous metallurgy	10	17	26	38	51	57	60	63	66	NA
Chemicals and petrochemicals	5	13	23	36	56	65	68	73	77	NA
Fuels and power	32	51	78	112	157	179	192	205	219	NA
Machine building and metalworking	18	32	51	82	129	149	161	172	183	NA
Construction materials	6	9	14	22	30	34	36	37	39	NA
Consumer goods	14	22	32	47	62	70	73	77	81	NA
Timber, woodworking, and paper	6	9	13	18	25	28	30	32	33	NA
Other	9	15	18	30	44	52	57	63	68	NA
Construction industry	7	12	22	35	55	66	71	75	78	NA
Trade, public dining, material, technical supply	11	20	31	47	66	73	78	82	86	NA
Agriculture <sup>b</sup>	54	77	106	167	238	272	288	303	318	NA
Transport and communications	54	83	117	171	237	268	286	304	322	NA
Housing	120	159	204	267	338	371	390	410	431	NA
Services	52	82	125	184	254	284	301	317	334	NA

<sup>a</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>b</sup> Including the value of basic herds.

**Table 45**  
**USSR: Aggregate Factor Productivity**

Percent

	Average Annual Rate of Growth					1982	1983	1984	1985	1986 <sup>b</sup>
	1961-65	1966-70	1971-75	1976-80	1981-85 <sup>a</sup>					
Gross national product <sup>c</sup>	4.9	5.1	3.0	2.3	1.9	2.6	3.2	1.4	1.1	4.2
Factor productivity	0.5	0.9	-1.1	-1.1	-0.9	-0.4	0.3	-1.3	-1.4	1.7
Manhours	3.3	3.0	1.3	1.1	1.2	1.6	2.5	0.9	0.7	3.6
Capital	-3.6	-2.2	-4.6	-4.3	-4.0	-3.4	-2.9	-4.6	-4.5	-1.2
Land	4.7	5.0	2.9	2.5	2.1	2.7	3.1	1.5	1.8	4.2
Combined inputs <sup>d</sup>	4.4	4.1	4.2	3.4	2.9	3.1	2.9	2.8	2.5	2.5
Manhours	1.5	2.0	1.7	1.2	0.7	1.0	0.7	0.5	0.4	0.6
Capital	8.8	7.4	8.0	6.9	6.2	6.3	6.3	6.3	5.8	5.5
Land	0.2	NEGL	0.1	-0.1	-0.2	-0.1	0.1	-0.1	-0.7	NEGL

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

<sup>b</sup> Preliminary.

<sup>c</sup> Based on indexes of GNP (1982 rubles), by sector of origin, at factor cost.

<sup>d</sup> Inputs of workhours, capital, and land are combined using weights of 56.5 percent, 40.5 percent, 3.0 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, social insurance deductions and other income),

capital costs (depreciation and a calculated capital charge), and land rent in 1982, the base year for all indexes underlying the growth rate calculations.

**Table 46**  
**USSR: Industrial Factor Productivity**

Percent

	Average Annual Rate of Growth					1982	1983	1984	1985	1986 <sup>b</sup>
	1961-65	1966-70	1971-75	1976-80	1981-85 <sup>a</sup>					
Industrial production	6.5	6.2	5.5	2.7	2.0	0.7	2.7	2.6	2.7	3.6
Factor productivity	-0.7	0.2	0.2	-1.9	-1.9	-3.2	-1.1	-1.1	-0.9	0.2
Manhours	3.5	3.1	3.9	1.3	1.4	NEGL	2.2	2.1	2.2	3.1
Capital	-4.4	-2.3	-3.0	-4.7	-4.7	-5.9	-4.0	-3.9	-3.7	-2.4
Combined inputs <sup>c</sup>	7.3	6.0	5.2	4.7	3.9	4.0	3.8	3.8	3.7	3.4
Manhours	2.9	3.1	1.5	1.4	0.6	0.8	0.4	0.5	0.4	0.4
Capital	11.4	8.8	8.7	7.7	7.0	7.0	6.9	6.8	6.6	6.1

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

<sup>b</sup> Preliminary.

<sup>c</sup> Inputs of workhours and capital are combined using weights of 42.6 percent and 57.4 percent, respectively, in a Cobb-Douglas (linear homogeneous) production

function. These weights represent the distribution of labor costs (wages, social insurance deductions and other income) and capital costs (depreciation and a calculated capital charge) in 1982, the base year for all indexes underlying the growth rate calculations.

**Table 47**  
**USSR: Industrial Production,**  
**by Branch of Industry <sup>a</sup>**

Percent

	Average annual Rate of growth									
	1961-65 <sup>b</sup>	1966-70 <sup>b</sup>	1971-75 <sup>b</sup>	1976-80 <sup>b</sup>	1981-85 <sup>b</sup>	1982	1983	1984	1985	1986 <sup>c</sup>
Industrial materials	7.0	5.9	5.4	2.2	2.2	1.2	3.3	2.5	2.5	3.8
Electricity	11.5	7.9	7.0	4.5	3.6	3.1	3.7	5.2	3.5	3.6
Fuels	6.9	5.6	5.4	3.4	1.2	1.7	1.3	0.8	0.7	3.9
Ferrous metals	7.3	5.3	4.2	0.8	1.2	-0.4	3.0	0.9	2.8	2.8
Nonferrous metals	8.0	7.8	5.7	1.5	2.0	0.8	3.0	3.0	3.0	3.0
Wood, pulp, and paper products	2.5	2.8	2.5	-0.6	2.1	0.6	3.0	2.8	2.1	5.4
Construction materials	5.6	6.1	5.1	1.4	1.5	-0.9	3.5	1.7	1.5	3.2
Chemicals	12.3	8.6	8.3	3.0	3.8	2.0	5.8	3.4	4.3	4.4
Total machinery	6.9	6.9	6.8	3.9	1.7	-0.2	1.8	2.7	4.2	4.4
Producer durables	8.5	7.6	8.7	4.6	3.7	2.9	4.2	4.6	4.9	4.4
Consumer durables	9.6	8.9	13.0	3.9	3.2	2.0	3.0	3.9	4.2	4.4
Nondurable consumer goods	4.8	6.0	3.4	1.9	1.7	1.3	2.4	2.4	0.2	1.1
Soft goods	2.7	6.4	2.6	2.4	1.6	-0.5	1.2	2.8	2.4	1.5
Processed foods	6.9	5.7	4.1	1.4	1.8	2.9	3.4	2.1	-1.6	0.7
<b>Total industrial production</b>	<b>6.5</b>	<b>6.2</b>	<b>5.5</b>	<b>2.7</b>	<b>2.0</b>	<b>0.7</b>	<b>2.7</b>	<b>2.6</b>	<b>2.7</b>	<b>3.6</b>

<sup>a</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 price-weighted samples of products into sector indexes, which in turn are combined into branch indexes using 1982 value-added weights. The indexes for industrial materials,

consumer nondurables, and total industrial production are formed by combining the component branch indexes using 1982 value-added weights.

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

<sup>c</sup> Preliminary.

**Table 48**  
**USSR: Hard Currency Trade, by Commodity <sup>a</sup>**

	<i>Million US \$</i>					<i>Share of Total to the World <sup>b</sup></i>				
	1970	1975	1980	1984	1985	1970	1975	1980	1984	1985
<b>Exports</b>	2,405	9,453	27,874	32,173	26,387	19	28	31	35	30
Petroleum and petroleum products	387	3,170	12,123	15,111	11,471	26	39	44	40	34
Natural gas	1	220	2,710	3,754	3,813	2	34	48	41	41
Coal and coke	92	390	366	209	278	23	28	22	12	15
Machinery and equipment	140	560	1,468	1,657	1,424	5	9	12	14	12
Ferrous metals	128	155	246	272	279	9	6	7	8	8
Wood and wood products	365	714	1,510	824	711	44	37	49	32	27
Chemicals	61	242	758	1,017	1,012	18	26	37	37	36
Agricultural products	167	522	458	181	179	12	22	17	8	8
Diamonds	175	478	1,304	NA	NA	NA	NA	NA	NA	NA
Other	889	3,002	6,931	9,148	7,220	21	33	44	45	6
<b>Imports</b>	2,711	14,257	26,060	27,446	25,853	23	38	38	34	31
Grain	101	2,323	4,503	6,315	5,253	75	87	88	78	63
Other agricultural products	512	1,591	4,301	3,153	2,853	24	25	35	27	25
Machinery and equipment	927	4,593	6,039	5,822	4,818	22	37	26	20	16
Rolled ferrous metals <sup>c</sup>	279	2,565	3,481	3,362	3,524	49	80	80	76	77
Chemicals	248	800	1,953	1,814	2,250	50	55	60	56	61
Consumer goods	272	464	767	1,050	1,350	11	9	8	10	12
Other	372	1,921	5,016	5,930	5,805	22	67	82	78	62

<sup>a</sup> Including all countries trading with the Soviet Union on a hard currency basis as of 1 January 1980.

<sup>b</sup> The importance of hard currency trade is overstated for exports and understated for imports in Soviet statistics because of the artificial prices the USSR uses in its CEMA country trade.

<sup>c</sup> Including imports of pipes.

**Table 49**  
**USSR: Hard Currency Trade With Non-Communist**  
**Countries, 1985-86 <sup>a</sup>**

Million US \$

	1985			1986		
	Exports <sup>b</sup>	Imports	Balance	Exports <sup>b</sup>	Imports	Balance
<b>Total</b>	<b>26,387</b>	<b>25,853</b>	<b>534</b>	<b>25,104</b>	<b>23,088</b>	<b>2,016</b>
Developed countries	19,731	20,077	-346	16,560	19,275	-2,715
Of which:						
Australia	16	639	-623	12	723	-711
Austria	966	1,030	-64	767	1,210	-443
Canada	21	1,139	-1,118	14	886	-872
France	2,609	1,924	685	2,188	1,604	584
Italy	2,961	1,590	1,371	2,244	2,093	151
Japan	1,114	2,744	-1,630	1,392	3,132	-1,740
Netherlands	1,184	376	808	818	348	470
Sweden	591	368	223	423	348	75
Switzerland	461	680	-219	408	647	-239
United Kingdom	1,461	821	640	1,809	731	1,078
United States	391	2,852	-2,461	444	1,627	-1,183
West Germany	4,790	3,713	1,077	3,863	4,058	-195
Less developed countries	6,656	5,776	880	8,544	3,813	4,731
Of which:						
Argentina	76	1,476	-1,400	76	273	-197
Brazil	84	456	-372	43	336	-293
Iraq	321	668	-347	416	491	-75
Libya	100	1,053	-953	50	988	-938

<sup>a</sup> Official Soviet trade data on f.o.b. basis.

<sup>b</sup> Includes exports not specified by partner countries, which are believed to be deliveries of military goods.

**Table 50**  
**USSR: Hard Currency Balance of Payments <sup>a</sup>**

Million US \$

	1960	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
Trade balance	-250	-306	-4,804	1,814	4,468	4,712	4,727	534	2,016
Exports, f.o.b. <sup>c</sup>	768	2,405	9,453	27,874	31,975	32,429	32,173	26,387	25,104
Imports, f.o.b.	1,018	2,711	14,257	26,060	27,507	27,717	27,446	25,853	23,088
Net interest	-5	-80	-473	-977	-944	-1,012	-1,110	-1,554	-2,133
Other invisibles <sup>d</sup>	-65	500	760	890	1,100	1,100	1,100	1,100	1,100
Current account balance	<b>-320</b>	<b>114</b>	<b>-4,481</b>	<b>1,727</b>	<b>4,624</b>	<b>4,800</b>	<b>4,717</b>	<b>80</b>	<b>983</b>
Borrowing from abroad <sup>e</sup>	90	290	5,576	-818	-536	1,541	546	6,673	8,525
Change in assets <sup>f</sup>	0	-25	391	33	-1,982	-932	570	-1,812	-1,707
Net Credits to LDCs	NA	NA	-715	-950	-2,120	-3,200	-2,700	-1,700	-4,100
Gold sales	200	0	725	1,580	1,100	750	1,000	1,800	4,000
Capital account balance	<b>290</b>	<b>265</b>	<b>5,977</b>	<b>-155</b>	<b>-3,538</b>	<b>-1,841</b>	<b>-584</b>	<b>4,961</b>	<b>6,718</b>
Errors and omissions <sup>g</sup>	30	-379	-1,496	-1,572	-1,086	-2,959	-4,133	-5,041	-7,701

<sup>a</sup> Estimated.<sup>b</sup> Preliminary.<sup>c</sup> Including military exports to the LDCs.<sup>d</sup> Including estimated net receipts from tourism, transportation, and official transfers.<sup>e</sup> Soviet drawings less repayments on Western credits.<sup>f</sup> Net change in Soviet assets held with Western commercial banks. A positive sign indicates an increase in assets.<sup>g</sup> Including Soviet hard currency aid to and trade with other Communist countries, trade credits extended to finance Soviet exports to developed countries, and other nonspecified hard currency expenditures.

**Table 51**  
**USSR: Hard Currency Debt to the West <sup>a</sup>**

Billion US \$

	1971	1975	1980	1981	1982	1983	1984	1985	1986 <sup>b</sup>
Commercial debt	0.4	7.3	9.7	12.6	11.1	12.2	13.1	19.4	26.6
Government-backed debt	1.4	4.3	9.1	7.4	8.4	8.7	8.4	8.8	10.1
Gross debt	1.8	11.6	18.8	20.0	19.4	21.0	21.5	28.2	36.7
Assets with Western banks	1.2	3.6	9.4	9.2	11.2	12.1	11.5	13.3	15.0
Net debt	0.6	8.1	9.5	10.8	8.3	8.9	10.0	14.9	21.7
Debt service	0.3	1.8	5.6	5.5	4.7	5.3	5.2	6.9	8.0
Debt-service ratio (percent) <sup>c</sup>	10	15	17	16	13	15	14	22	25

<sup>a</sup> Estimated.<sup>b</sup> Preliminary.<sup>c</sup> Debt service as a share of commodity export earnings plus sales of arms, gold, interest receipts, invisibles, and transfers.

**Table 52**  
**USSR: Gold Production and Reserves**

Million troy ounces

	Production	Reserves		Production	Reserves
1965	5.33	29.61	1977	8.94	53.76
1969	6.59	46.77	1978	9.32	48.68
1970	6.78	52.21	1979	9.58	48.68
1971	7.07	57.42	1980	9.45	54.01
1972	7.78	58.84	1981	9.58	56.14
1973	7.91	55.65	1982	9.77	61.38
1974	8.26	58.35	1983	9.93	67.90
1975	8.07	60.32	1984	10.10	73.56
1976	8.65	56.97	1985	10.32	76.10
			1986	10.48	73.63



## Foreign Trade and Aid

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**Table 53**  
**Exports by Selected Non-Communist Countries <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OECD</b>	<b>84,724</b>	<b>127,093</b>	<b>222,177</b>	<b>573,595</b>	<b>1,252,166</b>	<b>1,231,645</b>	<b>1,169,721</b>	<b>1,154,215</b>	<b>1,231,475</b>	<b>1,276,876</b>	NA
United States	20,601	27,530	43,241	108,112	220,786	233,739	212,276	200,538	217,890	213,144	217,307
Australia	2,050	3,005	4,771	11,943	22,031	21,767	21,987	20,635	23,528	22,759	22,629
Austria	1,120	1,600	2,857	7,519	17,489	15,841	15,642	15,428	15,739	17,239	22,508
Canada	5,813	8,449	16,747	34,074	67,734	72,726	71,234	76,461	90,208	90,781	89,679
Japan	4,055	8,451	19,318	55,819	130,441	151,495	138,385	146,965	169,700	177,164	210,757
New Zealand	847	1,007	1,223	2,162	5,421	5,622	5,571	5,414	5,518	5,720	5,880
Norway	881	1,443	2,457	7,232	18,542	18,217	17,593	17,997	18,886	19,985	18,229
Sweden	2,566	3,971	6,795	17,383	30,906	28,658	26,808	27,446	29,378	30,460	37,260
Switzerland	1,859	2,941	5,063	12,953	29,632	27,049	26,019	25,591	25,849	27,450	37,471
Turkey	321	464	588	1,401	2,910	4,703	5,746	5,728	7,134	7,958	NA
European Community	<b>43,539</b>	<b>66,676</b>	<b>116,664</b>	<b>309,188</b>	<b>691,208</b>	<b>636,930</b>	<b>614,687</b>	<b>598,734</b>	<b>613,435</b>	<b>649,770</b>	<b>796,363</b>
Belgium-Luxembourg	3,792	6,394	11,600	28,804	64,656	55,694	52,354	51,937	51,891	53,736	68,809
Denmark	1,494	2,320	3,356	8,712	16,982	16,095	15,382	16,042	15,981	17,090	21,243
France	6,866	10,176	18,099	53,120	116,030	106,424	96,694	94,943	97,566	101,674	124,948
Greece	203	328	643	2,294	5,153	4,246	4,298	4,413	4,811	4,539	5,648
Ireland	427	618	1,120	3,192	8,398	7,677	8,067	8,599	9,641	10,357	12,657
Italy	3,654	7,200	13,206	34,816	77,673	75,264	73,497	72,702	73,317	79,025	97,832
Netherlands	4,028	6,398	11,648	35,022	73,940	68,715	66,281	64,683	65,854	68,257	80,523
Portugal	326	584	946	1,939	4,640	4,148	4,164	4,599	5,201	5,685	7,200
Spain	725	935	2,388	7,690	20,720	20,333	20,498	19,734	23,564	24,247	27,187
United Kingdom	10,609	13,810	19,430	43,423	110,155	102,244	97,017	91,641	93,881	101,248	106,989
West Germany	11,415	17,913	34,228	90,176	192,861	176,090	176,435	169,441	171,728	183,912	243,327
<b>OPEC</b>	<b>7,510</b>	<b>10,475</b>	<b>17,018</b>	<b>113,503</b>	<b>303,537</b>	<b>280,081</b>	<b>223,497</b>	<b>179,611</b>	NA	<b>151,099</b>	NA
Algeria	394	637	1,009	4,700	13,871	14,396	13,144	12,583	12,795	12,600	NA
Ecuador	146	164	190	974	2,481	2,451	2,128	2,224	2,583	2,905	2,183
Gabon	47	105	144	943	2,531	2,200	2,160	2,000	2,011	1,951	NA
Indonesia	841	708	1,108	7,102	21,909	22,260	22,293	21,152	21,902	18,590	14,824
Iran	844	1,305	2,623	20,211	14,106	12,597	19,430	19,512	12,531	13,435	NA
Iraq	467	711	847	8,297	26,278	10,530	10,250	9,785	NA	10,300	NA
Kuwait	962	1,284	1,693	9,184	19,842	16,299	10,864	11,540	12,241	10,100	NA
Libya	12	796	2,366	6,840	21,919	15,576	13,954	11,089	11,140	10,928	NA
Nigeria	475	752	1,240	8,001	25,946	17,846	12,185	10,357	11,856	12,548	NA

**Table 53 (continued)**  
**Exports by Selected Non-Communist Countries <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OPEC (continued)</b>											
Qatar	126	163	237	1,809	5,672	5,691	4,252	3,338	4,513	3,542	2,326
Saudi Arabia	891	1,395	2,424	29,683	109,083	119,876	79,077	45,861	37,530	28,000	NA
United Arab Emirates	NA	NA	510	6,959	20,678	20,234	17,261	15,011	14,104	14,036	NA
Venezuela	2,305	2,455	2,627	8,800	19,221	20,125	16,499	15,159	13,971	12,272	10,065
<b>Other countries</b>											
Argentina	1,079	1,493	1,773	2,961	8,021	9,143	7,625	7,836	8,107	8,396	NA
Brazil	1,268	1,596	2,739	8,670	20,132	23,293	20,175	21,899	27,005	25,639	22,393
Chile	488	637	1,249	1,552	4,671	3,906	3,710	3,836	3,657	3,823	4,222
China (Taiwan)	164	450	1,428	5,301	19,774	22,520	22,090	25,095	30,425	30,690	39,789
Colombia	465	539	736	1,465	3,945	2,956	3,095	3,081	3,462	3,552	5,102
Dominican Republic	180	126	249	894	962	1,188	768	785	868	735	NA
Egypt	568	605	762	1,402	3,047	3,233	3,120	3,214	3,140	3,714	NA
El Salvador	117	189	236	531	1,074	797	699	735	725	676	NA
Guatemala	116	187	298	641	1,557	1,254	1,153	1,180	1,127	1,060	NA
Hong Kong	689	1,143	2,514	6,027	19,730	21,808	20,984	21,954	28,317	30,184	35,440
India	1,332	1,687	2,026	4,355	8,586	8,295	9,358	9,148	9,445	8,003	9,340
Israel	217	430	779	1,941	5,538	5,670	5,255	5,108	5,807	6,260	7,136
Jamaica	159	214	342	759	963	974	726	713	714	549	596
Lebanon	43	87	192	1,121	868	836	727	691	582	482	500
Malaysia	1,187	1,236	1,687	3,843	12,945	11,770	12,030	14,104	16,484	15,441	13,875
Mexico	765	1,120	1,403	2,904	15,570	19,646	21,214	21,819	24,407	22,108	16,238
Morocco	354	430	488	1,543	2,441	2,386	2,062	2,006	2,171	2,165	NA
Pakistan	394	528	397	1,052	2,618	2,883	2,397	3,077	2,558	2,740	3,384
Peru	444	685	1,034	1,291	3,898	3,255	3,721	2,722	3,147	2,966	2,509
Philippines	624	698	1,041	2,294	5,741	5,655	4,968	4,890	5,274	4,607	4,770
Singapore	1,136	981	1,554	5,376	19,375	20,967	20,788	21,833	24,070	22,812	22,509
South Africa <sup>b</sup>	1,995	2,585	3,355	8,959	25,680	20,859	17,727	18,608	17,348	16,523	18,454
South Korea	33	175	835	5,081	17,505	21,254	21,853	24,445	29,245	30,283	34,715
Sri Lanka	385	409	342	569	1,062	1,088	1,031	1,063	1,467	1,333	1,215
Syria	113	169	203	930	2,108	2,103	2,026	1,910	1,853	NA	NA
Thailand	411	622	710	2,208	6,505	7,031	6,945	6,368	7,413	7,120	8,794

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

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

**Table 54**  
**Imports by Selected Non-Communist Countries <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OECD</b>	<b>87,145</b>	<b>133,897</b>	<b>231,421</b>	<b>603,090</b>	<b>1,396,904</b>	<b>1,325,844</b>	<b>1,247,866</b>	<b>1,227,029</b>	<b>1,337,382</b>	<b>1,390,181</b>	<b>NA</b>
United States	16,381	23,233	42,695	105,880	256,984	273,352	254,884	269,878	341,179	361,627	387,081
Australia	2,662	3,762	5,056	10,697	22,399	26,215	26,667	21,458	25,919	25,889	25,616
Austria	1,416	2,101	3,549	9,394	24,444	21,043	19,502	19,367	19,629	20,986	26,851
Canada	6,073	8,597	14,251	36,106	62,544	70,010	58,131	64,806	77,946	81,079	85,638
Japan	4,491	8,169	18,881	57,860	141,296	142,866	131,499	126,437	136,176	130,488	127,553
New Zealand	786	1,052	1,245	3,155	5,472	5,734	5,782	5,333	6,203	5,992	6,063
Norway	1,462	2,210	3,702	9,705	16,926	15,650	15,477	13,497	13,885	15,556	20,319
Sweden	2,901	4,377	7,007	17,450	33,438	28,840	27,585	26,098	26,426	28,547	32,688
Switzerland	2,206	3,643	6,374	13,303	36,341	30,682	28,678	29,192	29,521	30,702	41,039
Turkey	468	572	948	4,739	7,909	8,933	8,843	9,235	10,757	11,035	NA
European Community	<b>47,128</b>	<b>74,399</b>	<b>124,920</b>	<b>326,691</b>	<b>772,517</b>	<b>687,303</b>	<b>656,473</b>	<b>628,091</b>	<b>636,467</b>	<b>664,134</b>	<b>781,083</b>
Belgium-Luxembourg	3,970	6,502	11,412	30,781	71,864	62,450	58,227	55,313	55,455	56,186	68,580
Denmark	1,805	2,822	4,407	10,368	19,428	17,575	16,691	16,257	16,612	18,245	22,865
France	6,282	10,384	19,131	53,966	134,889	120,953	115,714	105,392	104,372	108,251	129,402
Greece	702	1,134	1,958	5,357	10,548	8,810	10,026	9,500	9,435	10,134	11,350
Ireland	634	1,041	1,621	3,778	11,153	10,608	9,706	9,170	9,674	10,015	11,619
Italy	4,732	7,378	14,970	38,535	99,662	91,102	86,223	80,362	84,218	91,045	99,937
Netherlands	4,531	7,461	13,300	35,531	78,039	67,231	63,766	61,652	62,180	65,197	75,560
Portugal	544	897	1,556	3,839	9,309	9,800	9,572	8,240	7,961	7,652	9,448
Spain	722	3,040	4,747	16,265	34,078	32,150	31,465	29,193	28,831	29,963	35,055
United Kingdom	13,034	16,128	21,871	53,341	115,545	102,710	99,713	100,071	104,722	108,957	126,183
West Germany	10,172	17,612	29,947	74,930	188,002	163,914	155,370	152,941	153,007	158,489	191,084
<b>OPEC</b>	<b>5,403</b>	<b>6,345</b>	<b>9,931</b>	<b>52,080</b>	<b>133,050</b>	<b>156,773</b>	<b>160,382</b>	<b>144,361</b>	<b>126,315</b>	<b>102,890</b>	<b>NA</b>
Algeria	1,264	671	1,257	6,008	10,826	11,269	10,754	10,393	10,286	9,061	8,448
Ecuador	114	165	274	987	2,253	2,246	1,989	1,465	1,716	1,606	1,815
Gabon	32	62	80	469	822	976	799	852	724	949	924
Indonesia	574	695	1,002	4,770	10,834	13,272	16,859	16,352	13,882	10,259	10,724
Iran	560	859	1,662	10,343	12,246	12,499	11,955	18,320	15,370	11,635	10,359
Iraq	390	456	508	4,214	13,942	20,735	21,534	12,166	11,078	10,556	9,302
Kuwait	242	377	625	2,390	6,529	6,978	8,282	7,373	7,009	6,639	6,042
Libya	169	320	554	3,542	6,777	8,382	7,175	7,467	6,800	5,422	4,627
Nigeria	604	771	1,059	6,041	16,660	20,877	16,060	12,254	9,364	8,877	NA
Qatar	32	70	64	413	1,423	1,518	1,947	1,456	1,162	1,140	1,010

**Table 54 (continued)**  
**Imports by Selected Non-Communist Countries <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OPEC (continued)</b>											
Saudi Arabia	234	506	710	4,214	30,165	35,269	40,644	39,197	33,696	21,000	NA
United Arab Emirates	NA	NA	267	2,685	8,746	9,646	9,440	8,356	7,634	7,568	7,326
Venezuela	1,188	1,393	1,869	6,004	11,827	13,106	12,944	8,710	7,594	8,178	9,524
<b>Other countries</b>											
Argentina	1,249	1,199	1,694	3,947	10,541	9,430	5,337	4,504	4,585	3,814	NA
Brazil	1,462	1,096	2,849	13,592	24,961	24,079	21,069	16,801	15,210	14,332	NA
Chile	526	604	941	1,338	5,124	6,364	3,529	2,754	3,191	2,743	2,914
China (Taiwan)	297	558	1,528	5,960	19,750	21,130	18,815	20,315	21,995	20,120	24,165
Colombia	519	454	843	1,495	4,663	5,199	5,478	4,968	4,498	4,141	3,862
Dominican Republic	100	97	304	889	1,640	1,668	1,444	1,471	1,446	1,487	NA
Egypt	668	934	787	3,934	4,860	8,782	9,078	10,275	10,766	9,961	NA
El Salvador	122	201	214	598	962	985	857	891	977	961	NA
Guatemala	121	229	284	733	1,598	1,674	1,388	1,135	1,277	1,175	960
Hong Kong	1,026	1,569	2,905	6,766	22,409	24,765	23,553	24,013	28,567	29,705	35,366
India	2,303	2,838	2,124	6,381	14,864	15,418	14,786	14,061	15,067	14,879	15,027
Israel	556	829	2,115	6,093	9,685	10,191	10,304	9,591	9,800	10,163	NA
Jamaica	217	289	525	1,124	1,171	1,473	1,372	1,480	1,130	1,124	964
Lebanon	290	543	653	2,048	3,650	3,499	3,391	3,661	2,948	2,203	2,203
Malaysia	911	1,096	1,401	3,566	10,779	11,550	12,418	13,262	14,051	12,302	10,829
Mexico	1,186	1,560	2,461	6,570	19,460	24,068	15,128	8,023	11,788	13,993	NA
Morocco	413	453	684	2,568	4,255	4,400	4,315	3,592	3,911	3,850	NA
Pakistan	654	1,047	731	2,158	5,350	5,631	5,465	5,329	5,853	5,890	5,374
Peru	379	729	622	2,551	2,500	3,447	4,168	3,049	2,212	1,835	2,598
Philippines	715	894	1,236	3,756	8,295	8,479	8,263	7,976	6,432	5,459	5,394
Singapore	1,332	1,224	2,461	8,134	24,003	27,572	28,167	28,158	28,667	26,285	25,511
South Africa <sup>b</sup>	1,629	2,563	3,843	8,293	19,246	22,619	18,575	15,704	16,234	11,469	12,989
South Korea	344	463	1,984	7,274	22,292	26,131	24,251	26,192	30,631	31,136	31,585
Sri Lanka	413	310	386	757	2,057	1,905	2,015	1,935	1,869	1,947	1,857
Syria	239	213	360	1,685	4,118	5,040	4,015	4,542	4,116	NA	NA
Thailand	447	742	1,299	3,280	9,214	9,955	8,549	10,287	10,398	9,242	9,154

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

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

**Table 55**  
**Trade Balance of Selected Non-Communist Countries**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OECD</b>	<b>-2,427</b>	<b>-6,804</b>	<b>-9,244</b>	<b>-29,495</b>	<b>-144,738</b>	<b>-94,199</b>	<b>-78,145</b>	<b>-72,814</b>	<b>-105,907</b>	<b>-113,305</b>	<b>NA</b>
United States	4,220	4,297	546	2,232	-36,198	-39,613	-42,608	-69,340	-123,289	-148,483	-169,774
Australia	-612	-757	-285	1,246	-368	-4,448	-4,680	-823	-2,391	-3,130	-2,987
Austria	-296	-501	-692	-1,875	-6,955	-5,202	-3,860	-3,939	-3,890	-3,746	-4,343
Canada	-260	-148	2,496	-2,032	5,190	2,716	12,874	11,384	12,262	9,702	4,041
Japan	-436	282	437	-2,041	-10,855	8,629	6,886	20,528	33,524	46,676	83,204
New Zealand	61	-45	-22	-993	-51	-112	-211	81	-685	-272	-183
Norway	-581	-767	-1,245	-2,473	1,616	2,567	2,116	4,500	5,001	4,429	-2,090
Sweden	-335	-406	-212	-67	-2,532	-182	-777	1,348	2,952	1,913	4,572
Switzerland	-347	-702	-1,311	-350	-6,709	-3,633	-2,659	-3,601	-3,601	-3,252	-3,568
Turkey	-147	-108	-360	-3,338	-4,999	-4,230	-3,097	-3,507	-3,623	-3,077	NA
European Community	<b>-3,589</b>	<b>-7,723</b>	<b>-8,256</b>	<b>-17,503</b>	<b>-81,309</b>	<b>-50,373</b>	<b>-41,786</b>	<b>-29,357</b>	<b>-23,032</b>	<b>-14,364</b>	<b>-15,280</b>
Belgium-Luxembourg	-178	-108	188	-1,977	-7,208	-6,756	-5,873	-3,376	-3,564	-2,450	229
Denmark	-311	-502	-1,051	-1,656	-2,446	-1,480	-1,309	-215	-631	-1,155	-1,622
France	584	-208	-1,032	-846	-18,859	-14,529	-19,020	-10,449	-6,806	-6,577	-4,454
Greece	-499	-806	-1,315	-3,063	-5,395	-4,564	-5,728	-5,087	-4,624	-5,595	-5,702
Ireland	-207	-423	-501	-586	-2,755	-2,931	-1,639	-571	-33	342	1,038
Italy	-1,078	-178	-1,764	-3,719	-21,989	-15,838	-12,726	-7,660	-10,901	-12,020	-2,105
Netherlands	-503	-1,063	-1,652	-509	-4,099	1,484	2,515	3,031	3,674	3,060	4,963
Portugal	-218	-313	-610	-1,900	-4,669	-5,652	-5,408	-3,641	-2,760	-1,967	-2,248
Spain	3	-2,105	-2,359	-8,575	-13,358	-11,817	-10,967	-9,459	-5,267	-5,716	-7,868
United Kingdom	-2,425	-2,318	-2,441	-9,918	-5,390	-466	-2,696	-8,430	-10,841	-7,709	-19,194
West Germany	1,243	301	4,281	15,246	4,859	12,176	21,065	16,500	18,721	25,423	52,243
<b>OPEC</b>	<b>2,107</b>	<b>4,130</b>	<b>7,087</b>	<b>61,423</b>	<b>170,487</b>	<b>123,308</b>	<b>63,115</b>	<b>35,250</b>	<b>NA</b>	<b>48,209</b>	<b>NA</b>
Algeria	-870	-34	-248	-1,308	3,045	3,127	2,390	2,190	2,509	3,539	NA
Ecuador	32	-1	-84	-13	228	205	139	759	867	1,299	368
Gabon	15	43	64	474	1,709	1,224	1,361	1,148	1,287	1,002	NA
Indonesia	267	13	106	2,332	11,075	8,988	5,434	4,800	8,020	8,331	4,100
Iran	284	446	961	9,868	1,860	98	7,475	1,192	-2,839	1,800	NA
Iraq	77	255	339	4,083	12,336	-10,205	-11,284	-2,381	NA	256	NA
Kuwait	720	907	1,068	6,794	13,313	9,321	2,582	4,167	3,064	3,461	NA
Libya	-157	476	1,812	3,298	15,142	7,194	6,779	3,622	4,340	5,506	NA
Nigeria	-129	-19	181	1,960	9,286	-3,031	-3,875	-1,897	2,492	3,671	NA
Qatar	94	93	173	1,396	4,249	4,173	2,305	1,882	3,351	2,402	1,316

**Table 55 (continued)**  
**Trade Balance by Selected Non-Communist Countries**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>OPEC (continued)</b>											
Saudi Arabia	657	889	1,714	25,469	78,918	84,607	38,433	6,664	3,834	7,000	NA
United Arab Emirates	NA	NA	243	4,274	11,932	10,588	7,821	6,729	6,470	6,468	NA
Venezuela	1,117	1,062	758	2,796	7,394	7,019	3,555	6,449	6,377	4,094	541
<b>Other countries</b>											
Argentina	-170	294	79	-986	-2,520	-287	2,288	3,332	3,522	4,582	NA
Brazil	-194	500	-110	-4,922	-4,829	-786	-894	5,098	11,795	11,293	NA
Chile	-38	33	308	214	-453	-2,458	181	1,082	466	1,080	1,308
China (Taiwan)	-133	-108	-100	-659	24	1,390	3,275	4,780	8,430	10,570	15,624
Colombia	-54	85	-107	-30	-718	-2,243	-2,383	-1,887	-1,036	-589	1,240
Dominican Republic	80	29	-55	5	-678	-480	-676	-686	-578	-752	NA
Egypt	-100	-329	-25	-2,532	-1,813	-5,549	-5,958	-7,061	-7,626	-6,247	NA
El Salvador	-5	-12	22	-67	112	-188	-158	-156	-252	-285	NA
Guatemala	-5	-42	14	-92	-41	-420	-235	45	-150	-115	NA
Hong Kong	-337	-426	-391	-739	-2,679	-2,957	-2,569	-2,059	-250	479	74
India	-971	-1,151	-98	-2,026	-6,278	-7,123	-5,428	-4,913	-5,622	-6,876	-5,687
Israel	-339	-399	-1,336	-4,152	-4,167	-4,521	-5,049	-4,483	-3,993	-3,903	NA
Jamaica	-58	-75	-183	-365	-208	-499	-646	-767	-416	-575	-368
Lebanon	-247	-456	-461	-927	-2,782	-2,663	-2,664	-2,970	-2,366	-1,721	-1,703
Malaysia	276	140	286	277	2,166	220	-388	842	2,433	3,139	3,046
Mexico	-421	-440	-1,058	-3,666	-3,890	-4,422	6,086	13,796	12,619	8,115	NA
Morocco	-59	-23	-196	-1,025	-1,814	-2,014	-2,253	-1,586	-1,740	1,685	NA
Pakistan	-260	-519	-334	-1,106	-2,732	-2,748	-3,068	-2,252	-3,295	-3,150	-1,990
Peru	65	-44	412	-1,260	1,398	-192	-447	-327	935	1,131	-89
Philippines	-91	-196	-195	-1,462	-2,554	-2,824	-3,295	-3,086	-1,158	-852	-624
Singapore	-196	-243	-907	-2,758	-4,628	-6,605	-7,379	-6,325	-4,597	-3,473	-3,002
South Africa <sup>a</sup>	366	22	-488	666	6,434	-1,760	-849	2,904	1,114	5,054	5,465
South Korea	-311	-288	-1,149	-2,193	-4,787	-4,877	-2,398	-1,747	-1,386	-853	3,130
Sri Lanka	-28	99	-44	-188	-995	-817	-984	-872	-402	-614	-642
Syria	-126	-44	-157	-755	-2,010	-2,937	-1,989	-2,632	-2,263	NA	NA
Thailand	-36	-120	-589	-1,072	-2,709	-2,924	-1,604	-3,919	-2,985	-2,122	-360

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

**Table 56**  
**Big Seven: Direction of Trade <sup>a</sup>**

Million US \$

	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
<b>United States</b>												
1980	221,194	92,836	34,893	17,763	7,648	68,054	251,818	107,737	19,386	58,091	2,735	63,869
1981	234,063	96,803	35,465	21,533	7,963	72,298	267,284	123,652	20,498	51,793	3,766	67,575
1982	211,598	86,349	33,274	22,862	6,558	62,555	247,320	124,238	20,302	32,731	3,671	66,377
1983	199,699	89,365	30,752	16,905	5,088	57,589	260,057	134,361	20,983	26,493	3,956	74,264
1984	216,739	101,804	31,282	14,385	7,216	62,051	328,482	177,157	28,245	28,061	5,738	89,280
1985	212,152	100,926	31,209	12,480	7,092	60,447	347,623	198,952	30,447	24,014	6,342	87,867
1986	215,134	106,247	33,402	10,844	5,127	59,514	369,664	218,177	33,443	21,519	7,448	89,077
<b>Japan</b>												
1980	127,132	46,940	13,197	18,597	9,489	38,910	139,300	36,035	11,566	56,754	6,902	28,044
1981	148,151	56,115	15,560	22,824	9,770	43,883	140,639	36,891	12,608	54,866	7,872	28,402
1982	135,724	52,370	14,189	21,775	8,525	38,866	129,373	34,970	11,512	48,470	7,516	26,905
1983	143,705	60,716	14,728	19,088	9,059	40,114	124,259	35,860	11,995	42,202	7,103	27,100
1984	165,433	78,952	16,109	15,839	10,834	43,699	133,437	39,031	14,003	41,371	8,038	30,993
1985	173,812	86,238	16,997	13,287	16,649	40,641	127,508	38,075	13,665	36,563	8,634	30,570
1986	205,057	109,674	22,072	11,737	14,491	47,084	123,444	45,640	15,056	23,954	8,455	30,338
<b>West Germany</b>												
1980	203,072	69,998	77,540	12,545	10,785	32,204	194,312	69,543	67,176	20,590	9,623	27,380
1981	184,893	63,416	66,924	15,398	8,777	30,378	169,113	62,056	58,711	16,645	8,565	23,135
1982	184,536	65,868	66,878	15,693	8,519	27,578	160,393	58,976	56,653	13,514	8,837	22,412
1983	177,095	64,536	65,152	12,403	8,912	26,092	158,042	58,444	58,375	10,687	8,723	21,813
1984	179,112	69,475	65,348	9,844	8,271	26,174	158,552	58,737	57,656	9,660	9,282	23,216
1985	192,203	75,489	71,577	8,590	9,720	26,826	164,664	61,606	60,461	9,219	9,063	24,315
1986	254,146	101,167	98,753	8,235	12,074	33,916	199,149	78,060	74,909	6,078	9,781	30,320
<b>France</b>												
1980	120,937	46,227	31,694	9,831	5,284	27,901	137,172	56,336	33,760	25,133	5,813	16,129
1981	110,883	41,199	27,317	10,895	4,521	26,952	123,290	50,165	29,731	22,332	5,527	15,536
1982	99,910	37,902	25,255	10,221	3,306	232,225	117,785	50,554	29,113	18,397	4,848	14,872



**Table 56 (continued)**  
**Big Seven: Direction of Trade <sup>a</sup>**

Million US \$

	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
France (continued)												
1983	97,667	38,638	24,717	8,714	3,998	21,601	107,479	47,398	28,040	13,366	4,554	14,121
1984	100,424	40,841	25,554	9,078	3,438	21,513	106,565	47,006	28,173	11,957	4,313	15,115
1985	104,711	44,032	27,525	7,248	3,839	22,066	110,673	49,494	30,645	10,470	4,349	15,714
1986	128,579	55,425	36,059	6,582	3,521	26,991	132,299	63,602	38,545	7,397	5,129	17,626
United Kingdom												
1980	113,801	38,296	40,134	10,330	3,146	21,894	117,664	48,795	39,230	9,898	2,547	17,194
1981	105,324	37,351	35,201	11,079	2,367	19,325	104,044	44,196	36,286	7,237	2,058	14,266
1982	99,546	36,571	33,359	10,189	1,813	17,614	101,056	44,133	35,202	5,715	2,326	13,680
1983	93,918	36,460	31,973	7,986	1,758	15,741	101,383	46,022	35,816	3,974	2,343	13,229
1984	96,157	39,599	32,268	6,722	2,259	15,308	106,564	47,517	38,164	3,335	2,717	14,831
1985	103,750	44,640	34,799	6,596	2,133	15,582	111,220	50,673	39,947	3,218	2,449	14,933
1986	109,920	46,254	36,716	6,953	2,619	17,378	128,673	60,368	45,732	2,439	2,746	17,387
Italy												
1980	82,220	36,082	17,382	9,815	3,115	15,826	102,755	44,002	18,496	17,667	5,866	16,723
1981	79,532	32,666	15,116	12,804	2,902	16,043	93,613	37,480	16,241	19,491	5,190	15,210
1982	77,578	33,796	15,330	10,670	2,745	15,036	89,032	35,721	16,240	17,357	5,703	14,010
1983	76,615	34,370	15,428	9,883	3,063	13,872	83,834	32,420	16,561	14,856	5,738	14,259
1984	77,252	36,651	15,259	8,617	3,017	13,708	88,335	34,543	18,396	13,344	6,563	15,489
1985	83,590	40,986	17,060	7,272	3,550	14,721	94,995	38,447	19,933	14,420	5,625	16,570
1986	103,332	52,993	23,317	6,191	4,012	16,819	104,096	48,554	25,266	9,308	4,905	16,062
Canada												
1980	68,133	50,631	4,332	1,813	2,838	8,518	66,823	52,443	2,671	4,902	549	6,256
1981	73,090	55,456	3,903	2,044	2,969	8,718	74,398	58,376	2,855	5,180	666	7,321
1982	71,605	54,644	3,426	2,113	3,288	8,133	61,988	49,874	2,437	2,753	460	6,463
1983	76,758	61,700	2,906	1,564	3,269	7,318	68,872	57,000	2,689	1,877	457	6,849
1984	90,332	74,638	3,178	1,531	3,087	7,897	82,997	68,966	3,166	1,869	566	8,430
1985	90,663	76,066	3,041	1,147	2,508	7,901	86,263	72,023	3,547	1,625	568	8,499
1986	89,693	75,481	3,151	1,050	2,136	7,875	90,906	75,878	4,041	1,187	737	9,063

<sup>a</sup> Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 53 and 54 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

Table 57

Million US \$

Big Seven: Exports, by Commodity <sup>a</sup>

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Big Seven</b>	<b>163,218</b>	<b>415,790</b>	<b>904,105</b>	<b>904,620</b>	<b>854,292</b>	<b>842,358</b>	<b>902,835</b>	<b>933,677</b>	<b>1,076,266</b>
Foodstuffs	15,946	44,765	90,033	93,414	83,686	81,808	82,901	75,514	82,395
Raw materials	13,319	24,164	58,047	46,874	40,282	42,499	46,029	43,626	44,948
Fuels	5,274	18,085	48,554	56,085	57,430	52,956	53,795	56,640	39,498
Manufactures	124,555	318,916	690,765	691,218	654,836	646,256	698,424	734,816	877,365
Other	4,124	9,862	16,706	17,029	18,058	18,839	21,686	23,081	32,050
<b>United States</b>	<b>43,226</b>	<b>107,652</b>	<b>216,916</b>	<b>230,506</b>	<b>210,929</b>	<b>199,144</b>	<b>216,008</b>	<b>211,406</b>	<b>211,897</b>
Foodstuffs	6,919	21,105	39,392	42,262	35,711	35,043	35,771	28,073	26,325
Raw materials	4,114	7,538	20,066	15,136	13,339	13,277	14,924	13,522	13,280
Fuels	1,695	4,481	8,134	10,294	12,777	9,703	9,468	10,106	8,205
Manufactures	28,762	70,961	144,065	156,991	142,470	134,698	146,932	149,201	153,896
Other	1,736	3,568	5,261	5,825	6,634	6,424	8,915	10,505	10,193
<b>Canada</b>	<b>16,185</b>	<b>32,300</b>	<b>63,105</b>	<b>68,281</b>	<b>66,977</b>	<b>72,420</b>	<b>84,938</b>	<b>85,575</b>	<b>86,488</b>
Foodstuffs	1,975	4,399	7,773	8,775	8,987	9,150	9,308	7,946	7,797
Raw materials	4,850	7,450	15,519	14,300	12,167	13,116	14,623	13,924	14,422
Fuels	978	5,334	9,010	9,451	9,601	10,017	11,079	11,921	8,202
Manufactures	8,262	14,842	29,724	34,115	34,849	38,576	47,714	49,645	53,152
Other	119	276	1,079	1,640	1,372	1,562	2,214	2,139	2,915
<b>Japan</b>	<b>19,319</b>	<b>55,728</b>	<b>129,542</b>	<b>151,910</b>	<b>138,584</b>	<b>146,804</b>	<b>170,038</b>	<b>175,858</b>	<b>206,219</b>
Foodstuffs	674	808	1,704	1,837	1,498	1,509	1,589	1,428	1,550
Raw materials	433	1,262	2,218	1,731	1,442	1,768	1,513	1,622	1,853
Fuels	48	220	504	554	411	432	505	539	581
Manufactures	17,965	52,638	123,768	146,503	133,949	141,653	164,808	170,537	200,108
Other	200	800	1,350	1,286	1,291	1,442	1,623	1,733	2,127

**Table 57 (continued)**  
**Big Seven: Exports, by Commodity <sup>a</sup>**

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>West Germany</b>	<b>34,189</b>	<b>90,021</b>	<b>191,647</b>	<b>175,485</b>	<b>175,456</b>	<b>168,748</b>	<b>171,016</b>	<b>183,335</b>	<b>242,404</b>
Foodstuffs	1,188	4,241	10,146	10,227	9,814	9,236	9,414	9,608	12,375
Raw materials	1,192	2,643	6,512	5,007	4,391	4,709	4,829	4,876	4,243
Fuels	1,011	2,813	7,143	6,973	6,473	5,626	5,546	5,058	3,880
Manufactures	30,232	78,706	162,675	147,755	149,518	143,140	145,710	158,223	217,393
Other	565	1,618	5,172	5,523	5,260	6,039	5,517	5,570	4,512
<b>France</b>	<b>17,739</b>	<b>51,604</b>	<b>110,868</b>	<b>101,247</b>	<b>92,359</b>	<b>91,145</b>	<b>93,166</b>	<b>97,458</b>	<b>119,071</b>
Foodstuffs	2,803	8,069	17,796	17,216	15,239	15,415	15,271	15,903	19,406
Raw materials	1,199	2,628	5,853	4,649	3,869	4,045	4,556	4,481	4,835
Fuels	376	1,410	4,485	4,724	3,661	3,461	3,396	3,751	3,190
Manufactures	13,147	39,052	82,276	74,264	69,173	67,632	69,444	72,807	91,070
Other	214	445	456	394	417	592	499	516	570
<b>United Kingdom</b>	<b>19,351</b>	<b>43,660</b>	<b>114,382</b>	<b>102,137</b>	<b>96,544</b>	<b>91,421</b>	<b>94,308</b>	<b>101,097</b>	<b>106,654</b>
Foodstuffs	1,259	3,221	7,774	7,500	6,989	6,554	6,486	6,671	8,411
Raw materials	1,190	1,961	6,418	4,387	3,855	4,196	4,100	3,685	4,225
Fuels	496	1,798	14,882	19,364	19,517	19,824	20,479	21,578	12,677
Manufactures	15,151	33,682	82,603	68,405	63,492	58,411	60,908	66,833	78,476
Other	1,253	2,998	2,705	2,481	2,691	2,436	2,335	2,330	2,865
<b>Italy</b>	<b>13,210</b>	<b>34,825</b>	<b>77,641</b>	<b>75,247</b>	<b>73,440</b>	<b>72,671</b>	<b>73,359</b>	<b>78,945</b>	<b>97,815</b>
Foodstuffs	1,127	2,921	5,448	5,597	5,454	4,901	5,062	5,885	6,550
Raw materials	341	682	1,462	1,664	1,220	1,389	1,484	1,516	1,889
Fuels	669	2,030	4,395	4,725	4,991	3,893	3,323	3,687	2,728
Manufactures	11,036	29,035	65,652	63,182	61,382	62,144	62,907	67,569	86,137
Other	37	157	684	79	393	344	583	288	511

<sup>a</sup> Data are from the United Nations trade tapes. Country totals in this table do not agree with totals in tables 53 and 56 because of differences in reporting practices.

**Table 58**  
**Big Seven: Imports, by Commodity <sup>a</sup>**

Million US \$

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Big Seven</b>	<b>157,592</b>	<b>408,071</b>	<b>984,149</b>	<b>950,059</b>	<b>889,979</b>	<b>888,310</b>	<b>989,823</b>	<b>1,025,178</b>	<b>1,129,451</b>
Foodstuffs	27,228	60,387	106,733	101,677	97,838	97,298	101,652	104,041	120,827
Raw materials	27,828	45,582	100,855	82,894	72,611	75,183	80,872	76,183	76,727
Fuels	17,018	101,364	280,218	284,271	245,788	216,450	221,160	208,549	144,000
Manufactures	81,261	190,483	483,309	469,087	460,132	485,341	569,661	618,381	756,901
Other	4,260	10,255	13,051	12,146	13,624	14,053	16,490	18,024	30,956
<b>United States</b>	<b>39,962</b>	<b>96,941</b>	<b>250,280</b>	<b>271,213</b>	<b>253,033</b>	<b>267,971</b>	<b>338,189</b>	<b>358,895</b>	<b>381,362</b>
Foodstuffs	6,446	10,518	20,572	20,910	19,902	21,024	24,254	25,238	27,255
Raw materials	4,687	8,116	17,504	17,258	13,056	16,043	17,598	16,041	17,013
Fuels	3,081	26,403	82,204	84,261	67,424	59,999	63,074	55,680	39,768
Manufactures	23,988	48,526	125,798	143,734	147,004	165,081	226,383	253,434	287,985
Other	1,761	3,377	4,204	5,053	5,650	5,825	6,881	8,503	9,283
<b>Canada</b>	<b>13,348</b>	<b>33,954</b>	<b>57,707</b>	<b>64,897</b>	<b>54,259</b>	<b>60,477</b>	<b>73,230</b>	<b>75,869</b>	<b>81,095</b>
Foodstuffs	1,153	2,817	4,301	4,554	4,186	4,228	4,761	4,480	4,926
Raw materials	727	1,578	3,635	3,384	2,610	3,025	3,219	2,951	3,424
Fuels	749	4,090	7,143	7,953	5,473	4,171	4,702	4,568	3,782
Manufactures	10,518	25,071	41,734	47,976	41,012	48,077	59,141	62,428	66,040
Other	202	397	894	1,030	978	977	1,408	1,442	2,922
<b>Japan</b>	<b>18,883</b>	<b>57,840</b>	<b>139,892</b>	<b>140,830</b>	<b>130,319</b>	<b>125,017</b>	<b>134,257</b>	<b>127,512</b>	<b>124,269</b>
Foodstuffs	3,195	10,344	16,849	18,247	16,576	17,117	18,609	17,752	20,802
Raw materials	7,188	11,421	26,120	22,073	21,039	20,331	21,934	20,108	19,519
Fuels	3,906	25,641	69,991	72,563	65,618	58,925	60,337	55,790	35,909
Manufactures	4,381	9,849	26,023	26,897	26,121	27,586	32,167	32,123	38,250
Other	213	584	912	1,055	968	1,062	1,214	1,743	9,789

**Table 58 (continued)**  
**Big Seven: Imports, by Commodity <sup>a</sup>**

Million US \$

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>West Germany</b>	<b>29,814</b>	<b>74,208</b>	<b>185,922</b>	<b>162,691</b>	<b>154,049</b>	<b>152,011</b>	<b>152,872</b>	<b>157,596</b>	<b>189,647</b>
Foodstuffs	5,524	12,092	22,749	20,343	19,576	18,924	18,599	19,145	22,503
Raw materials	5,109	8,095	17,798	13,378	12,263	12,442	13,299	12,887	12,233
Fuels	2,627	13,099	41,904	39,802	36,427	32,404	31,170	31,348	21,876
Manufactures	15,608	38,760	98,797	85,827	82,067	84,559	85,487	90,647	127,948
Other	947	2,163	4,676	3,344	3,719	3,684	4,320	3,582	5,086
<b>France</b>	<b>18,922</b>	<b>53,606</b>	<b>134,328</b>	<b>120,279</b>	<b>115,454</b>	<b>105,272</b>	<b>103,613</b>	<b>107,588</b>	<b>127,854</b>
Foodstuffs	2,798	6,921	13,815	12,406	12,231	11,938	11,693	11,825	15,000
Raw materials	2,675	5,050	10,737	8,503	7,310	6,890	7,183	7,050	7,639
Fuels	2,291	12,260	35,726	34,671	30,827	25,751	24,905	23,946	16,144
Manufactures	11,103	29,210	73,544	64,564	64,998	60,602	59,756	64,668	88,962
Other	55	165	509	137	91	93	78	101	111
<b>United Kingdom</b>	<b>21,724</b>	<b>53,595</b>	<b>117,902</b>	<b>101,153</b>	<b>99,032</b>	<b>99,240</b>	<b>105,687</b>	<b>109,110</b>	<b>125,449</b>
Foodstuffs	5,267	10,345	15,564	14,265	13,699	12,777	13,018	12,944	15,695
Raw materials	4,342	6,048	12,437	8,904	7,710	8,487	8,022	7,533	8,089
Fuels	2,270	9,613	15,912	14,280	12,868	10,657	13,797	13,496	9,185
Manufactures	8,804	24,180	72,474	62,293	63,114	65,889	69,387	73,553	90,427
Other	1,042	3,409	1,516	1,412	1,642	1,431	1,466	1,584	2,053
<b>Italy</b>	<b>14,939</b>	<b>37,928</b>	<b>98,119</b>	<b>88,996</b>	<b>83,834</b>	<b>78,322</b>	<b>81,971</b>	<b>88,593</b>	<b>99,775</b>
Foodstuffs	2,846	7,350	12,883	10,952	11,669	11,289	10,718	12,657	14,646
Raw materials	3,100	5,274	12,624	9,394	8,625	7,965	9,618	9,623	8,810
Fuels	2,095	10,258	27,338	30,741	27,150	24,544	23,176	23,722	17,336
Manufactures	6,859	14,888	44,937	37,797	35,815	33,546	37,339	41,525	57,289
Other	40	159	339	114	576	981	1,122	1,068	1,693

<sup>a</sup> Data are from the United Nations trade tapes. Country totals in this table do not agree with totals in tables 54 and 56 because of differences in reporting practices.

**Table 59**  
**Big Seven: Trade Balance, by Commodity**

Million US \$

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>Big Seven</b>	<b>5,626</b>	<b>7,719</b>	<b>-80,044</b>	<b>-45,439</b>	<b>-35,687</b>	<b>-45,952</b>	<b>-86,985</b>	<b>-91,501</b>	<b>-53,185</b>
Foodstuffs	-11,282	-15,622	-16,700	-8,263	-14,152	-15,489	-18,751	-28,527	-38,432
Raw materials	-14,508	-21,418	-42,808	-36,020	-32,329	-32,684	-34,843	-32,557	-31,779
Fuels	-11,744	-83,279	-231,664	-228,186	-188,358	-163,494	-167,365	-151,909	-104,502
Manufactures	43,294	128,433	207,456	222,131	194,704	160,915	128,763	116,435	120,464
Other	-136	-393	3,655	4,883	4,434	4,786	5,196	5,057	1,094
<b>United States</b>	<b>3,264</b>	<b>10,711</b>	<b>-33,364</b>	<b>-40,707</b>	<b>-42,104</b>	<b>-68,827</b>	<b>-122,181</b>	<b>-147,489</b>	<b>-169,465</b>
Foodstuffs	473	10,587	18,820	21,352	15,809	14,019	11,517	2,835	-930
Raw materials	-573	-578	2,562	-2,122	283	-2,766	-2,674	-2,519	-3,733
Fuels	-1,386	-21,923	-74,070	-73,967	-54,647	-50,296	-53,606	-45,574	-31,563
Manufactures	4,774	22,435	18,267	13,257	-4,534	-30,383	-79,451	-104,233	-134,090
Other	-24	191	-1,057	-772	-984	599	2,034	2,002	910
<b>Canada</b>	<b>2,836</b>	<b>-1,654</b>	<b>5,398</b>	<b>3,384</b>	<b>12,718</b>	<b>11,943</b>	<b>11,708</b>	<b>9,706</b>	<b>5,393</b>
Foodstuffs	823	1,582	3,472	4,221	4,801	4,922	4,547	3,466	2,871
Raw materials	4,123	5,872	11,884	10,916	9,557	10,091	11,404	10,973	10,998
Fuels	229	1,243	1,867	1,498	4,128	5,846	6,377	7,353	4,420
Manufactures	-2,255	-10,229	-12,010	-13,861	-6,163	-9,501	-11,427	-12,783	-12,888
Other	-83	-121	185	610	394	585	806	697	-7
<b>Japan</b>	<b>437</b>	<b>-2,112</b>	<b>-10,350</b>	<b>11,080</b>	<b>8,265</b>	<b>21,787</b>	<b>35,781</b>	<b>48,346</b>	<b>81,950</b>
Foodstuffs	-2,521	-9,536	-15,145	-16,410	-15,084	-15,608	-17,020	-16,323	-19,252
Raw materials	-6,755	-10,158	-23,902	-20,342	-19,597	-18,563	-20,421	-18,486	-17,666
Fuels	-3,858	-25,422	-69,487	-72,009	-65,207	-58,493	-59,832	-55,251	-35,328
Manufactures	13,584	42,788	97,745	119,606	107,828	114,067	132,641	138,414	161,858
Other	-13	216	438	231	323	380	409	-10	-7,662

**Table 59 (continued)**  
**Big Seven: Trade Balance, by Commodity***Million US \$*

	1970	1975	1980	1981	1982	1983	1984	1985	1986
<b>West Germany</b>	<b>4,375</b>	<b>15,814</b>	<b>5,725</b>	<b>12,794</b>	<b>21,407</b>	<b>16,737</b>	<b>18,144</b>	<b>25,739</b>	<b>52,757</b>
Foodstuffs	-4,335	-7,850	-12,603	-10,116	-9,762	-9,688	-9,185	-9,537	-10,128
Raw materials	-3,917	-5,452	-11,286	-8,371	-7,872	-7,733	-8,470	-8,011	-7,990
Fuels	-1,616	-10,286	-34,761	-32,829	-29,954	-26,778	-25,624	-26,290	-17,996
Manufactures	14,624	39,946	63,878	61,928	67,451	58,581	60,223	67,576	89,445
Other	-382	-545	496	2,179	1,541	2,355	1,197	1,988	-574
<b>France</b>	<b>-1,184</b>	<b>-2,002</b>	<b>-23,460</b>	<b>-19,032</b>	<b>-23,095</b>	<b>-14,127</b>	<b>-10,447</b>	<b>-10,130</b>	<b>-8,783</b>
Foodstuffs	5	1,148	3,981	4,810	3,008	3,477	3,578	4,078	4,406
Raw materials	-1,476	-2,422	-4,884	-3,854	-3,441	-2,845	-2,627	-2,569	-2,804
Fuels	-1,915	-10,850	-31,241	-29,947	-27,166	-22,290	-21,509	-20,195	-12,954
Manufactures	2,044	9,842	8,732	9,700	4,175	7,030	9,688	8,139	2,108
Other	158	280	-53	257	326	499	421	415	459
<b>United Kingdom</b>	<b>-2,373</b>	<b>-9,935</b>	<b>-3,520</b>	<b>984</b>	<b>-2,490</b>	<b>-7,819</b>	<b>-11,379</b>	<b>-8,013</b>	<b>-18,795</b>
Foodstuffs	-4,007	-7,124	-7,790	-6,765	-6,710	-6,223	-6,532	-6,273	-7,284
Raw materials	-3,151	-4,087	-6,019	-4,517	-3,855	-4,291	-3,922	-3,848	-3,864
Fuels	-1,773	-7,815	-1,030	5,084	6,649	9,167	6,682	8,082	3,492
Manufactures	6,348	9,502	10,129	6,112	378	-7,478	-8,479	-6,720	-11,951
Other	211	-412	1,189	1,069	1,049	1,005	869	746	812
<b>Italy</b>	<b>-1,729</b>	<b>-3,103</b>	<b>-20,478</b>	<b>-13,749</b>	<b>-10,394</b>	<b>-5,651</b>	<b>-8,612</b>	<b>-9,648</b>	<b>-1,960</b>
Foodstuffs	-1,719	-4,428	-7,435	-5,355	-6,215	-6,388	-5,656	-6,772	-8,096
Raw materials	-2,760	-4,592	-11,162	-7,730	-7,405	-6,576	-8,134	-8,107	-6,921
Fuels	-1,426	-8,227	-22,943	-26,016	-22,159	-20,651	-19,853	-20,035	-14,608
Manufactures	4,177	14,147	20,715	25,385	25,567	28,598	25,568	26,044	28,848
Other	-3	-2	345	-35	-183	-637	-539	-780	-1,182

**Table 60**  
**Selected Non-OPEC LDCs: Indexes of Export**  
**Prices, Import Prices, and Terms of Trade <sup>a</sup>**

	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>Non-OPEC LDCs</b>										
Export	185	226	233	273	314	301	282	273	277	252
Import	217	230	252	295	358	368	350	337	331	310
Terms of Trade	85	98	92	93	88	82	81	81	84	81
<b>Brazil</b>										
Export	189	266	246	269	285	268	252	238	243	229
Import	217	232	247	297	380	422	408	387	367	346
Terms of Trade	87	115	100	91	75	64	62	61	66	66
<b>Colombia</b>										
Export	175	376	315	311	347	311	308	309	330	308
Import	173	192	215	237	260	276	282	276	285	269
Terms of Trade	101	196	147	131	133	113	109	112	116	114
<b>El Salvador</b>										
Export	164	317	266	302	312	290	275	222	NA	NA
Import	197	193	215	240	305	339	362	337	NA	NA
Terms of Trade	83	164	124	126	102	86	76	66	NA	NA
<b>Ethiopia</b>										
Export	123	222	220	229	221	NA	NA	NA	NA	NA
Import	155	177	197	214	240	263	NA	NA	NA	NA
Terms of Trade	79	134	125	112	107	92	NA	NA	NA	NA
<b>India</b>										
Export	172	199	211	230	NA	NA	NA	NA	NA	NA
Import	226	201	224	292	NA	NA	NA	NA	NA	NA
Terms of Trade	76	99	94	79	NA	NA	NA	NA	NA	NA
<b>Jordan</b>										
Export	291	245	271	280	335	346	355	315	324	306
Import	259	251	262	284	355	389	371	329	327	310
Terms of Trade	112	98	103	99	94	89	96	96	99	99
<b>Kenya</b>										
Export	175	297	270	297	360	324	295	290	321	278
Import	221	245	278	333	440	462	440	462	436	453
Terms of Trade	79	121	97	89	82	70	67	63	74	61
<b>Malaysia</b>										
Export	183	246	273	351	414	381	350	337	350	299
Import	249	254	276	314	378	409	401	387	372	347
Terms of Trade	73	97	99	112	110	93	87	87	94	86



**Table 60 (continued)**  
**Selected Non-OPEC LDCs: Indexes of Export**  
**Prices, Import Prices, and Terms of Trade <sup>a</sup>**

	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>Mauritius</b>										
Export	454	332	350	385	436	405	369	366	347	354
Import	257	283	324	382	458	421	428	389	372	364
Terms of Trade	177	117	108	101	95	96	86	94	93	97
<b>Morocco</b>										
Export	308	203	234	NA	NA	NA	NA	NA	NA	NA
Import	232	162	NA	NA	NA	NA	NA	NA	NA	NA
Terms of Trade	133	125	NA	NA	NA	NA	NA	NA	NA	NA
<b>Pakistan</b>										
Export	173	227	258	299	319	331	303	294	306	265
Import	220	218	231	259	323	371	350	318	326	299
Terms of Trade	79	104	112	115	99	89	87	92	94	89
<b>Philippines</b>										
Export	168	150	168	207	216	211	176	184	203	178
Import	258	283	289	339	420	467	399	401	453	426
Terms of Trade	65	53	58	61	51	45	44	46	45	42
<b>South Korea</b>										
Export	148	181	200	241	252	260	251	242	250	241
Import	217	217	230	295	355	374	346	330	334	320
Terms of Trade	68	83	87	82	71	70	73	73	75	75
<b>Sri Lanka</b>										
Export	143	209	223	244	265	240	217	245	290	241
Import	261	222	240	367	493	548	466	423	423	440
Terms of Trade	55	94	93	66	54	44	47	58	69	55
<b>Syria</b>										
Export	291	381	404	531	690	766	669	628	642	NA
Import	273	297	317	397	515	669	628	726	680	NA
Terms of Trade	107	128	127	134	134	114	107	87	94	NA
<b>Thailand</b>										
Export	212	210	229	272	321	310	273	277	271	239
Import	239	270	294	338	418	465	451	426	417	398
Terms of Trade	89	78	78	80	77	67	61	65	65	68
<b>Tunisia</b>										
Export	395	340	375	529	770	791	724	653	NA	NA
Import	215	202	213	236	267	258	234	212	198	198
Terms of Trade	184	168	176	224	288	307	309	308	NA	NA

<sup>a</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.

**Table 61**  
**Newly Industrialized Countries:**  
**Trade With the Big Seven**

Billion US \$

	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
<b>NICs</b>										
Exports	0.3	20.2	48.1	58.1	67.2	69.8	82.8	101.1	103.8	114.1
Imports	9.3	28.1	54.4	68.6	75.8	63.6	62.4	72.2	71.3	82.8
Balance	-9.0	-7.9	-6.3	-10.5	-8.6	6.2	20.4	28.9	32.5	31.3
<b>Brazil</b>										
Exports	0.2	4.6	6.0	7.3	8.2	8.2	12.0	15.9	16.0	14.9
Imports	1.7	6.6	6.6	8.4	7.6	6.0	4.8	6.0	6.0	8.3
Balance	-1.5	-2.0	-0.6	-1.1	0.6	2.2	7.2	9.9	10.0	6.6
<b>China (Taiwan)</b>										
Exports	NEGL	3.6	11.2	12.6	14.2	14.7	17.8	22.7	24.5	30.9
Imports	1.3	3.9	8.7	10.6	10.8	9.8	11.3	12.5	11.1	15.2
Balance	-1.3	-0.3	2.5	2.0	3.4	4.9	6.5	10.2	13.4	15.7
<b>Hong Kong</b>										
Exports	0.1	3.5	7.2	8.5	9.6	9.3	10.4	13.3	13.0	15.8
Imports	1.5	2.9	7.5	9.6	10.2	9.7	10.0	12.0	11.7	13.8
Balance	-1.4	0.6	-0.3	-1.1	-0.6	-0.4	0.4	1.4	1.3	2.0
<b>Mexico</b>										
Exports	0.1	3.7	10.2	15.3	18.0	20.0	21.6	23.3	23.8	20.9
Imports	2.3	6.8	12.5	19.1	23.2	15.2	11.4	14.5	16.3	15.3
Balance	-2.2	-3.1	-2.3	-3.8	-5.2	4.8	10.2	8.8	7.5	-5.6
<b>Singapore</b>										
Exports	NEGL	1.4	4.4	5.3	6.2	5.9	7.2	8.5	8.4	8.5
Imports	0.9	3.2	6.6	9.2	10.3	10.4	11.1	11.2	10.3	10.6
Balance	-0.9	-1.8	-2.2	-4.0	-4.2	-4.1	-3.9	-2.7	-1.9	-2.1
<b>South Korea</b>										
Exports	NEGL	3.5	9.1	9.1	11.0	11.7	13.8	17.4	18.1	23.1
Imports	1.6	4.6	12.5	11.7	13.7	12.5	13.8	16.2	15.9	19.6
Balance	-1.6	-1.1	-3.4	-2.6	-2.7	0.8	NEGL	1.2	2.2	3.5

**Table 62**  
**Selected Countries: Oil Export Revenues**

Billion US \$

	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Non-Communist countries										
Algeria	4	6	9	15	14	13	13	12	13	6
Ecuador	1	1	1	2	2	2	2	2	2	1
Gabon	1	1	1	1	2	2	2	2	2	1
Indonesia	4	6	8	13	14	15	14	12	8	5
Iran	19	21	20	13	11	19	19	17	15	7
Iraq	8	11	22	25	11	10	8	10	11	7
Kuwait	8	9	17	19	14	9	10	11	10	7
Libya	6	10	15	23	14	14	12	10	9	5
Mexico	NEGL	2	4	9	13	16	15	15	13	6
Nigeria	7	9	16	24	18	12	10	12	12	6
Qatar	2	2	4	6	6	4	3	3	3	2
Saudi Arabia	27	36	56	99	112	74	45	37	26	22
United Arab Emirates	7	8	13	19	19	16	13	11	11	7
Venezuela	8	9	13	18	19	16	14	15	13	7
Communist countries										
USSR <sup>a</sup>	8	15	22	28	30	35	37	39	37	33

<sup>a</sup> Soviet prices to other CEMA countries, which in volume terms account for about one half of Soviet exports of crude oil and petroleum products, have been based on an average of the world market prices for the previous five years.

**Table 63**  
**Selected Countries: Oil Import Bill <sup>a</sup>**

Billion US \$

	1970	1973	1975	1979	1980	1983	1984	1985	1986
<b>Developed Countries</b>									
United States	2.3	7.0	24.8	59.5	76.9	54.3	58.1	51.4	36.5
Israel	0.1	0.2	0.6	1.3	2.1	1.5	1.4	1.3	0.7
Japan	2.7	6.7	21.0	38.0	58.9	45.7	45.5	40.6	24.1
<b>European Community</b>									
France	1.6	3.3	10.5	19.4	30.7	20.7	20.0	18.8	11.1
Italy	1.2	2.4	9.2	16.6	24.6	21.1	18.8	19.3	11.9
Netherlands	0.3	0.5	5.8	12.4	17.0	13.7	12.8	12.6	7.4
Spain	0.4	0.9	3.7	7.1	11.9	10.5	9.9	9.8	6.2
United Kingdom	1.8	3.3	9.3	11.0	14.0	8.6	11.0	10.5	6.4
West Germany	2.0	5.1	11.7	26.6	35.1	25.2	24.4	24.1	15.5
<b>Less developed countries</b>									
Brazil	0.2	0.7	3.3	6.9	10.3	8.7	6.9	5.8	3.0
India	0.2	0.7	1.4	3.0	6.1	3.5	2.9	3.1	2.5
South Korea	0.1	0.3	1.3	3.4	6.2	6.2	6.4	6.2	3.9
China (Taiwan)	0.1	0.2	0.7	2.5	4.2	4.1 <sup>b</sup>	3.8 <sup>b</sup>	3.3 <sup>b</sup>	2.8
Philippines	0.1	0.2	0.8	1.4	2.3	2.1	1.5	1.3	0.8 <sup>b</sup>
Thailand	0.1	0.2	0.7	1.6	2.8	2.3	2.3	2.1	0.8
Colombia	-0.1	-0.1	0.1	0.3	0.6	0.6	0.4	0.3	0.1
Pakistan	0.1	0.1	0.4	0.7	1.4	1.5	1.4	1.4	0.7
Hong Kong	0.1	0.1	0.4	1.0	1.2	1.4	1.3	1.1	0.8
Chile	0.1	0.1	0.3	0.2	0.9	0.6	0.6	0.5	0.4

<sup>a</sup> Total cost of imported crude oil and petroleum products.

<sup>b</sup> Crude petroleum only.

**Table 64**  
**Importance of Soviet Trade to**  
**Selected Western Countries**

Percent

Soviet Trading Partner	Exports to USSR as a Share of Total Exports				Imports From USSR as a Share of Total Imports				Share of Trading Partner's GNP							
									Exports to the USSR				Imports From the USSR			
	1980	1983	1984	1985	1980	1983	1984	1985	1980	1983	1984	1985	1980	1983	1984	1985
Argentina	20.1	20.9	14.7	14.4	0.1	0.7	0.8	1.1	0.8	NEGL	NEGL	NA	NEGL	NEGL	NEGL	NA
Australia	4.8	2.4	2.5	2.7	0.1	0.1	0.1	NEGL	0.8	0.3	0.3	0.4	NEGL	NEGL	0.1	NEGL
Austria	2.7	3.9	4.5	3.8	4.2	4.3	5.0	4.4	0.6	0.9	1.1	1.0	1.3	1.2	1.5	1.3
Brazil	1.8	3.4	1.5	1.8	0.2	1.1	1.1	0.5	0.2	0.4	0.2	0.2	NEGL	0.1	0.1	NEGL
Canada	2.1	2.0	1.9	1.4	0.1	NEGL	NEGL	NEGL	0.5	0.5	0.5	0.4	NEGL	NEGL	NEGL	NEGL
Finland	17.6	26.1	18.9	21.5	21.0	25.7	23.2	20.6	4.9	6.8	5.1	5.7	6.5	6.9	5.8	5.3
France	2.2	2.4	2.1	2.0	2.7	2.7	2.5	2.3	1.0	0.8	1.0	1.0	0.6	1.0	1.0	1.0
Italy	1.6	2.6	2.2	2.0	3.0	4.5	4.9	3.3	0.3	0.5	0.5	0.4	0.8	1.0	1.2	0.8
Japan	2.1	1.9	1.5	1.6	1.3	1.1	1.0	1.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
Netherlands	0.7	0.9	0.5	0.5	1.7	4.3	3.6	3.6	0.3	0.4	0.3	0.3	0.8	2.0	1.8	1.9
United Kingdom	0.9	0.7	1.0	0.7	1.5	1.1	1.1	0.9	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.2
United States	0.7	1.0	1.5	1.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	NEGL	NEGL	NEGL	NEGL
West Germany	2.3	2.6	2.2	2.0	2.2	2.9	3.3	2.9	0.5	0.7	0.6	0.6	0.5	0.7	0.8	0.7

**Table 65**  
**Selected Exporting Countries: Trade**  
**of High-Technology Industries**

Percent

Rank	Microelectronics		Computers		Telecommunications Equipment		Aerospace		Machine Tools and Robotics	
	1981	1985	1981	1985	1981	1985	1981	1985	1981	1985
1	United States (25.7)	United States (23.1)	United States (40.8)	United States (32.3)	Japan (15.6)	Japan (24.0)	United States (49.4)	United States (47.9)	West Germany (22.5)	Japan (21.5)
2	Japan (12.3)	Japan (16.6)	West Germany (10.7)	Japan (13.2)	West Germany (14.8)	Sweden (12.6)	United Kingdom (14.2)	United Kingdom (12.9)	United States (17.6)	West Germany (17.3)
3	Malaysia (10.7)	Malaysia (10.4)	United Kingdom (8.5)	United Kingdom (8.8)	Sweden (14.2)	United States (11.8)	West Germany (10.3)	West Germany (10.5)	Japan (14.2)	United States (17.0)
4	Singapore (7.7)	Singapore (6.1)	France (7.8)	West Germany (8.2)	United States (12.4)	West Germany (9.5)	France (6.5)	France (8.5)	Italy (8.6)	Switzerland (8.9)
5	West Germany (5.8)	West Germany (5.5)	Japan (6.1)	France (5.2)	Netherlands (7.3)	Canada (8.1)	Canada (4.9)	Canada (5.1)	Switzerland (8.0)	Italy (7.4)
6	Philippines (5.0)	United Kingdom (5.3)	Italy (4.1)	Italy (3.6)	France (5.9)	France (6.1)	Italy (3.8)	Italy (3.6)	United Kingdom (6.2)	United Kingdom (4.9)
7	Hong Kong (4.3)	South Korea (4.5)	Canada (3.6)	Netherlands (3.4)	Canada (5.2)	United Kingdom (3.5)	Belgium (1.4)	Netherlands (1.5)	France (4.9)	France (3.3)

**Table 66**  
**Soviet Foreign Trade <sup>a</sup>***Million US \$*

		Total Trade	Communist Countries					Non-Communist Countries			
			Total	Eastern Europe	China	Other Asia	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries	
										Total	Unspecified
1960	Exports	5,558	4,210	3,071	816	66	257	1,348	1,022	326	31
	Imports	5,623	3,974	2,792	847	98	237	1,649	1,120	529	33
1965	Exports	8,166	5,555	4,551	192	165	647	2,611	1,506	1,105	270
	Imports	8,050	5,606	4,668	225	120	593	2,444	1,647	797	2
1970	Exports	12,787	8,359	6,752	25	415	1,167	4,428	2,449	1,979	795
	Imports	11,720	7,630	6,627	22	156	825	4,090	2,849	1,241	16
1975	Exports	33,406	20,271	16,494	129	480	3,168	13,135	8,573	4,562	1,908
	Imports	37,076	19,415	15,723	150	277	3,265	17,661	13,554	4,107	31
1979	Exports	64,912	36,152	28,380	268	1,081	6,423	28,760	19,576	9,184	4,361
	Imports	57,966	32,810	26,762	241	618	5,189	25,156	20,405	4,751	49
1980	Exports	76,437	41,433	32,216	261	1,203	7,753	35,004	24,932	10,072	4,766
	Imports	68,473	36,420	29,407	226	681	6,106	32,053	24,386	7,667	168
1981	Exports	79,380	43,439	33,777	115	1,528	8,019	35,941	24,416	11,525	4,935
	Imports	73,194	37,174	29,399	131	584	7,060	36,020	25,356	10,664	209
1982	Exports	87,168	47,182	36,288	166	1,711	9,017	39,986	26,222	13,764	6,422
	Imports	77,846	42,529	33,566	143	791	8,029	35,317	26,202	9,115	172
1983	Exports	91,652	51,005	39,355	345	1,768	9,537	40,647	26,707	13,940	7,053
	Imports	80,451	45,494	37,163	314	764	7,253	34,957	25,379	9,578	287
1984	Exports	91,495	51,889	39,847	575	1,836	9,631	39,606	26,425	13,181	6,905
	Imports	80,410	47,067	37,530	627	778	8,132	33,343	24,228	9,115	136
1985	Exports	86,957	53,250	40,710	935	2,388	9,217	33,707	22,490	11,217	5,144
	Imports	82,929	50,662	39,398	991	834	9,439	32,267	23,301	8,966	127
1986	Exports	97,046	64,995	51,021	1,293	3,198	9,483	32,051	18,824	13,227	7,777
	Imports	88,873	59,425	47,275	1,295	1,077	9,778	29,448	22,651	6,797	134

<sup>a</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>b</sup> Cuba, Mongolia, and Yugoslavia.

**Table 67**  
**Soviet Exports <sup>a</sup>***Million US \$*

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985
<b>Total exports</b>	<b>5,558</b>	<b>8,166</b>	<b>12,787</b>	<b>33,406</b>	<b>76,437</b>	<b>79,380</b>	<b>87,168</b>	<b>91,652</b>	<b>91,495</b>	<b>86,957</b>
Machinery and equipment	1,141	1,634	2,753	6,241	12,081	10,862	11,230	11,426	11,408	11,858
Fuels, lubricants, and related materials	902	1,403	1,986	10,476	35,908	39,882	45,588	49,193	49,743	45,894
Coal and coke <sup>b</sup>	242	384	408	1,399	1,695	1,597	1,660	1,757	1,730	1,836
Petroleum and petroleum products	657	998	1,469	8,212	27,851	30,029	35,028	38,092	38,002	33,826
Ores and concentrates	243	310	403	868	993	1,016	1,026	1,053	1,042	982
Iron ore	175	250	325	692	651	656	665	682	662	623
Base metals and manufactures	837	1,328	1,978	3,813	NA	NA	NA	NA	NA	NA
Ferrous metals	642	997	1,351	2,673	3,551	3,511	3,644	3,681	3,534	3,591
Rolled ferrous metals	480	716	961	1,794	2,465	2,422	2,465	2,503	2,346	2,363
Nonferrous metals	195	331	627	1,140	NA	NA	NA	NA	NA	NA
Aluminum	35	111	184	356	NA	NA	NA	NA	NA	NA
Chemicals	150	244	334	949	2,025	2,275	2,203	2,307	2,707	2,824
Wood and wood products	305	593	831	1,916	3,093	2,632	2,471	2,587	2,575	2,634
Lumber	183	312	333	780	1,207	990	912	936	941	976
Textile raw materials and semimanufactures	358	421	437	976	1,435	1,545	1,566	1,297	1,142	1,111
Cotton fiber	288	334	372	917	1,357	1,472	1,444	1,195	1,000	965
Consumer goods	907	904	1,310	2,378	2,679	2,733	2,573	2,597	2,583	2,563
Food	702	664	994	1,538	1,407	1,584	1,331	1,299	1,337	1,283
Grain <sup>c</sup>	467	270	399	508	310	404	393	326	305	235
Other consumer goods	205	240	316	840	1,272	1,149	1,242	1,298	1,246	1,280
Other and unspecified	715	1,329	2,755	5,789	14,672	14,924	16,867	17,511	16,761	15,500

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

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



**Table 68**  
**Soviet Imports <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985
<b>Total imports</b>	<b>5,623</b>	<b>8,050</b>	<b>11,720</b>	<b>37,076</b>	<b>68,473</b>	<b>73,194</b>	<b>77,846</b>	<b>80,451</b>	<b>80,410</b>	<b>82,929</b>
Machinery and equipment	1,673	2,690	4,166	12,574	23,198	22,107	26,766	30,709	29,451	30,820
Transportation equipment	659	990	1,232	3,326	4,674	4,601	5,301	6,731	6,509	7,550
Fuels, lubricants, and related materials	237	198	226	1,447	1,126	1,483	2,239	3,042	3,420	3,048
Natural gas, coal, and coke	93	123	144	752	208	269	287	300	316	314
Petroleum and petroleum products	144	75	82	695	918	1,214	1,952	2,742	3,104	2,734
Ores and concentrates	314	315	304	631	881	949	858	931	1,030	1,058
Base metals and manufactures	545	389	691	3,595	4,653	4,594	5,358	4,948	4,656	4,881
Ferrous metals	373	314	593	3,346	4,635	4,574	5,343	4,937	4,644	4,870
Rolled ferrous metals	338	287	568	3,197	4,335	4,259	5,060	4,694	4,398	4,581
Nonferrous metals	172	75	98	249	18	20	15	11	12	11
Tin	35	21	30	65	NA	NA	NA	NA	NA	NA
Chemicals	149	373	493	1,447	3,275	3,211	3,028	3,216	3,256	3,705
Rubber and rubber products	196	199	194	331	351 <sup>b</sup>	298	209	285	254	191
Wood and wood products	105	150	248	796	1,369	1,305	1,219	1,076	1,000	1,045
Textile raw materials and semimanufactures	364	358	561	889	1,493	1,271	1,283	1,671	1,312	1,399
Cotton fiber	180	162	249	271	96	46	47	323	317	304
Wool fiber	118	100	120	265	502	534	549	565	355	465
Consumer goods	1,573	2,656	3,975	13,110	24,136	28,609	27,450	24,976	26,900	26,524
Food	613	1,512	1,838	8,347	15,882	19,262	17,664	15,818	17,634	16,392
Grain <sup>c</sup>	17	397	135	2,673	5,114	7,257	6,120	5,147	6,816	5,950
Other consumer goods	960	1,144	2,137	4,763	8,254	9,347	9,786	9,158	9,266	10,132
Other and unspecified	467	722	862	2,256	7,991	9,367	9,436	9,597	9,131	10,258

<sup>a</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.

<sup>b</sup> Only natural rubber reported.

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

**Table 69**  
**East European Foreign Trade <sup>a</sup>**

Million US \$

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	USSR	Eastern Europe	Other <sup>b</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
1975	Exports	45,269	30,126	15,639	12,157	2,330	15,143	11,379	3,764
	Imports	51,314	30,607	16,345	12,238	2,024	20,707	17,687	3,020
1980	Exports	85,002	53,997	29,334	20,612	4,051	31,005	22,269	8,736
	Imports	91,222	56,133	32,178	20,134	3,821	35,089	26,054	9,035
1981	Exports	83,426	52,995	29,422	19,096	4,477	30,431	20,076	10,355
	Imports	86,565	56,593	33,540	18,582	4,471	29,972	22,961	7,011
1982	Exports	89,133	58,707	33,366	20,295	5,046	30,426	20,243	10,183
	Imports	85,461	60,205	35,793	19,275	5,137	25,256	18,814	6,442
1983	Exports	94,774	63,966	36,842	21,944	5,180	30,808	21,531	9,277
	Imports	90,151	64,845	38,704	21,292	4,849	25,306	18,223	7,083
1984	Exports	97,688	66,055	37,494	22,115	6,446	31,633	22,584	9,049
	Imports	91,440	66,088	39,307	22,087	4,694	25,352	18,324	7,028
1985	Exports	97,794	68,272	39,151	22,966	6,155	29,522	21,329	8,193
	Imports	93,921	67,789	40,365	22,828	4,596	26,132	19,449	6,683
1986 <sup>c</sup>	Exports	113,816	83,407	47,816	28,646	6,944	30,410	22,693	7,717
	Imports	112,401	84,422	50,816	27,855	5,751	27,979	23,109	4,870

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

<sup>c</sup> Preliminary.

**Table 70**  
**East European Exports, by Country <sup>a</sup>**

Million US \$

	1960	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>Bulgaria</b>	<b>571</b>	<b>2,004</b>	<b>4,807</b>	<b>10,489</b>	<b>11,505</b>	<b>12,222</b>	<b>12,535</b>	<b>12,780</b>	<b>14,489</b>
USSR	307	1,078	2,643	5,268	5,950	6,852	6,816	7,138	8,907
Eastern Europe	151	431	968	1,741	1,858	2,091	2,032	2,181	2,674
Developed countries	73	289	474	1,636	1,302	1,272	1,215	1,133	834
Less developed countries	18	125	463	1,385	1,970	1,599	2,065	1,930	1,578
<b>Czechoslovakia</b>	<b>1,929</b>	<b>3,792</b>	<b>8,158</b>	<b>15,255</b>	<b>16,180</b>	<b>17,123</b>	<b>17,408</b>	<b>17,810</b>	<b>21,898</b>
USSR	659	1,222	2,664	5,535	6,671	7,305	7,599	7,802	9,401
Eastern Europe	561	1,213	2,621	4,294	4,264	4,423	4,449	4,757	6,104
Developed countries	335	783	1,673	3,242	2,786	2,680	2,775	2,778	3,182
Less developed countries	200	331	706	1,287	1,312	1,462	1,347	1,281	1,365
<b>East Germany <sup>c</sup></b>	<b>2,207</b>	<b>4,647</b>	<b>10,680</b>	<b>18,862</b>	<b>22,203</b>	<b>24,291</b>	<b>24,552</b>	<b>23,889</b>	<b>27,862</b>
USSR	924	1,742	3,700	6,616	7,712	8,637	9,112	8,892	10,129
Eastern Europe	588	1,386	3,368	5,389	5,276	5,713	5,592	5,698	6,928
Developed countries	446	1,078	2,631	4,546	6,432	7,250	7,247	7,053	7,939
Less developed countries	89	183	431	1,205	1,611	1,471	1,155	1,124	1,275
<b>Hungary</b>	<b>874</b>	<b>2,317</b>	<b>5,694</b>	<b>11,644</b>	<b>12,424</b>	<b>13,199</b>	<b>13,278</b>	<b>13,438</b>	<b>15,366</b>
USSR	256	790	2,174	3,980	4,910	5,253	5,020	5,742	6,715
Eastern Europe	278	648	1,518	3,288	3,170	3,385	3,563	3,403	4,282
Developed countries	192	630	1,424	3,031	2,654	2,899	2,989	2,609	2,913
Less developed countries	58	137	334	845	1,147	1,106	985	899	746
<b>Poland</b>	<b>1,326</b>	<b>3,548</b>	<b>10,510</b>	<b>17,543</b>	<b>15,262</b>	<b>16,427</b>	<b>17,269</b>	<b>17,710</b>	<b>21,701</b>
USSR	390	1,251	3,362	5,609	5,804	6,550	6,792	6,860	9,013
Eastern Europe	335	882	2,671	3,801	3,667	4,043	4,295	4,766	6,020
Developed countries	403	1,024	3,278	5,857	3,661	3,755	4,059	3,983	3,950
Less developed countries	93	258	845	1,649	1,545	1,481	1,448	1,207	1,628
<b>Romania</b>	<b>717</b>	<b>1,851</b>	<b>5,420</b>	<b>11,209</b>	<b>11,559</b>	<b>11,512</b>	<b>12,646</b>	<b>12,167</b>	<b>12,500</b>
USSR	281	529	1,096	2,326	2,319	2,245	2,155	2,717	3,651
Eastern Europe	189	395	1,011	2,099	2,060	2,289	2,184	2,161	2,638
Developed countries	154	622	1,899	3,957	3,408	3,675	4,298	3,773	3,875
Less developed countries	40	153	985	2,365	2,598	2,158	2,049	1,752	1,125

<sup>a</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>b</sup> Preliminary.

<sup>c</sup> East German figures were converted first into current-year rubles and then into current-year US dollars.

**Table 71**  
**East European Imports, by Country <sup>a</sup>**

Million US \$

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>Bulgaria</b>	<b>625</b>	<b>1,178</b>	<b>1,831</b>	<b>5,528</b>	<b>9,776</b>	<b>11,611</b>	<b>12,374</b>	<b>12,349</b>	<b>13,087</b>	<b>15,296</b>
USSR	332	589	955	2,826	5,622	6,499	7,196	7,145	7,250	8,831
Eastern Europe	174	236	372	1,007	1,394	1,576	1,756	2,107	2,265	2,748
Developed countries	89	266	355	1,289	1,658	1,922	1,719	1,826	2,076	2,320
Less developed countries	13	37	81	209	342	708	768	842	1,064	932
<b>Czechoslovakia</b>	<b>1,816</b>	<b>2,673</b>	<b>3,695</b>	<b>8,874</b>	<b>15,523</b>	<b>16,005</b>	<b>17,039</b>	<b>17,350</b>	<b>17,894</b>	<b>21,966</b>
USSR	630	955	1,209	2,818	5,659	7,045	8,004	8,154	8,256	10,084
Eastern Europe	524	851	1,123	2,839	4,506	3,927	4,612	4,888	5,133	6,481
Developed countries	360	514	917	2,244	3,693	2,932	2,708	2,590	2,711	3,448
Less developed countries	161	197	214	501	829	682	664	738	711	804
<b>East Germany <sup>c</sup></b>	<b>2,194</b>	<b>2,823</b>	<b>4,923</b>	<b>11,947</b>	<b>20,790</b>	<b>20,624</b>	<b>21,975</b>	<b>21,926</b>	<b>22,155</b>	<b>27,618</b>
USSR	958	1,205	1,945	4,172	7,451	8,571	8,902	8,878	8,995	11,376
Eastern Europe	496	693	1,246	3,147	5,004	4,696	4,972	5,068	5,262	6,320
Developed countries	484	656	1,378	3,704	6,336	5,625	6,347	6,357	6,542	8,344
Less developed countries	90	120	182	483	1,218	876	1,021	964	894	450
<b>Hungary</b>	<b>976</b>	<b>1,520</b>	<b>2,505</b>	<b>6,795</b>	<b>12,613</b>	<b>12,866</b>	<b>13,367</b>	<b>12,939</b>	<b>12,934</b>	<b>15,760</b>
USSR	303	553	832	2,284	4,617	5,031	5,326	5,357	5,691	6,890
Eastern Europe	317	415	726	1,813	3,200	3,300	3,655	3,500	3,466	4,429
Developed countries	237	383	678	1,966	3,707	3,235	2,945	2,839	3,155	3,631
Less developed countries	58	113	177	498	845	909	1,111	972	577	615
<b>Poland</b>	<b>1,495</b>	<b>2,340</b>	<b>3,608</b>	<b>12,752</b>	<b>19,702</b>	<b>14,610</b>	<b>15,753</b>	<b>16,542</b>	<b>17,419</b>	<b>21,161</b>
USSR	465	728	1,361	3,294	6,698	6,659	7,066	7,554	7,847	9,800
Eastern Europe	400	706	1,000	2,354	3,963	3,626	4,266	4,373	4,505	5,212
Developed countries	447	583	938	6,199	6,699	3,167	3,056	3,136	3,495	3,693
Less developed countries	99	210	196	597	1,789	596	746	805	762	699
<b>Romania</b>	<b>648</b>	<b>1,077</b>	<b>1,960</b>	<b>5,418</b>	<b>12,818</b>	<b>9,745</b>	<b>9,643</b>	<b>10,334</b>	<b>10,432</b>	<b>10,600</b>
USSR	266	406	501	951	2,131	1,988	2,210	2,219	2,326	3,835
Eastern Europe	173	210	441	1,078	2,067	2,150	2,031	2,151	2,197	2,665
Developed countries	155	363	786	2,285	3,961	1,933	1,448	1,516	1,470	1,673
Less developed countries	20	55	117	732	4,012	2,671	2,773	2,707	2,675	1,370

<sup>a</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. Country totals include trade with centrally planned economy countries other than the USSR and Eastern Europe.

<sup>b</sup> Preliminary.

<sup>c</sup> East German figures were converted first into current-year rubles and then into current-year US dollars.

**Table 72**  
**East European Exports, by Commodity Group <sup>a</sup>**

Million US \$

	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>Bulgaria</b>	<b>2,004</b>	<b>4,807</b>	<b>10,489</b>	<b>11,505</b>	<b>12,222</b>	<b>12,535</b>	<b>12,780</b>	<b>14,489</b>
Machinery and equipment	581	1,956	4,657	5,392	5,915	5,979	6,837	7,752
Fuels, minerals, and metals	162	375	1,573	1,461	1,393	1,354	1,278	1,449
Agricultural and forestry products	870	1,620	2,559	2,635	2,664	2,795	2,352	2,666
Manufactured consumer goods	295	495	923	1,081	1,210	1,266	1,240	1,405
Other	96	361	777	932	1,040	1,141	1,074	1,217
<b>Czechoslovakia</b>	<b>3,792</b>	<b>8,158</b>	<b>15,255</b>	<b>16,180</b>	<b>17,123</b>	<b>17,408</b>	<b>17,810</b>	<b>21,898</b>
Machinery and equipment	1,911	3,916	7,673	8,608	9,383	9,801	10,152	12,482
Fuels, minerals, and metals	705	1,574	2,624	2,346	2,431	2,385	2,369	2,912
Agricultural and forestry products	277	587	1,312	1,181	1,147	1,149	1,122	1,380
Manufactured consumer goods	629	1,485	2,426	2,718	2,774	2,698	2,743	3,372
Other	270	596	1,220	1,327	1,388	1,375	1,425	1,752
<b>East Germany</b>	<b>4,647</b>	<b>10,680</b>	<b>18,862</b>	<b>22,203</b>	<b>24,291</b>	<b>24,552</b>	<b>23,889</b>	<b>27,862</b>
Machinery and equipment	2,402	5,415	9,676	10,768	11,611	11,515	11,132	12,984
Fuels, minerals, and metals	469	1,292	2,791	4,107	4,299	4,297	4,778	5,572
Agricultural and forestry products	344	972	1,207	1,532	1,919	2,038	1,839	2,145
Manufactured consumer goods	939	1,666	2,791	3,153	3,425	3,707	3,368	3,929
Other	493	1,335	2,397	2,643	3,037	2,995	2,771	3,232
<b>Hungary</b>	<b>2,317</b>	<b>5,694</b>	<b>11,644</b>	<b>12,424</b>	<b>13,199</b>	<b>13,278</b>	<b>13,438</b>	<b>15,366</b>
Machinery and equipment	755	2,107	4,495	4,013	4,078	4,076	4,663	5,332
Fuels, minerals, and metals	334	678	1,490	1,652	2,085	2,138	1,586	1,813
Agricultural and forestry products	619	1,435	3,190	3,429	3,524	3,439	3,333	3,381
Manufactured consumer goods	494	1,162	2,073	2,050	2,072	2,111	2,258	2,581
Other	115	312	1,396	1,280	1,440	1,514	1,599	1,829
<b>Poland</b>	<b>3,548</b>	<b>10,510</b>	<b>17,543</b>	<b>15,262</b>	<b>16,427</b>	<b>17,269</b>	<b>17,710</b>	<b>21,701</b>
Machinery and equipment	1,366	4,109	7,807	7,646	7,852	8,220	8,731	10,699
Fuels, minerals, and metals	848	3,058	4,473	3,754	4,501	4,507	4,126	5,056
Agricultural and forestry products	600	1,209	1,754	1,145	1,396	1,606	1,700	2,083
Manufactured consumer goods	571	1,534	2,684	2,167	1,938	2,090	2,302	2,821
Other	163	600	825	550	740	866	850	1,042
<b>Romania</b>	<b>1,851</b>	<b>5,420</b>	<b>11,209</b>	<b>11,559</b>	<b>11,512</b>	<b>12,646</b>	<b>12,167</b>	<b>12,500</b>
Machinery and equipment	422	1,371	2,791	3,814	3,649	4,249	4,222	4,338
Fuels, minerals, and metals	420	1,209	3,720	2,786	3,154	3,326	3,030	3,113
Agricultural and forestry products	496	1,225	1,962	1,618	1,427	1,467	1,448	1,488
Manufactured consumer goods	335	873	1,816	1,942	1,934	2,011	2,056	2,113
Other	178	742	920	1,399	1,348	1,593	1,411	1,450

<sup>a</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 70, footnote a). Values for 1986 were estimated using percentage shares for 1985.

<sup>b</sup> Preliminary.

**Table 73**  
**East European Imports, by Commodity Group <sup>a</sup>**

Million US \$

	1970	1975	1980	1982	1983	1984	1985	1986 <sup>b</sup>
<b>Bulgaria</b>	<b>1,831</b>	<b>5,528</b>	<b>9,776</b>	<b>11,611</b>	<b>12,374</b>	<b>12,349</b>	<b>13,087</b>	<b>15,296</b>
Machinery and equipment	743	2,289	3,461	3,936	4,232	4,211	4,345	5,078
Fuels, minerals, and metals	533	1,852	4,194	5,364	5,729	5,792	6,138	7,174
Agricultural and forestry products	291	702	948	952	1,064	1,037	1,243	1,453
Manufactured consumer goods	104	282	430	557	532	506	497	581
Other	160	403	743	802	817	803	864	1,010
<b>Czechoslovakia</b>	<b>3,695</b>	<b>8,874</b>	<b>15,523</b>	<b>16,005</b>	<b>17,039</b>	<b>17,350</b>	<b>17,894</b>	<b>21,966</b>
Machinery and equipment	1,234	3,204	5,681	5,298	5,657	6,003	6,156	7,556
Fuels, minerals, and metals	868	2,467	4,921	6,258	7,003	7,096	7,229	8,874
Agricultural and forestry products	890	1,544	2,499	2,273	2,062	2,065	2,165	2,658
Manufactured consumer goods	314	683	916	880	954	919	1,020	1,252
Other	389	976	1,506	1,296	1,363	1,267	1,324	1,625
<b>East Germany</b>	<b>4,923</b>	<b>11,947</b>	<b>20,790</b>	<b>20,624</b>	<b>21,975</b>	<b>21,926</b>	<b>22,155</b>	<b>27,618</b>
Machinery and equipment	1,684	3,680	6,403	6,545	6,570	5,701	5,938	7,402
Fuels, minerals, and metals	1,359	3,644	7,630	8,085	8,702	9,121	9,416	11,738
Agricultural and forestry products	1,383	2,700	3,929	3,303	3,911	3,881	3,567	4,446
Manufactured consumer goods	222	669	1,039	832	967	1,250	1,374	1,712
Other	275	1,254	1,789	1,859	1,825	1,973	1,861	2,320
<b>Hungary</b>	<b>2,505</b>	<b>6,795</b>	<b>12,613</b>	<b>12,866</b>	<b>13,367</b>	<b>12,939</b>	<b>12,934</b>	<b>15,760</b>
Machinery and equipment	774	2,188	3,872	3,924	3,810	3,506	3,699	4,507
Fuels, minerals, and metals	591	1,855	3,406	3,847	4,197	3,998	3,854	4,696
Agricultural and forestry products	611	1,291	2,346	1,917	2,112	2,070	1,966	2,396
Manufactured consumer goods	193	482	971	1,132	1,136	1,216	1,319	1,608
Other	336	979	2,018	2,046	2,112	2,149	2,095	2,553
<b>Poland</b>	<b>3,608</b>	<b>12,752</b>	<b>19,702</b>	<b>14,610</b>	<b>15,753</b>	<b>16,542</b>	<b>17,419</b>	<b>21,161</b>
Machinery and equipment	1,306	4,769	6,443	3,872	4,285	4,946	5,731	6,962
Fuels, minerals, and metals	960	3,826	6,127	5,552	6,459	6,435	6,532	7,935
Agricultural and forestry products	772	2,270	4,118	2,732	2,205	2,349	2,282	2,772
Manufactured consumer goods	231	676	1,261	1,154	1,528	1,538	1,603	1,947
Other	339	1,211	1,753	1,300	1,276	1,274	1,272	1,545
<b>Romania</b>	<b>1,960</b>	<b>5,418</b>	<b>12,818</b>	<b>9,745</b>	<b>9,643</b>	<b>10,334</b>	<b>10,432</b>	<b>10,600</b>
Machinery and equipment	790	1,880	3,153	2,592	2,391	2,552	2,785	2,830
Fuels, minerals, and metals	596	2,070	6,447	4,824	5,149	5,436	5,320	5,406
Agricultural and forestry products	306	845	1,884	1,179	1,013	1,116	1,148	1,166
Manufactured consumer goods	108	206	310	409	366	434	438	445
Other	160	417	1,124	741	724	796	741	753

<sup>a</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 71, footnote a). Values for 1986 were estimated using percentage shares for 1985.

<sup>b</sup> Preliminary.

**Table 74**  
**Chinese Foreign Trade <sup>a</sup>***Million US \$*

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	Eastern Europe	USSR	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries <sup>c</sup>
1965	Exports	<b>2,035</b>	650	95	225	330	1,385	575	810
	Imports	<b>1,680</b>	515	110	190	215	1,165	805	360
1970	Exports	<b>2,155</b>	480	255	20	205	1,675	660	1,015
	Imports	<b>2,045</b>	390	225	25	140	1,655	1,370	285
1975	Exports	<b>7,130</b>	1,375	630	150	595	5,755	2,610	3,145
	Imports	<b>6,830</b>	1,005	595	130	280	5,825	4,985	840
1980	Exports	<b>18,925</b>	1,885	1,130	230	525	17,040	8,270	8,770
	Imports	<b>19,305</b>	1,945	1,110	295	540	17,360	13,515	3,845
1981	Exports	<b>21,495</b>	1,240	745	130	365	20,255	10,045	10,210
	Imports	<b>17,940</b>	1,270	700	115	455	16,670	12,740	3,930
1982	Exports	<b>23,435</b>	1,210	660	145	405	22,230	10,225	12,005
	Imports	<b>16,690</b>	1,670	925	165	580	15,020	10,805	4,215
1983	Exports	<b>23,710</b>	1,365	670	310	385	22,345	9,940	12,215
	Imports	<b>18,485</b>	1,620	810	340	470	16,870	11,825	5,045
1984	Exports	<b>27,645</b>	1,615	590	625	400	26,030	11,880	14,150
	Imports	<b>25,490</b>	2,080	1,050	575	455	23,410	15,450	7,960
1985	Exports	<b>31,325</b>	2,175	805	995	375	29,150	13,550	15,600
	Imports	<b>39,480</b>	2,695	1,410	940	345	36,785	24,655	12,130

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

**Table 75**  
**Chinese Exports <sup>a</sup>**

Million US \$

	1970	1975	1980	1981	1982	1983	1984	1985
<b>Total</b>	<b>2,155</b>	<b>7,130</b>	<b>18,925</b>	<b>21,495</b>	<b>23,435</b>	<b>23,710</b>	<b>27,645</b>	<b>31,325</b>
Food and live animals	660	2,045	3,210	3,450	3,595	3,235	3,545	3,925
Live animals	70	215	340	380	395	330	350	330
Meat and meat preparations	105	240	385	375	500	430	530	510
Fish and fish preparations	70	190	400	425	385	330	355	405
Cereals and cereal preparations	150	615	485	510	495	290	355	780
Vegetables and fruit	170	435	935	1,050	1,040	1,005	980	985
Beverages and tobacco	20	80	120	120	140	155	135	135
Crude materials, excluding fuel	380	840	1,820	2,050	1,790	2,090	2,570	2,930
Oilseeds, oil nuts, and oil kernels	70	160	185	525	245	345	475	500
Textile fibers and wastes	105	245	545	500	550	730	975	1,165
Crude animal and vegetable materials	115	225	540	455	465	470	510	495
Mineral fuels, lubricants, and related materials	60	1,025	4,415	4,765	5,255	4,790	5,735	7,215
Petroleum and petroleum products	5	865	4,165	4,495	4,930	4,475	5,430	6,630
Animal and vegetable oils and fats	25	55	85	105	70	105	140	1,300
Chemicals	115	350	1,180	1,300	1,280	1,320	1,405	1,600
Chemical elements and compounds	25	100	480	550	565	545	595	685
Manufactured goods	590	1,650	4,410	5,140	5,005	4,935	5,880	6,205
Textile yarn, fabrics, made-up articles	390	1,035	2,765	3,080	2,920	3,155	4,075	4,380
Nonmetallic mineral manufactures	60	170	415	480	480	420	420	400
Manufactures of metal	40	110	390	520	565	630	650	570
Machinery and transport equipment	75	260	610	805	790	925	1,145	1,185
Miscellaneous manufactured goods	225	800	3,010	3,665	4,150	4,525	5,735	6,675
Clothing	100	355	1,665	2,095	2,435	2,740	3,375	3,765
Other	5	25	65	95	1,365	1,630	1,355	1,325

<sup>a</sup> Data are f.o.b. and rounded to the nearest \$5 million.



**Table 76**  
**Chinese Imports <sup>a</sup>**

Million US \$

	1970	1975	1980	1981	1982	1983	1984	1985
<b>Total</b>	<b>2,045</b>	<b>6,830</b>	<b>19,305</b>	<b>17,940</b>	<b>16,690</b>	<b>18,485</b>	<b>25,490</b>	<b>39,480</b>
Food and live animals	330	815	2,860	3,080	3,495	2,580	2,030	1,635
Cereal and cereal preparations	255	540	2,225	2,340	2,475	2,010	1,520	1,050
Sugar, sugar preparations, and honey	65	155	300	470	650	370	295	215
Crude materials, excluding fuels	235	730	3,325	3,175	2,520	2,375	2,735	3,330
Rubber, crude (including synthetic and reclaimed)	95	165	430	215	245	260	285	315
Textile fibers and their waste	95	395	2,065	2,280	1,470	1,100	1,225	1,575
Mineral fuels, lubricants, and related materials	40	130	175	175	175	175	215	500
Petroleum and petroleum products	10	40	30	55	30	45	55	310
Animal and vegetable fats and oils	5	40	180	105	95	60	75	100
Chemicals	310	815	2,185	2,025	2,110	2,195	3,315	3,655
Chemical elements and compounds	175	250	545	470	525	565	670	825
Fertilizers, manufactured	65	390	980	755	580	585	985	885
Manufactured goods	690	2,190	4,575	4,000	4,195	5,785	7,610	10,845
Textile yarn, fabrics, made-up articles, and products	40	90	845	1,575	1,160	1,120	1,530	2,100
Iron and steel	390	1,475	2,235	1,320	1,870	3,300	4,200	5,865
Nonferrous metals	200	395	420	165	430	745	905	1,315
Machinery and transport equipment	405	2,010	5,350	4,595	3,280	4,185	7,620	16,375
Machinery, other than electric	190	985	2,790	2,545	1,405	1,790	3,000	6,825
Electric machinery	30	190	1,070	1,345	820	1,190	2,425	4,715
Transport equipment	190	835	1,490	705	1,055	1,205	2,200	4,835
Miscellaneous manufactured goods	25	75	485	595	670	895	1,510	2,445
Other	NEGL	25	170	190	145	240 <sup>b</sup>	380 <sup>b</sup>	600 <sup>b</sup>

<sup>a</sup> Data are f.o.b. and rounded to the nearest \$5 million.<sup>b</sup> Including beverages and tobacco.

**Table 77**  
**Cuban Foreign Trade <sup>a</sup>**

Million US \$

		Total Trade	Communist Countries				Non-Communist Countries
			Total	USSR	Eastern Europe	Other <sup>b</sup>	
1965	Exports	691	529	323	103	103	162
	Imports	866	649	428	98	123	217
1970	Exports	1,050	778	529	150	99	272
	Imports	1,311	905	691	125	89	406
1975	Exports	3,572	2,401	2,011	279	111	1,171
	Imports	3,767	1,935	1,513	304	118	1,832
1979	Exports	4,829	3,967	3,271	511	185	862
	Imports	5,089	4,205	3,468	580	157	884
1980	Exports	5,593	3,922	3,177	569	176	1,671
	Imports	6,409	4,983	3,989	826	168	1,426
1981	Exports	5,406	4,063	3,018	730	315	1,343
	Imports	6,546	5,260	4,139	918	203	1,286
1982	Exports	5,928	5,008	3,956	666	386	920
	Imports	6,645	5,886	4,507	1,082	297	759
1983	Exports	6,416	5,521	4,494	746	281	895
	Imports	7,235	6,261	4,931	1,120	209	974
1984	Exports	6,174	5,530	4,451	826	253	644
	Imports	8,213	6,906	5,448	1,136	322	1,307
1985	Exports	6,503	5,786	4,868	722	196	717
	Imports	8,677	7,302	5,840	1,133	329	1,375
1986	Exports	6,290	5,700	4,850	670	180	590
	Imports	9,650	8,400	7,000	1,080	320	1,250

<sup>a</sup> Exports are on an f.o.b. basis; imports are on a c.i.f. basis. Cuban trade with non-Communist countries is based on hard currency world prices while its Communist country trade uses soft currency negotiated prices which are fre-

quently subsidized in Cuba's favor and do not reflect real market values. The result is a more favorable global trade balance than if Cuba conducted all of its trade at world market prices.

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

**Table 78**  
**Cuban Exports <sup>a</sup>**

Million US \$

	1965	1970	1975	1980	1982	1983	1984	1985	1986
<b>Total</b>	<b>691</b>	<b>1,050</b>	<b>3,572</b>	<b>5,593</b>	<b>5,928</b>	<b>6,416</b>	<b>6,174</b>	<b>6,503</b>	<b>6,290</b>
<b>Sugar</b>	591	806	3,209	4,677	4,560	4,730	4,663	4,851	4,750
Raw and refined	579	785	3,183	4,624	4,526	4,717	4,625	4,818	NA
Molasses	12	21	26	53	34	13	38	33	NA
<b>Minerals</b>	50	175	169	270	347	360	340	360	400
Nickel	40	173	164	260	339	352	329	321	NA
Other	10	2	5	10	8	8	11	39	NA
<b>Tobacco</b>	33	33	63	51	124	119	64	100	100
Raw	19	15	22	8	54	37	21	43	NA
Manufactured	14	18	41	43	70	82	43	57	NA
<b>Foodstuffs <sup>b</sup></b>	5	29	131	255	312	372	280	384	400
Fish and shellfish	3	19	63	124	117	122	104	128	150
Citrus	1	3	14	58	118	137	134	156	150
<b>Other <sup>c</sup></b>	12	7	NEGL	340	585	835	827	808	640

<sup>a</sup> Exports are f.o.b.<sup>c</sup> Includes reexports of petroleum imports.<sup>b</sup> Excluding sugar and sugar products.**Table 79**  
**Cuban Imports <sup>a</sup>**

Million US \$

	1965	1970	1975	1980	1982	1983	1984	1985	1986
<b>Total</b>	<b>866</b>	<b>1,311</b>	<b>3,767</b>	<b>6,409</b>	<b>6,645</b>	<b>7,235</b>	<b>8,213</b>	<b>8,677</b>	<b>9,650</b>
Food and live animals, beverage, tobacco, oil, fats	205	263	718	1,093	1,001	914	935	949	NA
Crude materials, except fuels	25	61	145	278	258	229	307	336	NA
Mineral fuels, lubricants	85	114	377	1,311	1,807	2,160	2,522	2,881	NA
Chemicals	46	77	212	426	361	483	502	479	NA
Manufactures	153	130	464	884	913	867	1,100	1,090	NA
Basic manufactured machinery and transport equipment	133	368	911	2,253	2,097	2,213	2,501	2,621	NA
Miscellaneous manufactured articles	NEGL	NEGL	1	164	208	262	248	223	NA
<b>Other <sup>b</sup></b>	219	298	939	0	0	107	98	98	NA

<sup>a</sup> Imports are c.i.f.<sup>b</sup> Some of the imports reported in the other category through 1978 probably could be included in "manufactures" or"basic manufactured machinery and transport equipment".  
Sources: *Anuario Estadístico de Cuba* (various issues), various National Bank of Cuba publications.

**Table 80**  
**Communist Economic Aid to Less Developed Countries,**  
**Extensions and Drawings <sup>a</sup>**

Million US \$

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
<b>Total</b>	<b>62,055</b>	<b>30,955</b>	<b>37,685</b>	<b>17,670</b>	<b>17,015</b>	<b>8,005</b>	<b>7,355</b>	<b>5,280</b>
1954-76	25,290	11,640	13,390	6,835	7,360	2,590	4,540	2,215
1977	1,205	1,340	435	555	550	505	220	280
1978	4,870	1,250	3,000	520	1,620	430	250	305
1979	4,625	1,175	3,800	620	645	310	175	245
1980	4,470	1,560	2,620	955	1,330	330	520	275
1981	1,825	1,750	845	925	895	510	85	310
1982	2,085	2,410	1,420	1,350	625	690	35	375
1983	3,925	2,740	3,185	1,645	410	720	330	375
1984	5,930	2,535	3,120	1,510	2,070	725	735	300
1985	3,870	2,320	2,905	1,450	720	575	245	300
1986	3,955	2,225	2,960	1,305	780	625	215	300

<sup>a</sup> Data rounded to the nearest \$5 million.

**Table 81**  
**Communist Arms Transfers to Less Developed Countries,**  
**Agreements and Deliveries <sup>a</sup>**

Million US \$

	Total Deliveries	USSR Deliveries	Eastern Europe		China	
			Agreements	Deliveries	Agreements	Deliveries
<b>Total</b>	<b>191,695</b>	<b>165,275</b>	<b>18,810</b>	<b>16,020</b>	<b>13,560</b>	<b>10,400</b>
1954-76	34,330	29,400	3,000	2,075	2,995	2,855
1977	7,465	7,000	650	355	110	110
1978	9,215	8,500	560	550	235	165
1979	15,285	14,500	750	645	215	140
1980	14,875	13,900	905	690	445	285
1981	16,000	14,200	2,665	1,390	3,015	410
1982	19,280	15,950	1,960	2,135	1,840	1,195
1983	19,680	16,585	1,655	1,535	830	1,560
1984	20,295	16,005	1,700	2,255	335	2,035
1985	16,865	13,670	2,940	2,615	830	580
1986	18,405	15,565	2,025	1,775	2,710	1,065

<sup>a</sup> Data rounded to the nearest \$5 million. Data for the Less Developed Countries includes Cuba.

**Table 82**  
**Soviet Economic Aid Extended to Less Developed**  
**Countries, by Recipient**

Million US \$

	1954-86	1985	1986		1954-86	1985	1986
<b>Total</b>	<b>37,683</b>	<b>2,903</b>	<b>2,962</b>	Zambia	30	...	...
Africa	9,548	583	108	Other	306	12	6
Algeria	1,937	340	...	East Asia	261	...	...
Angola	946	25	7	Indonesia	214	...	...
Burkina	6	NEGL	NEGL	Other	47	...	...
Cameroon	8	...	...	Latin America	3,461	296	613
Central African Republic	3	...	...	Argentina	390	...	...
Congo	74	...	...	Bolivia	204	NEGL	1
Equatorial Guinea	4	NEGL	...	Brazil	708	...	300
Ethiopia	1,298	NEGL	...	Nicaragua	1,268	296	312
Ghana	110	NEGL	...	Other	891	...	1
Guinea	406	7	...	Middle East and South Asia	24,412	2,024	2,241
Madagascar	270	93	69	Afghanistan	3,451	325	100
Mauritania	34	16	...	Bangladesh	515	82	NA
Morocco	2,098	...	...	Egypt	1,439	...	...
Mozambique	337	90	26	India	6,548	1,200	2,126
Nigeria	1,207	...	NA	Iran	1,164	...	...
Senegal	8	...	NEGL	Iraq	2,726	...	...
Sierra Leone	35	NEGL	...	North Yemen	197	...	...
Somalia	164	...	...	Pakistan	1,210	...	...
Sudan	65	...	...	Sri Lanka	100	...	...
Tanzania	44	NA	...	Syria	1,916	...	...
Tunisia	123	...	...	Turkey	3,399	...	...
Uganda	35	NEGL	...	Other	1,747	418	15

**Table 83**  
**East European Economic Aid Extended to the**  
**Less Developed Countries, by Recipient**

Million US \$

	1954-86	1985	1986		1954-86	1985	1986
<b>Total</b>	<b>17,016</b>	<b>722</b>	<b>779</b>	<b>Brazil</b>	<b>781</b>	...	...
<b>Africa</b>	<b>4,806</b>	<b>448</b>	<b>554</b>	<b>Ecuador</b>	<b>27</b>	<b>8</b>	...
Algeria	974	...	200	<b>Nicaragua</b>	<b>588</b>	<b>94</b>	<b>14</b>
Ethiopia	561	73	50	<b>Peru</b>	<b>265</b>	<b>12</b>	...
Ghana	149	NA	...	<b>Uruguay</b>	<b>31</b>	...	...
Guinea	130	...	...	<b>Venezuela</b>	<b>10</b>	...	...
Morocco	234	...	20	<b>Other</b>	<b>776</b>	...	<b>11</b>
Nigeria	741	170	67	<b>Middle East and South Asia</b>	<b>8,536</b>	<b>160</b>	<b>193</b>
Somalia	41	...	NEGL	<b>Afghanistan</b>	<b>214</b>	<b>NEGL</b>	<b>4</b>
Sudan	386	...	117	<b>Bangladesh</b>	<b>688</b>	...	<b>2</b>
Tanzania	87	...	...	<b>Egypt</b>	<b>1,828</b>	...	<b>100</b>
Tunisia	284	...	...	<b>India</b>	<b>432</b>	...	...
Zambia	166	...	...	<b>Iran</b>	<b>686</b>	...	...
Other	1,052	205	100	<b>Iraq</b>	<b>493</b>	...	...
<b>East Asia</b>	<b>688</b>	...	<b>6</b>	<b>Lebanon</b>	<b>9</b>	...	...
Burma	213	...	...	<b>North Yemen</b>	<b>38</b>	<b>NA</b>	...
Indonesia	367	...	...	<b>Pakistan</b>	<b>729</b>	...	<b>58</b>
Philippines	80	...	6	<b>South Yemen</b>	<b>169</b>	...	...
Other	28	...	6	<b>Sri Lanka</b>	<b>93</b>	...	...
<b>Latin America</b>	<b>2,986</b>	<b>114</b>	<b>25</b>	<b>Syria</b>	<b>1,759</b>	...	<b>15</b>
Argentina	298	...	...	<b>Turkey</b>	<b>1,388</b>	<b>160</b>	<b>15</b>
Bolivia	99	...	NEGL	<b>Other</b>	<b>10</b>	...	...
Colombia	111	...	...				

**Table 84**  
**Chinese Economic Aid Extended to the**  
**Less Developed Countries, by Recipient**

Million US \$

	1956-86	1985	1986		1956-86	1985	1986
Total	<b>7,355</b>	<b>243</b>	<b>215</b>	Uganda	42	...	...
Africa	<b>4,287</b>	<b>166</b>	<b>193</b>	Zaire	188	...	50
Algeria	92	...	...	Zambia	351	...	6
Benin	56	...	NEGL	Other	512	23	31
Burkina	61	1	NEGL	East Asia	<b>464</b>	<b>12</b>	...
Burundi	125	10	54	Burma	241	1	...
Cameroon	106	2	NA	Indonesia	47	...	...
Central African Republic	29	...	...	Philippines	31	...	...
Chad	68	NEGL	...	Other	145	11	...
Congo	199	...	...	Latin America	<b>289</b>	<b>52</b>	<b>9</b>
Ethiopia	143	3	1	Guyana	38	...	...
Ghana	58	...	NEGL	Nicaragua	22	20	3
Guinea	144	11	...	Peru	42	...	...
Kenya	77	13	...	Other	187	32	6
Madagascar	144	50	5	Middle East and South Asia	<b>2,269</b>	<b>14</b>	<b>12</b>
Mali	143	1	9	Afghanistan	76	...	...
Mauritania	189	1	NEGL	Bangladesh	124	4	...
Mauritius	47	12	...	Egypt	193	...	...
Mozambique	89	4	...	Iraq	45	...	...
Niger	58	1	...	Nepal	313	10	11
Rwanda	56	...	...	North Yemen	130	...	...
Senegal	53	NEGL	...	Pakistan	960	...	1
Sierra Leone	94	1	15	South Yemen	96	...	...
Somalia	220	...	17	Sri Lanka	222	...	...
Sudan	208	32	...	Syria	70	...	...
Tanzania	592	1	5	Other	40	...	...
Togo	46	...	...	Europe	<b>45</b>	...	...
Tunisia	97	...	...	Malta	45	...	...

**Table 85**  
**Soviet Economic Aid Extended to Communist Countries <sup>a</sup>**

Million US \$

	1954-85	1980	1981	1982	1983	1984	1985
Total	<b>128,765</b>	<b>17,995</b>	<b>20,755</b>	<b>15,680</b>	<b>10,025</b>	<b>8,800</b>	<b>7,805</b>
Eastern Europe	<b>68,465</b>	<b>12,500</b>	<b>14,100</b>	<b>9,000</b>	<b>3,800</b>	<b>2,300</b>	<b>1,100</b>
East Asia	<b>10,780</b>	<b>1,195</b>	<b>1,265</b>	<b>1,130</b>	<b>1,080</b>	<b>1,095</b>	<b>1,275</b>
North Korea	1,450	260	145	130	40	55	95
Vietnam	9,330	935	1,120	1,000	1,040	1,040	1,180
Other	<b>49,520</b>	<b>4,300</b>	<b>5,390</b>	<b>5,550</b>	<b>5,145</b>	<b>5,405</b>	<b>5,430</b>
Cuba	38,440	3,465	4,560	4,665	4,260	4,620	4,545
Mongolia	11,085	835	830	885	885	785	885

<sup>a</sup> Data are rounded to the nearest \$5 million.**Table 86**  
**USSR: Economic Assistance to Cuba <sup>a</sup>**

Million US \$

	1961-85	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	<b>42,155</b>	<b>1,065</b>	<b>2,945</b>	<b>3,180</b>	<b>3,465</b>	<b>4,560</b>	<b>4,665</b>	<b>4,260</b>	<b>4,620</b>	<b>4,545</b>
Development aid <sup>b</sup>	11,450	150	320	460	830	1,415	975	1,070	1,000	895
Trade subsidies	30,705	915	2,625	2,720	2,635	3,145	3,690	3,190	3,620	3,650
Sugar <sup>c</sup>	23,570	575	2,425	2,325	1,165	1,365	2,580	2,740	3,420	3,550
Petroleum <sup>d</sup>	6,690	310	165	380	1,480	1,655	1,005	345	100	0
Nickel <sup>c</sup>	445	30	35	15	-10	120	105	105	100	100

<sup>a</sup> Based on official Cuban and Soviet trade data. Data rounded to the nearest \$5 million.<sup>b</sup> Based on (a) estimated balance-of-payments aid necessary to cover Cuban trade deficits with the USSR; (b) Cuban purchases of capital goods from Moscow; and (c) public statements by Cuban and Soviet officials concerning the amount of development aid extended. This aid is repayable, but terms are highly concessional.<sup>c</sup> Sugar and nickel subsidies are estimated as the difference between the price Moscow pays for these commodities and their world market value. The difference is considered a grant and not subject to repayment.<sup>d</sup> The petroleum subsidy reflects the difference between the value of petroleum purchased from the USSR and the value of these imports at world market prices. It is considered a grant and not subject to repayment.



**Table 87**  
**Arms Transfers to Non-Communist Less Developed Countries,**  
**by Selected Western Supplier, 1974-84**

Million US \$

	France	Italy	United Kingdom	West Germany
<b>Total</b>	<b>18,525</b>	<b>5,090</b>	<b>8,350</b>	<b>5,790</b>
<b>Africa</b>	<b>3,200</b>	<b>1,500</b>	<b>900</b>	<b>1,500</b>
Algeria	50	150	150	300
Libya	800	675	15	400
Morocco	1,050	50	0	5
Nigeria	275	220	375	310
Sudan	30	10	20	270
Tunisia	130	70	5	20
<b>East Asia</b>	<b>375</b>	<b>320</b>	<b>350</b>	<b>300</b>
China (Taiwan)	5	0	0	0
Indonesia	200	5	150	160
South Korea	15	5	10	30
Thailand	10	230	65	5
<b>Latin America</b>	<b>1,750</b>	<b>1,400</b>	<b>550</b>	<b>1,750</b>
Argentina	335	180	150	1,360
Brazil	80	120	240	0
Chile	600	0	25	140
Ecuador	430	270	45	0
Peru	250	140	0	240
Venezuela	5	600	10	0
<b>Middle East</b>	<b>12,600</b>	<b>1,750</b>	<b>5,600</b>	<b>2,000</b>
Egypt	1,300	375	580	210
Iran	50	450	60	50
Iraq	5,400	530	300	750
Israel	0	0	0	0
Jordan	1,000	0	1,200	5
Kuwait	100	110	50	220
Oman	40	10	630	70
Qatar	650	0	310	0
Saudi Arabia	3,500	225	2,000	525
Syria	200	0	180	40
United Arab Emirates	340	30	250	110
<b>South Asia</b>	<b>600</b>	<b>120</b>	<b>950</b>	<b>240</b>
India	80	80	925	40
Pakistan	500	40	10	190

**Table 88**  
**Gross Official Bilateral Capital**  
**Flows to the Less Developed Countries <sup>a</sup>**

Million US \$

	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>Total</b>	<b>32,210</b>	<b>41,779</b>	<b>44,196</b>	<b>54,370</b>	<b>51,221</b>	<b>53,150</b>	<b>51,351</b>	<b>51,508</b>	<b>45,977</b>
Development Assistance Committee <sup>b</sup>	<b>24,803</b>	<b>32,399</b>	<b>35,369</b>	<b>43,221</b>	<b>40,946</b>	<b>44,849</b>	<b>43,135</b>	<b>44,428</b>	<b>40,127</b>
United States	7,079	8,632	8,023	10,953	9,530	12,510	11,419	12,602	12,718
France	3,243	4,088	4,866	6,037	5,727	5,425	5,191	6,010	5,618
West Germany	2,729	3,654	5,090	6,183	5,011	4,750	4,833	4,771	5,082
United Kingdom	1,396	1,925	2,780	2,739	3,246	2,659	2,204	2,059	2,116
Japan	4,266	6,255	5,792	7,026	8,337	9,177	9,627	8,350	6,994
Other developed countries <sup>c</sup>	6,090	7,845	8,818	10,283	9,095	10,328	9,861	10,636	7,599
OPEC <sup>d</sup>	<b>6,067</b>	<b>8,130</b>	<b>7,652</b>	<b>9,589</b>	<b>8,525</b>	<b>5,891</b>	<b>5,476</b>	<b>4,545</b>	<b>3,530</b>
Communist countries <sup>e</sup>	<b>1,340</b>	<b>1,250</b>	<b>1,175</b>	<b>1,560</b>	<b>1,750</b>	<b>2,410</b>	<b>2,740</b>	<b>2,535</b>	<b>2,320</b>
USSR	555	520	620	955	925	1,350	1,645	1,510	1,450
Eastern Europe	505	425	310	330	510	690	720	725	575
China	280	305	245	275	310	375	375	300	300

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

<sup>c</sup> Including Australia, Austria, Belgium, Canada, Denmark, Finland, Italy, Norway, the Netherlands, New Zealand, Sweden, and Switzerland. Disbursements by all donors to China and Yugoslavia are excluded.

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

<sup>e</sup> Data rounded to the nearest \$5 million.

**Table 89**  
**Net Financial Flows to the Less Developed Countries <sup>a</sup>**

Billion US \$

Net Disbursements	1977	1978	1979	1980	1981	1982	1983	1984	1985
<b>Total</b>	<b>57.5</b>	<b>78.1</b>	<b>83.0</b>	<b>85.2</b>	<b>100.8</b>	<b>90.4</b>	<b>75.8</b>	<b>88.3</b>	<b>48.3</b>
Official flows	26.2	34.5	34.9	44.8	43.6	43.8	40.8	42.1	37.6
Bilateral	20.4	27.5	28.7	35.8	36.1	34.5	31.7	32.9	30.2
Industrial countries	13.3	18.4	19.5	23.5	24.7	25.9	23.4	25.7	25.4
OPEC <sup>b</sup>	5.9	7.8	7.4	9.7	8.4	5.8	5.4	4.5	3.5
Communist countries <sup>c</sup>	1.2	1.3	1.8	2.6	3.0	2.8	2.9	2.7	1.3
Multilateral	5.8	7.0	6.2	9.0	7.5	9.3	9.1	9.2	7.4
Private flows	31.3	43.6	48.1	40.4	57.2	46.6	35.0	46.2	10.7

<sup>a</sup> Net disbursements. Official flows consist of Official Development Assistance (ODA) and Other Official Flows (OOF). Private flows consist of direct investment, private export credits, and portfolio investment.

<sup>b</sup> Gross flows of ODA, other official flows are not available.

<sup>c</sup> Members of the Council for Mutual Economic Cooperation (CEMA).

Million US \$

**Table 90**  
**US Economic Loans and Grants Extended**  
**to the Less Developed Countries <sup>a</sup>**

	1946-86 <sup>b</sup>	1975 <sup>c</sup>	1980 <sup>c</sup>	1982 <sup>c</sup>	1983 <sup>c</sup>	1984 <sup>c</sup>	1985 <sup>c</sup>	1986 <sup>c</sup>
<b>Total</b>	<b>165,169</b>	<b>4,548</b>	<b>7,570</b>	<b>8,040</b>	<b>8,564</b>	<b>9,007</b>	<b>12,311</b>	<b>10,036</b>
<b>Africa</b>	<b>15,000</b>	<b>335</b>	<b>800</b>	<b>954</b>	<b>971</b>	<b>1,165</b>	<b>1,591</b>	<b>1,202</b>
Ethiopia	573	24	15	2	3	10	87	78
Ghana	506	8	28	17	7	20	25	24
Liberia	689	16	24	66	63	66	69	59
Morocco	1,489	24	27	63	54	84	106	85
Mozambique	172	...	19	1	10	18	39	32
Somalia	620	5	...	56	70	82	83	69
Tanzania	351	40	25	20	8	6	9	3
Tunisia	1,053	13	29	17	19	18	30	39
Zaire	948	5	26	24	30	46	61	72
Other	8,599	200	607	688	707	815	1,082	741
<b>East Asia</b>	<b>25,703</b>	<b>494</b>	<b>407</b>	<b>277</b>	<b>286</b>	<b>308</b>	<b>426</b>	<b>618</b>
Burma	199	...	7	14	19	15	20	16
Indonesia	3,428	90	196	91	111	116	114	102
Philippines	3,053	68	83	107	103	106	240	399
South Korea	6,063	37	31	...	...	...	...	...
Thailand	952	7	30	36	29	42	42	38
Other	12,008	292	60	29	24	29	10	63
<b>Latin America</b>	<b>19,510</b>	<b>520</b>	<b>498</b>	<b>840</b>	<b>1,161</b>	<b>1,217</b>	<b>1,892</b>	<b>1,490</b>
Bolivia	1,048	26	30	20	63	78	51	75
Brazil	2,447	15	2	1	NEGL	...	1	1
Chile	1,198	96	10	7	3	2	1	1
Colombia	1,406	28	23	3	4	8	11	12
Costa Rica	1,099	4	16	52	214	170	220	163
Dominican Republic	1,216	12	56	82	63	98	171	102
Ecuador	501	8	12	23	27	29	52	60
El Salvador	1,778	4	58	182	246	216	434	323
Guatemala	751	14	13	16	30	20	107	117

**Table 90 (continued)**  
**US Economic Loans and Grants Extended**  
**to the Less Developed Countries <sup>a</sup>**

Million US \$

	1946-86 <sup>b</sup>	1975 <sup>c</sup>	1980 <sup>c</sup>	1982 <sup>c</sup>	1983 <sup>c</sup>	1984 <sup>c</sup>	1985 <sup>c</sup>	1986 <sup>c</sup>
Mexico	385	NEGL	7	9	8	8	11	12
Panama	570	21	2	13	7	12	74	33
Peru	1,195	16	53	55	94	165	79	58
Other	5,916	276	216	377	402	411	680	533
<b>Middle East and South Asia</b>	<b>58,702</b>	<b>1,786</b>	<b>2,802</b>	<b>2,958</b>	<b>2,987</b>	<b>3,093</b>	<b>4,470</b>	<b>4,331</b>
Afghanistan	550	21	...	...	...	...	3	9
Bangladesh	2,205	304	157	172	172	193	205	185
Egypt	13,082	370	1,166	1,065	1,005	1,104	1,292	1,293
India	11,415	249	222	222	210	213	191	197
Israel	12,700	353	786	806	785	910	1,950	1,898
Jordan	1,683	99	73	15	20	20	100	95
Pakistan	6,552	181	59	200	279	307	339	356
Sri Lanka	926	38	60	71	80	76	67	66
Turkey	4,217	4	198	301	286	140	176	120
Other	5,372	167	81	106	150	130	147	112
<b>Europe and Oceania</b>	<b>2,406</b>	<b>95</b>	<b>94</b>	<b>48</b>	<b>39</b>	<b>59</b>	<b>106</b>	<b>92</b>
Spain	1,120	3	7	22	12	12	12	...
Other	1,286	92	87	26	27	47	94	92
<b>Interregional</b>	<b>43,848</b>	<b>1,318</b>	<b>2,969</b>	<b>2,963</b>	<b>3,120</b>	<b>3,165</b>	<b>3,826</b>	<b>2,303</b>

<sup>a</sup> Data are for fiscal years and are for official development assistance, which is concessional.

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

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

**Table 91**  
**US Military Deliveries to the Less Developed Countries <sup>a</sup>**

*Million US \$*

	1975-86	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Total</b>	<b>85,582</b>	<b>7,324</b>	<b>7,546</b>	<b>7,563</b>	<b>5,973</b>	<b>6,965</b>	<b>8,579</b>	<b>10,715</b>	<b>7,778</b>	<b>7,156</b>	<b>6,161</b>
North Africa and the Middle East	63,257	5,609	6,121	6,203	4,324	5,052	6,500	8,685	5,612	4,879	3,830
Egypt	4,460	12	57	193	209	207	1,066	1,037	348	669	661
Iran	10,182	2,555	2,065	2,519	7	0	0	0	0	2	0
Israel	9,719	1,091	948	515	853	1,308	1,122	459	495	717	423
Jordan	1,943	112	178	126	277	221	193	344	100	151	71
Kuwait	979	157	191	74	79	67	92	78	66	48	92
Lebanon	576	NEGL	10	11	17	14	39	191	221	53	13
Morocco	818	55	99	142	69	128	64	67	77	55	39
North Yemen	324	22	27	70	72	49	40	17	10	12	3
Oman	108	1	1	1	8	18	34	26	8	5	3
Saudi Arabia	32,597	1,594	2,535	2,500	2,640	3,005	3,782	6,092	3,681	2,992	2,407
Tunisia	466	6	2	45	11	24	16	26	140	161	30
Other	1,085	4	8	7	82	10	52	348	466	14	88
Sub-Saharan Africa	1,045	99	111	38	53	72	160	96	122	83	122
Cameroon	42	8	3	NEGL	3	1	3	4	12	NEGL	7
Kenya	163	1	47	8	4	28	25	21	6	8	14
Liberia	43	NEGL	0	2	1	1	1	10	7	10	10
Nigeria	110	4	10	9	11	11	13	7	10	3	2
Somalia	94	0	0	0	0	0	14	21	23	21	15
Sudan	313	0	32	8	22	23	94	14	44	22	54
Zaire	89	9	12	7	10	7	7	8	5	11	8
Other	191	77	7	4	2	1	3	11	15	8	12

**Table 91 (continued)**  
**US Military Deliveries to the Less Developed Countries <sup>a</sup>***Million US \$*

	1975-86	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<b>Latin America</b>	<b>2,751</b>	<b>211</b>	<b>125</b>	<b>122</b>	<b>139</b>	<b>101</b>	<b>239</b>	<b>233</b>	<b>331</b>	<b>493</b>	<b>394</b>
Argentina	151	13	24	36	12	11	10	7	4	5	7
Brazil	319	14	12	16	15	15	14	29	21	15	32
Chile	148	57	11	15	10	0	0	0	0	1	1
Colombia	104	8	4	8	5	12	21	12	14	9	7
Ecuador	140	10	24	9	11	8	13	31	10	5	11
El Salvador	433	NEGL	1	NEGL	2	13	59	47	85	117	108
Mexico	157	6	3	2	4	5	76	31	4	10	13
Peru	164	31	18	16	15	10	11	9	4	4	5
Venezuela	734	52	10	14	20	22	30	43	146	257	85
Other	401	20	18	6	45	5	5	24	43	70	125
<b>Asia</b>	<b>16,406</b>	<b>1,200</b>	<b>1,068</b>	<b>1,082</b>	<b>1,329</b>	<b>1,504</b>	<b>1,390</b>	<b>1,525</b>	<b>1,540</b>	<b>1,464</b>	<b>1,585</b>
India	115	10	11	11	9	5	6	6	19	11	14
Indonesia	501	37	22	30	117	77	29	41	26	44	22
Malaysia	439	44	66	22	24	58	29	51	40	25	29
Pakistan	1,801	44	53	63	57	89	151	261	518	379	156
Philippines	486	50	54	38	56	33	53	32	22	30	43
Singapore	696	22	14	91	29	75	44	105	49	45	187
South Korea	4,589	272	508	474	497	432	404	331	314	303	489
Taiwan	3,988	194	214	227	269	442	467	510	356	476	481
Thailand	1,725	54	113	98	248	271	171	183	190	144	132
Other	2,066	473	13	28	23	22	36	5	6	7	32
<b>Europe</b>	<b>2,123</b>	<b>205</b>	<b>121</b>	<b>118</b>	<b>128</b>	<b>236</b>	<b>290</b>	<b>176</b>	<b>173</b>	<b>237</b>	<b>230</b>
Portugal	430	4	25	11	20	24	88	33	70	111	40
Spain	1,693	201	96	107	108	212	202	143	103	126	190

<sup>a</sup> Fiscal years. Including deliveries under the following programs: (1) Military Assistance Program grants under the various Mutual Security Acts; (2) Foreign Military Sales, which consist of US-financed arms, US-guaranteed private arms credits, and US-approved commercial sales; and (3) Military assistance excess stocks, which involved surplus equipment that has been valued at 33 percent of the original acquisition value.

**Table 92**  
**Military Personnel From Non-Communist Less Developed Countries**  
**Trained in Communist Countries, 1955-86 <sup>a</sup>**

Number of persons

	Total	USSR	Eastern Europe	China		Total	USSR	Eastern Europe	China
Total	<b>97,040</b>	<b>77,885</b>	<b>15,390</b>	<b>3,765</b>	East Asia	<b>9,300</b>	<b>7,590</b>	<b>1,710</b>	...
Africa	<b>37,345</b>	<b>26,665</b>	<b>7,775</b>	<b>2,905</b>	Cambodia	30	30	...	...
North Africa	<b>14,055</b>	<b>9,130</b>	<b>4,910</b>	<b>15</b>	Indonesia	9,270	7,560	1,710	...
Algeria	3,780	2,995	770	15	Latin America	<b>2,920</b>	<b>1,840</b>	<b>1,080</b>	...
Libya	10,130	6,060	4,070	...	Nicaragua	2,005	925	1,080	...
Morocco	145	75	70	...	Peru	910	910	...	...
Sub-Saharan	<b>23,290</b>	<b>17,535</b>	<b>2,865</b>	<b>2,890</b>	Other	5	5	...	...
Angola	3,260	3,155	105	...	Middle East	<b>29,190</b>	<b>24,865</b>	<b>3,955</b>	<b>370</b>
Benin	120	120	NA	...	Egypt	6,390	5,665	675	50
Congo	1,665	755	495	415	Iran	875	315	530	30
Equatorial Guinea	200	200	...	...	Iraq	5,810	4,510	1,130	170
Ethiopia	3,280	2,560	720	NA	North Yemen	4,510	4,510	...	...
Ghana	395	220	175	...	South Yemen	1,785	1,595	90	100
Guinea	1,495	1,030	105	360	Syria	9,615	8,100	1,515	...
Mali	1,100	975	75	50	Other	205	170	15	20
Mozambique	580	400	130	50	South Asia	<b>18,285</b>	<b>16,925</b>	<b>870</b>	<b>490</b>
Nigeria	1,255	1,080	175	...	Afghanistan	12,425	11,725	700	...
Somalia	2,635	2,395	210	30	Bangladesh	485	445	...	40
Sudan	610	330	20	260	India	4,870	4,700	170	...
Tanzania	3,230	2,145	60	1,025	Pakistan	490	45	NA	445
Zambia	685	490	135	60	Sri Lanka	15	10	...	5
Other	2,780	1,680	460	640					

<sup>a</sup> Data refer to the minimum number of persons departing for training. Data rounded to nearest 5.



**Table 93**  
**Military Personnel From the Non-Communist Less Developed Countries**  
**Trained in Communist Countries, 1986 <sup>a</sup>**

Number of persons

	Total	USSR	Eastern Europe	China		Total	USSR	Eastern Europe	China
Total	<b>10,465</b>	<b>6,935</b>	<b>3,530</b>	...	Mozambique	1,000	NA	1,000	...
Africa	<b>5,930</b>	<b>3,335</b>	<b>2,595</b>	...	Nigeria	240	140	100	...
North Africa	<b>1,910</b>	<b>970</b>	<b>940</b>	...	East Asia	...	...	...	...
Algeria	110	100	10	...	Latin America	<b>1,200</b>	<b>400</b>	<b>800</b>	...
Libya	1,800	870	930	...	Nicaragua	1,200	400	800	...
Sub-Saharan Africa	<b>4,020</b>	<b>2,365</b>	<b>1,655</b>	...	Middle East	<b>6,001</b>	<b>500</b>	<b>100</b>	...
Angola	1,500	1,400	100	...	Iraq	300	200	100	...
Congo	405	220	185	...	North Yemen	200	200	...	...
Ethiopia	680	480	200	...	South Yemen	100	100	...	...
Ghana	75	5	70	...	South Asia	<b>2,735</b>	<b>2,700</b>	<b>35</b>	...
Guinea	55	55	...	...	Afghanistan	2,025	2,000	25	...
Guinea-Bissau	NA	NA	...	...	India	710	700	10	...
Mali	65	65	...	...					

<sup>a</sup> Data refer to the minimum number of persons departing for training.  
 Data rounded to the nearest five persons.

**Table 94**  
**Communist Economic and Military Technicians**  
**in Less Developed Countries, by Country, 1986 <sup>a</sup>**

Number of persons

	Economic		Military	
	USSR and Eastern Europe	China	USSR and Eastern Europe	China
<b>Total</b>	<b>122,745</b>	<b>46,820</b>	<b>20,795</b>	<b>375</b>
Africa	<b>78,830</b>	<b>8,380</b>	<b>7,960</b>	<b>220</b>
North Africa	<b>64,150</b>	<b>1,975</b>	<b>3,325</b>	...
Algeria	17,150	450	1,065	...
Libya	44,000	50	2,260	NA
Mauritania	50	400	...	...
Morocco	2,325	75	...	...
Tunisia	625	1,000 <sup>b</sup>	...	...
Other	...	...	...	...
Sub-Saharan	<b>14,680</b>	<b>6,405</b>	<b>4,635</b>	<b>220</b>
Angola	2,475	150	1,200	100
Congo	2,350	35	80	10
Ethiopia	...	...	1,700	...
Gabon	15	100	...	...
Ghana	70	60	...	...
Guinea	620	75	70	...
Guinea-Bissau	210	150	70	...
Kenya	95	125	...	...
Madagascar	170	625	55	...
Mali	505	250	60	5
Mozambique	1,400	150	950	...
Niger	25	125	...	...
Nigeria	4,880	100	50	...
Rwanda	10	600	...	NA
Sao Tome/Principe	150	15	150	...
Senegal	50	100	...	...
Sierra Leone	10	35	...	...
Somalia	...	1,000	...	20
Sudan	105	400	20	5
Tanzania	110	550	90	...

**Table 94 (continued)**  
**Communist Economic and Military Technicians**  
**in Less Developed Countries, by Country, 1986 <sup>a</sup>**

Number of persons

	Economic		Military	
	USSR and Eastern Europe	China	USSR and Eastern Europe	China
Zambia	315	100	100	...
Other	1,115	1,660	40	80
East Asia	<b>255</b>	<b>115</b>	<b>3,100</b>	...
Europe	<b>10</b>	<b>225</b>	...	...
Latin America	<b>1,465</b>	<b>200</b>	<b>400</b>	...
Bolivia	40	...	...	...
Brazil	120	...	...	...
Colombia	60	60	...	...
Nicaragua	695	...	300	...
Peru	90	10	100	...
Uruguay	10	...	...	...
Other	450	130	...	...
Middle East	<b>34,200</b>	<b>37,425</b>	<b>5,700</b>	<b>115</b>
Iran	1,500 <sup>b</sup>	...	100	...
Iraq	15,625	17,000	1,100	50
North Yemen	650	6,000	350	...
South Yemen	3,250	...	1,100	...
Syria	5,500	15	3,000	...
Other	7,675	14,410	50	65
South Asia	<b>7,985</b>	<b>475</b>	<b>3,635</b>	<b>40</b>
Afghanistan	5,225	...	3,025	...
Bangladesh	95	100	10	40
India	1,600	...	600	...
Nepal	15	225	...	...
Pakistan	955	100	...	...
Sri Lanka	90	50	...	...
Other	5	...	...	...

<sup>a</sup> Minimum estimates of number present for one month or more. Data rounded to the nearest five persons.

<sup>b</sup> Most of these technicians departed by the end of the year.

**Table 95**  
**Academic, Technical, and Military Trainees Departing**  
**From Less Developed Countries for Training in Communist Countries,**  
**by Area of Destination <sup>a</sup>**

*Number of persons*

	1979	1980	1982	1983	1984	1985	1986
<b>Total trainees</b>	<b>19,030</b>	<b>20,700</b>	<b>22,990</b>	<b>26,900</b>	<b>29,475</b>	<b>35,990</b>	<b>34,430</b>
USSR and Eastern Europe	18,965	20,610	22,760	26,495	29,065	35,465	34,155
China	65	90	230	405	410	525	275
<b>Academic trainees</b>	<b>13,865</b>	<b>13,530</b>	<b>12,825</b>	<b>14,995</b>	<b>16,820</b>	<b>19,355</b>	<b>16,555</b>
USSR and Eastern Europe	13,815	13,480	12,470	14,795	16,695	19,085	16,280
China	50	50	85	200	125	270	275
<b>Technical trainees</b>	<b>2,975</b>	<b>3,745</b>	<b>5,110</b>	<b>5,715</b>	<b>5,565</b>	<b>6,850</b>	<b>7,410</b>
USSR and Eastern Europe	2,975	3,745	5,035	5,665	5,540	6,850	7,410
China	...	...	75	50	25	...	...
<b>Military trainees</b>	<b>2,190</b>	<b>3,425</b>	<b>5,055</b>	<b>6,190</b>	<b>7,090</b>	<b>9,785</b>	<b>10,465</b>
USSR and Eastern Europe	2,175	3,385	4,985	6,035	6,830	9,530	10,465
China	15	40	70	155	260	255	...

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

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**Table 96**  
**Primary Energy Production <sup>a</sup>***Thousand barrels per day of oil equivalent*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>											
United States	21,143	30,819	31,071	30,154	32,162	32,567	32,187	30,847	33,035	32,740	32,111
Canada	1,750	3,709	4,942	4,678	5,258	4,840	4,821	5,028	5,467	5,840	5,762
Japan	1,017	1,028	774	874	1,076	1,178	1,237	1,266	1,297	1,488	1,534
Norway	158	298	405	589	1,297	1,424	1,467	1,646	1,761	1,813	1,889
European Community	<b>7,230</b>	<b>7,560</b>	<b>8,150</b>	<b>8,680</b>	<b>10,700</b>	<b>10,900</b>	<b>11,500</b>	<b>12,000</b>	<b>11,800</b>	<b>12,900</b>	<b>13,200</b>
France	1,082	1,026	860	899	983	1,129	1,347	1,520	1,726	1,830	1,955
Netherlands	216	648	1,349	1,702	1,754	1,713	1,363	1,342	1,379	1,489	1,383
United Kingdom	2,693	2,348	2,453	2,571	4,125	4,242	4,715	4,991	4,350	4,988	5,207
West Germany	2,503	2,495	2,400	2,357	2,484	2,523	2,595	2,510	2,590	2,781	2,656
<b>Other countries</b>											
Indonesia	428	873	1,364	1,359	1,920	1,933	1,693	1,820	2,079	1,892	1,942
Iran	1,126	3,920	6,267	5,802	3,564	1,819	2,446	2,717	2,459	2,533	2,208
Kuwait	1,766	3,138	3,171	2,225	2,773	1,830	925	1,192	1,245	1,166	1,641
Mexico	445	825	944	1,226	2,244	2,914	3,720	3,628	3,681	3,614	3,092
Saudi Arabia	1,405	3,929	7,763	7,312	10,046	10,469	7,100	5,538	5,091	3,865	5,587
Venezuela	2,940	3,945	3,717	2,690	2,784	2,538	2,310	2,215	2,253	2,063	2,048
<b>Communist countries</b>											
USSR and Eastern Europe	<b>13,100</b>	<b>22,400</b>	<b>25,100</b>	<b>27,700</b>	<b>32,600</b>	<b>33,200</b>	<b>34,700</b>	<b>35,600</b>	<b>36,800</b>	<b>37,800</b>	<b>39,000</b>
USSR	9,250	17,074	19,541	21,906	26,298	27,029	28,487	29,193	30,220	31,085	32,330
Eastern Europe	<b>3,870</b>	<b>5,280</b>	<b>5,550</b>	<b>5,840</b>	<b>6,300</b>	<b>6,180</b>	<b>6,230</b>	<b>6,370</b>	<b>6,540</b>	<b>6,680</b>	<b>6,700</b>
Bulgaria	109	151	133	143	172	181	206	214	215	212	227
Czechoslovakia	761	906	898	907	967	963	950	971	977	991	987
East Germany	1,027	1,172	1,105	1,126	1,202	1,213	1,277	1,301	1,372	1,475	1,471
Hungary	207	277	276	270	286	278	288	292	309	322	311
Poland	1,278	1,895	2,133	2,294	2,586	2,446	2,363	2,417	2,467	2,487	2,514
Romania	487	879	1,009	1,096	1,084	1,102	1,149	1,179	1,204	1,195	1,187
<b>Other</b>											
China	4,103	4,196	5,418	6,602	8,742	8,628	9,042	9,650	10,541	11,582	11,698
North Korea	120	365	435	455	635	725	770	800	820	830	860
Yugoslavia	202	330	362	402	496	532	572	604	659	644	658

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

**Table 97**  
**Primary Energy Consumption <sup>a</sup>**

*Thousand barrels per day of oil equivalent*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985
<b>OECD</b>	<b>37,800</b>	<b>63,000</b>	<b>71,900</b>	<b>68,900</b>	<b>78,500</b>	<b>76,200</b>	<b>71,700</b>	<b>72,000</b>	<b>74,600</b>	<b>75,900</b>
United States	20,628	31,810	35,372	33,817	38,401	37,125	34,566	34,602	35,952	36,117
Canada	1,960	3,067	3,575	3,755	4,437	4,498	4,274	4,266	4,478	4,672
Japan	1,931	5,746	7,113	6,909	7,695	7,524	7,075	7,154	7,621	7,655
Norway	186	361	408	411	496	489	483	515	534	535
European Community	<b>11,300</b>	<b>18,400</b>	<b>21,100</b>	<b>19,700</b>	<b>22,600</b>	<b>21,700</b>	<b>20,300</b>	<b>20,400</b>	<b>20,900</b>	<b>21,500</b>
Belgium <sup>b</sup>	588	939	1,080	975	1,086	1,034	921	904	941	968
France	1,840	3,103	3,701	3,426	3,980	3,964	3,728	3,777	3,871	3,991
Italy	1,058	2,383	2,787	2,660	2,995	2,939	2,792	2,774	2,834	2,873
Netherlands	487	1,171	1,496	1,412	1,592	1,506	1,282	1,318	1,374	1,418
Spain	433	872	1,137	1,238	1,483	1,468	1,444	1,480	1,506	1,529
United Kingdom	3,506	4,259	4,523	4,107	4,453	4,075	3,916	3,900	3,894	4,098
West Germany	2,960	4,809	5,397	4,880	5,787	5,548	5,100	5,103	5,294	5,427
<b>Communist countries</b>										
USSR and Eastern Europe	<b>12,300</b>	<b>20,800</b>	<b>23,900</b>	<b>26,000</b>	<b>30,400</b>	<b>31,100</b>	<b>31,900</b>	<b>32,600</b>	<b>33,900</b>	<b>35,500</b>
USSR	8,499	14,871	17,183	18,832	22,148	22,729	23,729	24,365	25,548	26,750
Eastern Europe	<b>3,790</b>	<b>5,950</b>	<b>6,670</b>	<b>7,120</b>	<b>8,300</b>	<b>8,380</b>	<b>8,210</b>	<b>8,240</b>	<b>8,350</b>	<b>8,720</b>
Bulgaria	131	391	476	527	651	668	690	697	709	715
Czechoslovakia	798	1,136	1,244	1,300	1,484	1,466	1,437	1,456	1,498	1,517
East Germany	1,166	1,491	1,554	1,586	1,801	1,827	1,793	1,800	1,848	1,978
Hungary	270	431	475	509	606	602	598	594	611	648
Poland	1,050	1,653	1,892	2,078	2,454	2,479	2,368	2,347	2,292	2,420
Romania	376	844	1,031	1,125	1,305	1,338	1,320	1,343	1,393	1,444
<b>Other</b>										
China	4,226	4,100	5,475	6,360	8,202	8,439	8,671	9,191	9,903	10,674
Yugoslavia	227	448	542	598	791	831	836	898	959	NA

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

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

**Table 98**  
**Primary Energy Production, by Type <sup>a</sup>**

*Thousand barrels per day of oil equivalent*

	1970				1980				1986			
	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear	Coal	Crude Oil	Natural Gas	Hydro/Nuclear
<b>OECD</b>												
United States	7,359	11,380	10,686	1,394	9,785	10,170	9,838	2,774	9,921	10,268	8,195	3,727
Canada	171	1,625	1,110	803	437	1,754	1,202	1,447	686	1,832	1,316	1,928
Japan	538	18	45	427	244	10	39	885	218	12	37	1,267
<b>European Community</b>												
France	523	68	118	317	284	51	129	665	205	68	73	1,609
Netherlands	59	43	544	2	0	35	1,657	21	0	95	1,267	21
United Kingdom	1,992	2	194	160	1,762	1,639	629	212	1,461	2,643	770	333
West Germany	1,999	152	224	120	1,789	93	327	314	1,629	79	266	682
<b>Other countries</b>												
Indonesia	2	855	10	6	5	1,596	319	13	20	1,290	617	15
Iran	7	3,870	35	8	10	1,672	122	15	10	1,944	239	15
Kuwait	0	3,050	88	0	0	1,759	71	0	0	1,570	71	0
Mexico	40	475	234	76	70	2,129	634	81	80	2,676	246	90
Saudi Arabia	0	3,890	39	0	0	10,272	197	0	0	5,426	161	0
Venezuela	1	3,753	170	21	0	2,225	239	74	0	1,646	327	75
<b>Communist countries</b>												
USSR	6,077	7,058	3,279	660	6,652	12,031	7,172	1,174	7,000	12,300	11,340	1,690
<b>Eastern Europe</b>												
Bulgaria	125	7	8	12	116	3	3	53	125	6	0	96
Czechoslovakia	861	4	17	23	905	2	9	51	885	2	10	90
East Germany	1,150	1	10	12	1,082	1	53	84	1,330	1	50	90
Hungary	182	39	56	1	140	41	99	1	120	40	113	38
Poland	1,790	8	84	11	2,364	7	104	18	2,390	4	100	20
Romania	125	281	460	13	178	241	639	57	210	227	690	60
<b>Other</b>												
China	3,350	602	71	172	5,932	2,113	254	329	8,365	2,620	243	470
North Korea	275	0	0	90	580	0	0	145	690	0	0	170
Yugoslavia	164	56	18	93	254	85	31	162	375	83	40	160

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



**Table 99**  
**Proved Reserves of Crude Oil, Natural Gas,**  
**and Coal, Yearend 1986 <sup>a</sup>**

	Crude Oil <sup>b</sup> (Billion barrels)	Natural Gas <sup>b</sup> (Trillion cubic feet)	Coal <sup>c</sup> (Million metric tons)		Crude Oil <sup>b</sup> (Billion barrels)	Natural Gas <sup>b</sup> (Trillion cubic feet)	Coal <sup>c</sup> (Million metric tons)
<b>OECD</b>				<b>Other countries (continued)</b>			
United States	35 <sup>d</sup>	185	102,000	Nigeria	16	47	100
Canada	7 <sup>d</sup>	100	4,900	Oman	4	8	0
Norway	10	103	NA	Qatar	3	152	0
<b>European Community</b>				Saudi Arabia	167	124	0
United Kingdom	9	33	14,000	South Africa	NEGL	NEGL	30,000
West Germany	NEGL	6	25,500	Syria	1	4	0
<b>Other countries</b>				United Arab Emirates	33	96	0
Algeria	9	106	NA	Venezuela	25	59	750
Brazil	2	3	900	<b>Communist countries</b>			
Ecuador	2	4	0	<b>USSR and Eastern Europe</b>			
Egypt	4	9	NEGL	USSR	50-80 <sup>e</sup>	1,200	173,800
India	4	18	16,650	<b>Eastern Europe</b>			
Indonesia	8	49	2,600	Poland	NEGL	5	37,000
Iran	49	450	200	Romania	1	9	400
Iraq	47	28	0	<b>Other</b>			
Kuwait	92	35	0	North Korea	0	0	10,000
Libya	21	21	0	Yugoslavia	NEGL	1	8,700
Mexico	55	77	1,000				

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

<sup>b</sup> Sources for Non-Communist countries: *Oil Energy Trends and Oil and Gas Journal*.

<sup>c</sup> Yearend 1984. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram) and include anthracite,

bituminous and subbituminous coal, and brown coal/lignite.  
<sup>d</sup> For comparability, US and Canadian crude oil reserves have been adjusted upward to include estimated NGL reserves.

<sup>e</sup> The Soviets do not publish reserve statistics on oil. Most recent published US and Western European estimates fall within this range.

**Table 100**  
**Crude Oil Production <sup>a</sup>***Thousand barrels per day*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>	<b>7,860</b>	<b>11,500</b>	<b>11,800</b>	<b>10,800</b>	<b>12,800</b>	<b>12,900</b>	<b>13,300</b>	<b>13,800</b>	<b>14,300</b>	<b>14,700</b>	<b>14,500</b>
United States	7,055	9,648	9,208	8,375	8,550	8,597	8,658	8,680	8,735	8,933	8,668
Canada	526	1,305	1,800	1,439	1,496	1,424	1,270	1,356	1,411	1,457	1,472
Norway	0	0	32	189	403	528	518	614	700	785	841
European Community	<b>221</b>	<b>267</b>	<b>225</b>	<b>232</b>	<b>1,780</b>	<b>1,840</b>	<b>2,360</b>	<b>2,620</b>	<b>2,870</b>	<b>2,920</b>	<b>2,920</b>
United Kingdom	3	2	2	2	1,568	1,619	2,094	2,299	2,535	2,533	2,508
<b>Other countries</b>											
Algeria	183	976	1,065	945	1,154	1,020	701	699	638	645	671
Indonesia	411	855	1,339	1,307	1,591	1,576	1,324	1,385	1,466	1,235	1,264
Iran	1,068	3,831	5,861	5,350	3,168	1,662	2,282	2,492	2,187	2,258	1,929
Iraq	1,004	1,563	2,018	2,262	3,477	2,514	972	922	1,203	1,437	1,725
Kuwait <sup>c</sup>	1,696	2,983	3,018	2,085	2,497	1,661	822	1,076	1,117	1,040	1,510
Libya	0	3,321	2,175	1,480	2,092	1,830	1,183	1,076	1,073	1,069	1,137
Mexico	271	420	465	705	1,461	1,936	2,746	2,666	2,746	2,733	2,431
Nigeria	17	1,090	2,054	1,783	2,302	2,058	1,298	1,241	1,393	1,464	1,461
Saudi Arabia <sup>c</sup>	1,315	3,789	7,600	7,075	9,535	9,903	6,486	5,062	4,649	3,468	5,101
United Arab Emirates	0	691	1,533	1,663	1,831	1,702	1,248	1,119	1,097	1,146	1,331
Venezuela	2,846	3,708	3,366	2,346	2,356	2,165	1,893	1,781	1,813	1,621	1,576
<b>Communist countries</b>											
USSR and Eastern Europe	<b>3,220</b>	<b>7,320</b>	<b>8,730</b>	<b>9,930</b>	<b>11,700</b>	<b>12,000</b>	<b>12,100</b>	<b>12,200</b>	<b>12,000</b>	<b>11,600</b>	<b>12,000</b>
USSR	2,943	6,976	8,370	9,570	11,405	11,700	11,830	11,864	11,728	11,350	11,754
Eastern Europe	<b>277</b>	<b>340</b>	<b>356</b>	<b>363</b>	<b>315</b>	<b>299</b>	<b>301</b>	<b>296</b>	<b>293</b>	<b>278</b>	<b>280</b>
Bulgaria	4	7	4	2	5	6	6	6	6	6	6
Czechoslovakia	3	4	3	3	2	2	2	2	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1	1
Hungary	24	39	40	40	41	41	41	40	40	40	40
Poland	4	8	8	11	7	7	5	4	4	4	4
Romania	241	281	300	306	259	242	246	243	240	225	227
<b>Other</b>											
Albania	15	30	34	37	NA	NA	NA	NA	NA	NA	NA
China	102	602	1,138	1,542	2,123	2,113	2,042	2,121	2,280	2,496	2,613
Cuba	1	3	3	5	5	5	11	15	15	17	17
Yugoslavia	18	57	68	74	83	85	87	83	83	83	83

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

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

<sup>c</sup> Including about one-half of Neutral Zone production.

**Table 101**  
**Crude Oil Refining Capacity,**  
**1 January 1987**

*Thousand barrels per day*

OECD	<b>36,602</b>	Indonesia	636	Trinidad and Tobago	300
United States	15,459	Iran	530	Virgin Islands	600
Australia	626	Iraq	318	Communist countries	
Canada	1,760	Kuwait	618	USSR and Eastern Europe	<b>13,469</b>
Japan	4,790	Libya	329	USSR	11,000
European Community	<b>12,267</b>	Nigeria	250	Eastern Europe	<b>2,469</b>
Belgium	648	Qatar	62	Bulgaria	300
France	1,834	Saudi Arabia	1,125	Czechoslovakia	455
Italy	2,679	Venezuela	1,225	East Germany	470
Netherlands	1,401	Other		Hungary	242
Spain	1,305	Argentina	670	Poland	385
United Kingdom	1,780	Bahamas	350	Romania	617
West Germany	1,720	Brazil	1,321	Other	
OPEC	<b>5,847</b>	Egypt	452	China	2,200
Abu Dhabi	185	India	991	Cuba	160
Algeria	465	Mexico	1,349	North Korea	42
Ecuador	88	Netherlands Antilles	320	Yugoslavia	483
Gabon	16	Singapore	961		

**Table 102**  
**Oil Consumption**

*Thousand barrels per day*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
United States	9,795	14,695	17,310	16,320	18,515	17,055	15,295	15,230	15,725	15,725	16,140
Japan	590	4,000	5,390	4,965	5,500	5,000	4,505	4,330	4,490	4,195	4,210
Canada	835	1,485	1,755	1,660	1,850	1,815	1,575	1,425	1,445	1,350	1,435
Western Europe	<b>4,010</b>	<b>12,400</b>	<b>14,700</b>	<b>13,000</b>	<b>14,200</b>	<b>13,300</b>	<b>11,800</b>	<b>11,500</b>	<b>11,400</b>	<b>11,300</b>	<b>11,700</b>
Belgium, Luxembourg, Netherlands	420	1,290	1,470	1,390	1,310	1,195	1,095	1,030	1,005	1,015	1,125
France	580	1,950	2,485	2,195	2,405	2,255	1,870	1,800	1,755	1,730	1,745
Italy	475	1,760	2,080	1,915	2,035	1,950	1,770	1,715	1,640	1,665	1,670
Spain <sup>a</sup>	120	540	760	890	1,050	1,060	1,000	1,000	825	810	805
United Kingdom	975	2,030	2,270	1,875	1,900	1,635	1,575	1,480	1,810	1,615	1,575
West Germany	660	2,570	2,985	2,565	2,905	2,605	2,230	2,205	2,205	2,240	2,375
Other	780	2,260	2,640	2,400	2,505	2,535	2,295	2,250	2,160	2,260	2,385

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

**Table 103**  
**Major Exporters of Oil <sup>a</sup>***Thousand barrels per day*

	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>Non-Communist countries <sup>b</sup></b>										
United Arab Emirates	777	1,522	1,661	1,818	1,697	1,104	1,001	973	1,010	1,200
Algeria	985	1,029	940	1,031	868	607	554	483	495	520
Indonesia	725	1,167	1,095	1,270	1,197	868	910	949	740	800
Iran	3,519	5,424	4,886	2,580	952	1,644	1,920	1,576	1,700	1,500
Iraq	1,499	1,933	2,096	3,309	2,494	743	676	943	1,220	1,425
Kuwait <sup>c</sup>	2,831	2,847	1,991	2,372	1,551	669	907	955	930	1,380
Libya	3,313	2,210	1,478	2,051	1,776	1,050	958	947	1,040	1,015
Mexico	0	0	95	533	828	1,492	1,537	1,600	1,573	1,290
Nigeria	1,055	1,993	1,719	2,234	2,034	1,088	1,024	1,162	1,290	1,230
Saudi Arabia <sup>c</sup>	3,564	7,346	6,789	9,051	9,309	5,642	4,218	3,760	2,550	4,180
Venezuela	3,470	3,150	2,086	2,094	1,837	1,553	1,357	1,362	1,160	1,535
<b>Communist countries</b>										
USSR <sup>d</sup>	1,920	2,380	2,600	3,280	3,280	3,390	3,670	3,670	3,370	3,650

<sup>a</sup> Including refined products.<sup>c</sup> Including one-half of neutral zone production.<sup>b</sup> Excluding bunkers.<sup>d</sup> Gross basis.**Table 104**  
**Major Importers of Oil***Thousand barrels per day*

	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>										
United States	3,419	6,256	6,056	8,388	6,767	5,113	5,051	5,437	5,067	6,061
Japan	4,206	5,576	5,008	5,635	5,091	4,451	4,313	4,474	4,221	4,235
France	2,146	2,875	2,278	2,762	2,549	1,977	1,851	1,790	1,923	1,925
Italy	2,345	2,669	2,121	2,435	2,152	2,051	1,842	1,827	1,822	1,961
West Germany	2,676	3,001	2,509	2,972	2,692	2,224	2,186	2,162	2,200	2,349
<b>Communist countries</b>										
Bulgaria	172	241	254	300	301	290	290	290	290	NA
Czechoslovakia	218	309	338	397	403	363	357	360	353	NA
East Germany	209	323	343	417	445	437	457	471	459	NA
Hungary	107	151	188	234	206	208	209	209	183	NA
Poland	189	285	330	411	416	328	351	339	345	NA
Romania	46	83	102	286	320	218	248	271	293	NA

**Table 105**  
**Imports of Crude Oil and Refined Products**  
**by the OECD Countries, 1986**

*Thousand barrels per day*

	OECD	United States	Canada	Japan	Western Europe	West Germany	France	United Kingdom	Italy	Netherlands	Spain	Other	Australia	New Zealand
Algeria	820	266	2	14	538	128	82	29	79	102	40	78	0	0
Bahrain	46	2	0	36	4	0	1	0	1	1	0	1	3	1
Egypt	301	10	0	19	272	13	39	59	121	0	8	32	0	0
Iraq	946	81	0	161	704	16	107	70	112	66	115	218	0	0
Kuwait	727	68	0	180	451	19	22	13	151	120	20	106	28	0
Libya	939	0	0	1	938	147	59	41	300	28	145	218	0	0
Qatar	240	12	0	168	51	0	28	6	4	6	1	6	8	1
Saudi Arabia	3,151	681	25	797	1,598	151	321	73	364	216	114	359	45	5
United Arab Emirates	1,053	42	0	831	162	4	34	0	50	14	9	51	18	0
OAPEC	8,223	1,162	27	2,207	4,718	478	693	291	1,182	553	452	1,069	102	7
Ecuador	79	78	0	1	0	0	0	0	0	0	0	0	0	0
Gabon	113	24	0	0	89	1	65	4	1	2	16	0	0	0
Indonesia	795	309	0	458	3	2	0	1	0	0	0	0	20	5
Iran	769	16	30	214	509	41	65	10	135	81	66	111	0	0
Nigeria	1,181	420	40	0	721	194	128	57	110	69	52	111	0	0
Venezuela	1,127	772	65	13	277	119	20	23	42	31	10	32	0	0
OPEC <sup>a</sup>	11,940	2,769	162	2,838	6,041	822	931	327	1,348	735	588	1,290	119	11
Other <sup>b</sup>	5,899 <sup>c</sup>	3,280	292	1,342	2,960 <sup>d</sup>	1,583	895	658	491	1,001	426	2,149	69	37
Total	18,186 <sup>c</sup>	6,061	454	4,235	9,277 <sup>d</sup>	2,418	1,866	1,044	1,961	1,737	1,022	3,472	191	48
Consumption	34,130	16,140	1,435	4,210	11,680	2,375	1,745	1,575	1,670	665	805	2,845	585	80

<sup>a</sup> OAPEC members, excluding Bahrain and Egypt, plus other countries shown.

<sup>b</sup> Including unknown.

<sup>c</sup> Excluding intra-OECD trade.

<sup>d</sup> Excluding intra-European trade.

**Table 106**  
**Natural Gas Production <sup>a</sup>***Billion cubic feet*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>	<b>13,700</b>	<b>27,100</b>	<b>31,100</b>	<b>29,500</b>	<b>31,500</b>	<b>30,200</b>	<b>27,900</b>	<b>26,300</b>	<b>28,200</b>	<b>27,700</b>	<b>26,800</b>
United States <sup>c</sup>	12,770	21,920	21,600	20,110	20,470	20,180	18,520	16,820	18,230	17,200	16,810
Canada	525	2,275	3,120	3,090	3,345	2,465	2,500	2,520	2,760	2,970	2,700
Norway	0	0	0	10	905	885	895	905	965	930	945
European Community	<b>356</b>	<b>2,690</b>	<b>5,010</b>	<b>5,950</b>	<b>6,240</b>	<b>6,090</b>	<b>5,380</b>	<b>5,470</b>	<b>5,560</b>	<b>5,760</b>	<b>5,540</b>
Netherlands	12	1,117	2,640	3,385	3,490	3,400	2,685	2,640	2,655	2,860	2,600
United Kingdom	NEGL	398	1,020	1,275	1,365	1,290	1,265	1,395	1,420	1,515	1,580
West Germany	16	465	550	515	630	670	595	625	655	610	545
<b>Other countries</b>											
Algeria	NEGL	160	170	335	550	410	940	1,280	1,240	1,320	1,275
Indonesia	NA	NA	30	80	555	655	675	770	1,155	1,230	1,265
Mexico <sup>d</sup>	222	481	540	585	920	1,300	1,120	1,100	1,035	955	505
Venezuela	163	349	460	450	465	490	600	550	610	610	670
<b>Communist countries <sup>e</sup></b>											
USSR and Eastern Europe	<b>2,040</b>	<b>8,250</b>	<b>10,000</b>	<b>12,000</b>	<b>16,300</b>	<b>17,300</b>	<b>19,700</b>	<b>20,900</b>	<b>22,700</b>	<b>24,500</b>	<b>25,900</b>
USSR <sup>c</sup>	1,600	6,990	8,346	10,215	14,359	15,370	17,675	18,921	20,735	22,698	24,215
Eastern Europe	<b>435</b>	<b>1,260</b>	<b>1,660</b>	<b>1,800</b>	<b>1,950</b>	<b>1,950</b>	<b>2,010</b>	<b>2,020</b>	<b>1,960</b>	<b>1,760</b>	<b>1,690</b>
Bulgaria	0	17	8	4	5	7	5	5	5	5	5
Czechoslovakia	51	43	37	33	39	23	23	22	21	25	21
East Germany	1	44	248	257	300	300	300	300	300	300	300
Hungary	12	123	170	183	230	217	234	229	244	247	231
Poland	19	183	213	211	259	224	195	193	214	225	195
Romania	352	847	989	1,115	1,117	1,179	1,252	1,275	1,176	960	940
<b>Other</b>											
China	NA	136	226	325	512	504	411	411	438	454	466
Yugoslavia	2	35	47	55	66	64	60	74	71	85	86

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

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

<sup>c</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 reinjected in order to maintain reservoir pressure, would be as follows (in billion cubic feet):  
1960 1965 1970 1973 1975 1979  
14,510 17,660 23,790 24,065 21,105 21,885

1980 1982 1983 1984 1985 1986  
21,870 20,210 18,595 20,190 19,535 18,920  
A much smaller share of total production in the USSR is believed to be used for reinjection.

<sup>d</sup> Including gas used for repressuring and gas wasted.  
<sup>e</sup> Gross production.

**Table 107**  
**Hard Coal Production <sup>a</sup>***Million metric tons*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>923</b>	<b>983</b>	<b>914</b>	<b>953</b>	<b>1,050</b>	<b>1,100</b>	<b>1,130</b>	<b>1,080</b>	<b>1,130</b>	<b>1,180</b>	<b>1,160</b>
United States	391.53	550.39	530.13	576.18	670.62	710.38	712.78	656.57	750.26	741.31	713.98
Australia	21.90	45.21 <sup>b</sup>	55.48 <sup>b</sup>	60.70	73.42	73.63	96.79	109.08	124.55	138.96	138.00
Canada	8.02	11.60	16.82	21.71	28.01	30.58	35.32	37.15	47.48	51.01	48.23
Japan <sup>c</sup>	51.07	39.69	22.41	19.00	17.64	18.03	17.60	17.06	16.64	16.38	16.10
European Community	<b>446</b>	<b>328</b>	<b>282</b>	<b>268</b>	<b>253</b>	<b>264</b>	<b>262</b>	<b>249</b>	<b>177</b>	<b>219</b>	<b>231</b>
Belgium	22.47	11.36	8.84	7.89	6.12	6.32	6.54	6.10	6.30	6.22	5.60
France	55.96	37.36	26.35	23.64	18.61	20.20	18.76	18.65	18.28	15.12	14.50
Spain	13.78	10.75	10.00	10.82	11.86	13.15	15.67	15.42	15.62	16.15	15.90
United Kingdom <sup>d</sup>	196.71	147.11	132.02	128.68	122.36	130.09	124.72	119.26	51.18	91.88	107.89
West Germany <sup>e</sup>	143.26	116.34	102.99	96.76	93.31	94.49	96.31	89.62	84.86	88.85	87.13
<b>Other countries</b>											
India	52.59	73.69	77.87	95.89	103.45	109.10	128.32	134.83	144.77	149.26	163.00
South Africa	38.17	54.61	62.35	69.44	105.48	116.04	136.91	139.01	140.00	NA	NA
South Korea	5.35	12.39	13.57	17.58	18.20	18.54	20.23	18.95	20.64	23.29	25.00
<b>Communist countries</b>											
USSR and Eastern Europe	<b>496</b>	<b>613</b>	<b>657</b>	<b>696</b>	<b>738</b>	<b>726</b>	<b>716</b>	<b>716</b>	<b>713</b>	<b>721</b>	<b>742</b>
USSR	355.92	432.72	461.22	485.00	497.00	493.00	488.00	487.00	484.00	492.50	513.00
Eastern Europe	<b>140</b>	<b>180</b>	<b>196</b>	<b>211</b>	<b>241</b>	<b>233</b>	<b>228</b>	<b>229</b>	<b>229</b>	<b>229</b>	<b>229</b>
Bulgaria	0.57	0.40	0.35	0.33	0.27	0.27	0.24	0.24	0.22	0.24	0.20
Czechoslovakia	26.40	28.20	27.78	28.12	28.46	28.20	27.46	26.92	26.42	26.22	25.70
East Germany	2.72	1.05	0.75	0.54	0.05	NEGL	NEGL	NEGL	NEGL	NEGL	NEGL
Hungary	2.85	4.15	3.41	3.02	3.00	3.07	3.04	2.83	2.57	2.64	2.32
Poland	104.44	140.10	156.63	171.62	200.94	193.12	189.31	191.09	191.60	191.64	192.08
Romania	3.40	6.40	7.17	7.32	8.11	8.06	8.34	7.79	8.46	8.66	8.80
Other											
China <sup>f</sup>	280.00	327.40	398.10	478.00	635.00	620.00	666.00	715.00	789.00	872.00	870.00
North Korea <sup>f</sup>	6.80	21.80	26.40	27.30	39.50	45.60	48.80	50.40	52.00	53.00	54.00
Yugoslavia	1.28	0.64	0.58	0.60	0.43	0.39	0.39	0.39	0.39	0.40	0.41

<sup>a</sup> Unless otherwise indicated, data are for net production of anthracite and bituminous coal.

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

<sup>c</sup> Including brown coal.

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

<sup>e</sup> Including low-quality coal at its hard-coal equivalent.

<sup>f</sup> Raw production. Including a negligible amount of brown coal.

**Table 108**  
**Brown Coal and Lignite Production**

Million metric tons

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>111</b>	<b>166</b>	<b>190</b>	<b>210</b>	<b>263</b>	<b>272</b>	<b>296</b>	<b>305</b>	<b>317</b>	<b>328</b>	<b>324</b>
United States	2.49	7.21	12.88	17.71	38.01	42.31	47.94	52.93	57.26	62.54	64.40
Australia	15.21	24.18 <sup>a</sup>	24.68 <sup>a</sup>	28.18	32.54	32.89	37.81	34.09	35.11	36.54	34.90
Austria	5.97	3.67	3.63	3.40	2.74	2.87	3.30	3.04	2.90	3.08	3.00
Canada	1.97	3.46	3.65	3.55	5.02	5.98	7.49	7.76	9.92	9.67	8.28
Spain	1.76	2.83	3.00	3.38	10.69	15.46	23.88	24.53	24.32	24.14	22.10
Turkey	1.91	4.44	5.73	7.11	14.96	15.05	16.16	22.79	24.28	31.67	35.00
European Community	<b>106</b>	<b>123</b>	<b>139</b>	<b>150</b>	<b>169</b>	<b>173</b>	<b>183</b>	<b>184</b>	<b>188</b>	<b>185</b>	<b>178</b>
Greece	2.49	8.08	13.57	18.41	23.57	23.20	27.40	30.59	32.50	35.98	38.20
West Germany	96.22	107.77	118.66	123.38	130.61	129.86	127.36	124.37	126.71	120.67	114.31
<b>Other countries</b>											
India	0.05	3.54	3.32	2.79	3.25	4.55	6.67	7.30	7.66	7.78	8.40
<b>Communist countries</b>											
USSR and Eastern Europe <sup>b</sup>	<b>469</b>	<b>587</b>	<b>588</b>	<b>602</b>	<b>627</b>	<b>630</b>	<b>660</b>	<b>670</b>	<b>704</b>	<b>717</b>	<b>734</b>
USSR	134.21	144.74	153.47	160.00	161.00	160.00	163.00	158.00	156.00	157.00	160.00
Eastern Europe	<b>335</b>	<b>442</b>	<b>434</b>	<b>442</b>	<b>466</b>	<b>470</b>	<b>497</b>	<b>512</b>	<b>548</b>	<b>560</b>	<b>574</b>
Bulgaria	15.42	28.85	26.46	27.52	27.96	29.95	31.97	32.15	32.14	30.66	35.00
Czechoslovakia	57.89	81.30	81.25	86.27	96.21	95.73	98.84	100.47	102.86	100.39	100.00
East Germany	225.47	261.48	246.25	246.71	256.06	258.10	276.04	278.00	296.00	312.00	311.00
Hungary	23.68	23.68	23.37	21.87	22.66	22.64	23.04	22.39	22.47	21.40	20.80
Poland	9.33	32.77	39.22	39.87	38.08	36.87	37.65	42.52	58.90	57.75	67.26
Romania	3.36	14.13	17.68	19.77	24.66	27.10	29.56	36.73	35.82	37.65	39.00
<b>Other</b>											
North Korea <sup>c</sup>	3.80	5.70	6.60	7.70	10.00	10.00	11.00	11.00	11.00	11.00	11.50
Yugoslavia	21.43	27.78	31.87	34.94	41.68	46.61	54.20	59.00	64.68	69.10	70.02

<sup>a</sup> Twelve months ending 30 June of the year stated.<sup>b</sup> Net output.<sup>c</sup> Including unknown amounts of hard coal.



**Table 109**  
**Electricity Production <sup>a</sup>***Billion kilowatt-hours*

	1960	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>	<b>1,710</b>	<b>3,520</b>	<b>4,300</b>	<b>4,400</b>	<b>5,260</b>	<b>5,230</b>	<b>5,220</b>	<b>5,410</b>	<b>5,650</b>	<b>5,880</b>	<b>5,920</b>
United States <sup>c</sup>	893.72	1,742.73	2,086.28	2,131.06	2,472.14	2,437.82	2,386.69	2,459.24	2,574.07	2,634.65	2,652.70
Of which: Hydro	149.12	250.70	275.33	303.15	281.55	276.02	309.21	332.13	321.15	281.15	290.84
Australia	23.20	53.89	64.80	73.93	92.09	96.32	104.89	109.19	115.81	121.63	126.97
Canada	115.10	208.34	268.64	278.74	361.32	376.05	385.95	405.41	435.51	457.38	466.98
Japan	111.49	359.54	470.29	475.79	589.64	577.52	581.15	618.10	648.57	673.00	673.00
Sweden	34.72	60.64	78.08	80.57	92.45	93.43	99.52	108.86	123.49	132.98	143.11
European Community	<b>450</b>	<b>930</b>	<b>1,130</b>	<b>1,130</b>	<b>1,390</b>	<b>1,390</b>	<b>1,380</b>	<b>1,410</b>	<b>1,450</b>	<b>1,550</b>	<b>1,550</b>
France	75.01	146.97	182.36	185.31	241.13	243.29	265.39	281.29	306.80	323.57	332.00
Italy	56.24	117.42	145.52	147.33	180.53	185.74	181.82	180.11	179.54	195.01	193.00
Spain	18.61	56.49	76.27	82.38	105.41	110.32	113.51	115.45	115.50	124.91	120.00
United Kingdom	136.97	249.11	281.87	271.99	299.87	284.94	271.31	275.58	280.49	297.05	300.96
West Germany	116.42	242.61	299.00	301.80	374.22	368.77	365.20	371.96	376.60	408.70	397.00
Other Countries											
Brazil	22.86	45.46	64.64	80.29	124.67	139.49	152.00	161.98	178.54	192.95	NA
India	20.12	61.21	72.80	85.93	104.63	119.15	129.98	139.90	153.73	166.20	182.00
Communist countries											
USSR and Eastern Europe	<b>406</b>	<b>987</b>	<b>1,220</b>	<b>1,380</b>	<b>1,640</b>	<b>1,710</b>	<b>1,800</b>	<b>1,860</b>	<b>1,960</b>	<b>2,020</b>	<b>2,080</b>
USSR	292.27	740.93	914.61	1,038.61	1,238.20	1,293.88	1,367.10	1,418.10	1,492.07	1,544.20	1,599.00
Of which: Hydro	50.91	124.38	122.34	125.99	172.02	183.89	174.70	180.36	202.99	214.50	210.00
Eastern Europe	<b>114</b>	<b>246</b>	<b>301</b>	<b>340</b>	<b>404</b>	<b>420</b>	<b>429</b>	<b>446</b>	<b>466</b>	<b>473</b>	<b>484</b>
Bulgaria	4.66	19.52	21.96	25.24	32.48	34.84	40.44	42.62	44.67	41.62	41.80
Czechoslovakia	24.46	45.16	53.47	59.28	68.09	72.73	74.70	76.28	78.39	80.62	84.70
East Germany	40.30	67.65	76.91	84.51	96.85	98.81	102.92	104.93	110.00	114.80	115.00
Hungary	7.62	14.54	17.64	20.46	24.51	23.87	24.52	25.70	26.23	26.30	26.77
Poland	29.26	64.53	84.27	97.17	117.47	121.86	117.58	125.81	134.80	137.60	140.29
Romania	7.65	35.09	46.78	53.72	64.93	67.49	68.90	70.20	71.60	71.80	75.50
Other											
Albania	0.19	0.96	1.55	1.66	2.80	NA	NA	NA	NA	NA	NA
China	NA	115.90	166.80	195.80	281.95	300.62	327.70	351.40	377.00	410.70	445.45
Cuba	2.90	4.89	5.60	6.58	9.40	9.90	11.02	11.40	12.30	12.20	12.00
North Korea	9.00	14.00	16.00	18.00	22.00	23.00	25.00	26.00	27.00	30.00	31.00
Yugoslavia	8.93	26.02	35.06	40.04	54.97	59.44	62.32	67.56	73.01	74.80	77.70

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

<sup>b</sup> Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 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.

<sup>c</sup> Beginning in 1980, data are for public utilities only.

**Table 110**  
**Installed Electricity Generating Capacity <sup>a</sup>**

Million kilowatts

	1960	1965	1970	1973	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>												
United States <sup>b</sup>	186.53	254.52	360.33	459.25	527.35	615.69	630.94	650.10	658.18	672.46	698.10	NA
Canada	23.03	29.35	42.83	54.38	61.35	77.23	82.00	85.55	89.53	95.22	99.26	NA
Japan <sup>c</sup>	23.64 <sup>d</sup>	38.06	59.48	85.30	104.21	131.22	137.94	150.00	154.65	159.23	163.29	NA
Norway	6.61	9.92	12.91	15.44	16.93	18.94	20.25	22.37	23.20	23.21	23.24	NA
Sweden	8.96	12.04	15.31	19.46	23.14	25.77	27.42	29.68	30.71	30.86	33.17	NA
<b>European Community</b>												
France	21.17 <sup>e</sup>	26.97 <sup>e</sup>	36.22	43.09	46.29	56.38	62.71	73.81	78.00	84.68	86.80	NA
Italy	16.31 <sup>e</sup>	23.82 <sup>e</sup>	30.41	36.51	39.10	44.34	46.82	50.02	51.50	53.99	55.63	NA
Netherlands	5.18	7.29	10.11	12.46	15.45	16.76	17.88	17.39	17.23	16.58	NA	NA
Spain	6.57	10.17	17.91	23.20	25.76	27.91	29.32	31.63	33.53	35.55	38.30	NA
United Kingdom <sup>b</sup>	36.60 <sup>e</sup>	49.29 <sup>e</sup>	62.06	72.65	73.92	74.33	73.64	69.19	66.43	66.90	67.61	NA
West Germany	28.38 <sup>e</sup>	40.60 <sup>e</sup>	47.54	58.50	70.11	82.79	82.59	85.77	86.96	89.88	92.70	NA
<b>Communist countries</b>												
<b>USSR and Eastern Europe</b>												
USSR	66.72	115.03	166.15	195.56	217.48	245.28	266.71	285.49	293.56	303.69	315.00	321.00
<b>Eastern Europe</b>												
Bulgaria	0.92	2.16	4.12	5.11	7.06	7.99	8.20	9.50	9.63	9.65	9.70	NA
Czechoslovakia	5.72	8.21	10.81	12.12	13.64	16.37	16.65	18.91	18.90	18.60	19.66	NA
East Germany	7.84	10.31	12.57	15.04	16.93	19.44	20.45	21.86	21.79	22.26	22.76	NA
Hungary	1.48	2.00	2.73	3.23	4.29	5.24	5.41	5.65	6.10	6.30	6.40	NA
Poland	6.32	9.67	13.89	17.73	20.06	24.79	25.29	26.84	27.88	27.79	29.04	NA
Romania	1.78	3.26	7.35	10.12	11.58	15.60	16.11	16.91	17.99	18.82	19.58	NA
<b>Other</b>												
China	NA	15.08	23.77	33.92	43.41	63.02	65.87	72.36	76.64	79.86	86.36	92.32
Cuba <sup>f</sup>	0.94	0.96	1.30	1.30	1.40	2.17	2.62	2.83	2.93	3.16	3.39	3.40
North Korea	1.79	2.12	2.80	4.00	4.60	5.04	5.04	5.80	6.00	6.10	6.50	6.70
Yugoslavia	2.40	3.73	6.97	8.65	9.39	12.89	14.08	16.00	NA	NA	NA	NA

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

<sup>b</sup> Beginning in 1982, data are for public utilities only.

<sup>c</sup> Capacity as of 31 March of the stated year.

<sup>d</sup> Capacity as of 31 March 1961.

<sup>e</sup> Gross capacity.

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

**Table 111**  
**Installed Nuclear Electric Generating Capacity <sup>a</sup>**

*Thousand megawatts*

	1960	1970	1975	1979	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>0.9</b>	<b>14.2</b>	<b>63</b>	<b>104</b>	<b>113</b>	<b>134</b>	<b>147</b>	<b>166</b>	<b>198</b>	<b>220</b>
United States	0.4	6.0	37.4	50.3	52.2	57.6	60.4	67.1	76.2	84.1
Canada	0	0.2	2.5	5.1	5.1	5.1	6.9	8.3	9.6	11.0
Japan	0	0.8	5.0	14.5	14.5	16.6	16.6	19.0	23.6	23.6
Finland	0	0	0	1.2	1.2	2.3	2.3	2.3	2.3	2.3
Sweden	0	NEGL	2.4	3.7	4.6	6.4	7.3	7.3	9.4	9.4
Switzerland	0	0.4	1.0	1.9	1.9	1.9	1.9	2.9	2.9	2.9
European Community	<b>0.5</b>	<b>6.8</b>	<b>14.7</b>	<b>27.7</b>	<b>33.2</b>	<b>44.3</b>	<b>51.3</b>	<b>59.3</b>	<b>74.0</b>	<b>87.0</b>
Belgium	0	NEGL	1.7	1.7	1.7	2.6	3.5	3.5	5.5	5.5
France	0.1	1.7	2.9	8.3	12.9	20.1	25.3	28.0	33.8	44.9
Italy	0	0.4	0.4	0.4	0.4	1.3	1.3	1.3	1.3	1.3
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Spain	0	0.2	1.1	1.1	1.1	2.0	2.9	3.8	5.7	5.7
United Kingdom	0.4	4.1	5.3	8.0	8.0	8.0	8.0	9.9	11.1	11.7
West Germany	NEGL	0.3	2.8	7.7	8.6	9.8	9.8	12.3	16.1	17.4
<b>Other countries</b>										
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.9
Brazil	0	0	0	0	0	0	0	0.6	0.6	0.6
China (Taiwan)	0	0	0	1.2	1.2	3.1	3.1	4.0	4.9	4.9
India	0	0.4	0.6	0.6	0.6	0.8	0.8	1.0	1.3	1.3
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Africa	0	0	0	0	0	0	0	0.9	1.8	1.8
South Korea	0	0	0	0.6	0.6	0.6	1.8	1.8	2.7	4.5
<b>Communist countries</b>										
USSR and Eastern Europe	NEGL	1.0	6.8	12.9	16.1	22.3	25.1	30.1	34.6	37.3
USSR	NEGL	0.9	4.8	10.2	12.5	17.4	20.2	24.3	28.3	29.3
Eastern Europe	<b>0</b>	<b>0.1</b>	<b>2.0</b>	<b>2.7</b>	<b>3.6</b>	<b>4.9</b>	<b>4.9</b>	<b>5.8</b>	<b>6.3</b>	<b>8.0</b>
Bulgaria	0	0	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
Czechoslovakia	0	0	0.1	0.4	0.9	0.9	0.9	1.3	1.8	3.1
East Germany	0	0.1	1.0	1.4	1.8	1.8	1.8	1.8	1.8	1.8
Hungary	0	0	0	0	0	0.4	0.4	0.9	0.9	1.3
<b>Other</b>										
Yugoslavia	0	0	0	0	0	0.7	0.7	0.7	0.7	0.7

<sup>a</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 112**  
**Iron Ore Production <sup>a</sup>**

Million metric tons

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>									
United States	90.21	91.20	80.13	70.73	36.00	38.20	52.10	49.53	40.00
Australia	4.42	51.19	97.65	95.54	87.69	71.04	94.41	92.86	90.00
Canada	19.80	47.70	46.87	48.75	35.59	33.50	41.06	39.50	36.10
Sweden	21.69	31.51	30.87	27.18	16.14	14.26	18.12	20.45	20.49
European Community	<b>118</b>	<b>88.1</b>	<b>70.6</b>	<b>43.3</b>	<b>30.1</b>	<b>26.1</b>	<b>25.4</b>	<b>24.5</b>	<b>21.8</b>
France	66.96	56.80	49.65	28.98	19.39	15.93	14.84	14.45	12.44
Spain	5.64	7.06	8.22	8.87	8.37	7.45	7.26	6.46	6.09
<b>Other countries <sup>c</sup></b>									
Brazil	9.34	40.20	89.89	114.73	93.16	88.72	112.06	123.00	132.00
India	10.68	31.37	41.40	41.90	40.90	38.80	41.03	42.54	47.80
Liberia	3.05	23.66	24.38	18.19	18.17	14.94	15.10	15.32	15.30
Mexico	0.86	4.81	5.35	8.06	8.16	8.04	8.32	7.82	7.30
South Africa	3.10	9.20	12.10	26.30	24.55	16.60	24.65	24.41	24.48
Venezuela	19.49	22.10	24.77	16.10	11.20	9.72	13.05	16.23	19.10
<b>Communist countries</b>									
USSR and Eastern Europe	<b>115</b>	<b>208</b>	<b>244</b>	<b>251</b>	<b>250</b>	<b>251</b>	<b>253</b>	<b>254</b>	<b>NA</b>
USSR	105.86	197.14	234.70	244.71	244.41	245.20	247.10	248.00	250.00
Eastern Europe	<b>9.34</b>	<b>10.8</b>	<b>9.13</b>	<b>6.73</b>	<b>6.07</b>	<b>6.19</b>	<b>6.28</b>	<b>6.45</b>	<b>NA</b>
Bulgaria	0.42	2.41	2.34	1.89	1.55	1.80	2.06	1.98	2.18
Czechoslovakia	3.12	1.61	1.77	1.93	1.86	1.91	1.87	1.82	1.76
East Germany	1.64	0.42	0.06	0.05	0.04	0.04	0.04	0.04	0.04
Hungary	0.52	0.63	0.64	0.43	0.47	0.44	0.38	0.31	NA
Poland	2.18	2.55	1.25	0.10	0.05	0.01	0.01	0.01	0.01
Romania	1.46	3.21	3.07	2.33	2.10	1.99	1.92	2.29	2.30
<b>Other</b>									
Albania	0.25	0.40	0.47	0.75	0.70	0.85	1.08	1.13	1.15
China	100.00	72.30	109.00	120.00	NA	113.39 <sup>d</sup>	126.7 <sup>d</sup>	132.0 <sup>d</sup>	140.08 <sup>d</sup>
North Korea	2.50	6.50	6.75	8.50	11.00	12.00	12.50	12.50	NA
Yugoslavia	2.20	3.69	5.24	4.53	5.11	5.02	5.32	5.48	6.75

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

<sup>b</sup> The metal content of the ore in the OECD countries varies

from year to year. The approximate current content is as follows: United Kingdom and West Germany, 28-31 percent; France, 32 percent; United States and Canada, 63-64 percent; and Australia and Sweden, 60-65 percent.

<sup>c</sup> The metal content of the ore in the other countries ranges from 30 percent to 68 percent.

<sup>d</sup> Final product. Data on gross amount of marketable ores not available.

**Table 113**  
**Manganese Ore Production <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
Australia	62	751	1,550	1,999	1,123	1,370	1,849	2,003	1,649
Italy	49	50	0	9	9	7	10	9	6
Japan	324	270	158	80	78	75	62	21	6
<b>Other countries</b>									
Brazil	999	1,880	2,160	2,281	2,341	2,092	2,693	2,700	2,700
Gabon	0	1,450	2,250	2,147	1,512	1,857	2,119	2,340	2,510
Ghana <sup>b</sup>	545	405	409	252	160	173	269	290	280
India	1,200	1,650	1,580	1,692	1,490	1,281	1,130	1,240	1,300
Mexico	205	274	428	447	509	350	476	396	459
South Africa	1,190	2,680	5,770	5,695	5,217	2,886	3,049	3,601	3,719
<b>Communist countries</b>									
USSR and Eastern Europe	<b>6,350</b>	<b>7,230</b>	<b>8,340</b>	<b>9,930</b>	<b>10,000</b>	<b>10,100</b>	<b>10,300</b>	<b>10,500</b>	<b>10,700</b>
USSR	5,872	6,841	8,459	9,750	9,821	9,876	10,089	10,290	10,578
Eastern Europe	<b>477</b>	<b>390</b>	<b>278</b>	<b>180</b>	<b>183</b>	<b>182</b>	<b>178</b>	<b>167</b>	<b>165</b>
Bulgaria	25	33	35	49	45	45	45	38	40
Hungary	123	169	131	83	83	59	67	63	60
Romania	175	102	112	48	55	78	66	66	65
<b>Other</b>									
Yugoslavia	13	15	17	30	27	32	27	25	25

<sup>a</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, 25-53 percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania,

30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

<sup>b</sup> Dry weight.

**Table 114**  
**Tungsten Ore Production <sup>a</sup>**

Metric tons

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	3,160	4,220	2,490	2,738	1,575	1,016	1,173	996	780
Australia	1,900	1,260	1,498	3,575	2,618	2,015	1,733	1,970	1,300
Austria	110	80	360	2,150	1,465	1,408	1,632	1,481	1,387
Canada <sup>b</sup>	0	1,340	1,170	3,179	2,842	328	3,715	4,031	1,786
France	340	80	620	577	727	832	796	733	500
Japan	470	850	770	668	604	475	477	568	511
Portugal	1,390	1,080	1,420	1,568	1,353	1,183	1,509	1,755	1,637
Spain	440	410	350	446	545	517	565	458	447
Turkey	0	0	0	96	150	325	350	350	350
<b>Other countries</b>									
Bolivia	1,020	1,840	2,036	2,732	2,534	2,449	1,893	1,643	1,160
Brazil	642	920	896	876	1,524	1,026	1,037	1,175	1,200
Burma	470	220	490	823	844	930	1,096	945	715
Mexico	90	290	280	266	194	186	274	282	294
Peru	230	800	580	549	682	762	699	723	742
Rwanda	230	180	350	431	324	231	260	167	13
South Korea	2,730	2,070	2,400	2,737	2,420	2,480	2,702	2,579	2,500
Thailand	210	710	1,640	1,615	855	562	741	586	361
<b>Communist countries</b>									
USSR	5,400	6,900	8,100	9,200	9,500	9,700	10,000	9,200	9,200
China	13,990	5,470	6,710	NA	NA	NA	NA	NA	NA

<sup>a</sup> Data are for the estimated tonnage of contained tungsten.<sup>b</sup> Shipments.

**Table 115**  
**Chromite Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
Finland	0	121	331	362	345	245	446	450	450
Greece	35	26	35	43	29	28	61	59	62
Japan	67	33	24	14	11	8	7	12	11
Turkey	481	519	717	391	452	346	487	600	600
<b>Other countries</b>									
Brazil	6	27	173	313	276	155	256	275	285
India	100	271	500	320	339	422	423	560	620
Iran	68	200	172	82	40	50	50	50	50
Madagascar	0	131	194	180	44	46	60	127	100
Philippines	734	566	520	496	322	267	261	272	183
South Africa	772	1,427	2,076	3,414	2,432	2,506	3,407	3,698	3,480
Zimbabwe	606	363	590	554	432	420	477	536	540
<b>Communist countries <sup>b</sup></b>									
USSR	1,200	3,000	3,500	3,400	3,400	3,300	3,326	3,360	3,454
Albania	289	466	779	1,020	675	685	720	825	850
Cuba	29	23	36	28	27	34	38	38	38
Yugoslavia	101	41	2	2	NA	NA	NA	NA	NA

<sup>a</sup> Data are in gross weight.<sup>b</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 116**  
**Bauxite Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>5,370</b>	<b>16,900</b>	<b>29,000</b>	<b>34,500</b>	<b>29,400</b>	<b>29,500</b>	<b>36,400</b>	<b>37,000</b>	<b>37,400</b>
United States	2,030	2,125	1,800	1,559	732	679	856	674	510
Australia	70	9,260	21,000	27,178	23,625	24,372	31,537	31,839	32,431
European Community	<b>3,260</b>	<b>5,510</b>	<b>5,610</b>	<b>5,230</b>	<b>4,540</b>	<b>4,140</b>	<b>3,910</b>	<b>3,980</b>	<b>3,890</b>
France	2,070	2,990	2,560	1,921	1,662	1,663	1,607	1,530	1,379
Greece	884	2,290	3,010	3,286	2,853	2,455	2,296	2,453	2,500
<b>Other countries</b>									
Brazil	121	510	970	6,688	6,289	7,199	6,433	6,251	6,224
Guinea	1,378	2,490	8,400	11,862	11,827	12,421	13,160	13,100	14,597
Guyana	2,511	4,417	3,251	2,471	1,783	1,087	1,333	1,675	1,466
Jamaica	5,840	12,000	11,600	12,054	8,378	7,683	8,937	5,975	6,964
Suriname	3,460	6,020	4,930	4,696	4,205	3,400	3,454	3,000	3,847
<b>Communist countries</b>									
USSR and Eastern Europe	<b>4,380</b>	<b>8,970</b>	<b>11,200</b>	<b>12,500</b>	NA	NA	NA	NA	NA
USSR <sup>a</sup>	3,100	6,700	8,000	9,100	9,000	8,900	9,200	NA	NA
Eastern Europe	<b>1,280</b>	<b>2,270</b>	<b>3,240</b>	<b>3,400</b>	NA	NA	NA	NA	NA
Hungary	1,190	2,022	2,890	2,950	2,627	2,917	2,994	2,815	3,022
Romania	88	250	350	470	NA	NA	NA	NA	NA
<b>Other</b>									
China <sup>b</sup>	640	1,500	2,800	3,300	3,300	NA	NA	NA	NA
Yugoslavia	1,025	2,098	2,306	3,138	3,668	3,500	3,347	3,538	3,459

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

<sup>b</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 117**  
**Pig Iron Production***Million metric tons*

	1960 <sup>a</sup>	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	62.2	82.8	72.3	62.3	39.3	44.2	47.1	45.3	39.9
Australia	2.9	6.1	7.5	7.0	6.0	5.1	5.3	5.6	5.9
Canada	4.0	8.2	9.2	11.2	8.0	8.6	9.6	9.7	9.2
Japan	11.9	68.0	86.9	87.0	77.7	72.9	80.4	80.6	74.7
European Community	<b>72.7</b>	<b>102.0</b>	<b>95.3</b>	<b>97.4</b>	<b>82.9</b>	<b>80.0</b>	<b>88.9</b>	<b>86.5</b>	<b>84.9</b>
Belgium	6.5	10.8	9.1	10.5	7.8	8.0	9.0	8.7	8.0
France	14.1	19.2	17.5	19.2	15.0	13.9	15.0	15.4	14.1
Italy	2.7	8.3	11.4	12.1	11.5	10.3	11.6	11.7	11.9
Spain	1.9	4.2	6.8	6.7	6.0	5.4	5.3	5.5	4.8
United Kingdom	16.0	17.5	12.0	6.4	8.3	9.5	9.5	10.4	9.2
West Germany	25.5	33.6	30.1	33.9	27.6	26.6	30.2	31.5	29.0
<b>Other countries</b>									
Brazil	1.8	4.2	7.1	13.0	10.8	12.9	17.2	19.0	20.4
India	4.3	7.0	8.3	8.5	9.6	9.1	9.4	9.8	10.5
Mexico	0.7	2.3	3.0	5.3	5.1	5.0	5.4	5.1	5.0
South Africa	2.0	3.9	5.2	7.5	6.8	5.2	5.5	6.6	6.8
South Korea	NEGL	NEGL	1.2	5.6	8.4	8.0	8.8	8.8	9.0
<b>Communist countries</b>									
USSR and Eastern Europe	<b>60.2</b>	<b>110</b>	<b>133</b>	<b>144</b>	<b>139</b>	<b>144</b>	<b>146</b>	<b>145</b>	<b>150</b>
USSR	46.8	85.9	103.0	107.3	106.7	110.5	110.9	110.0	114.0
Eastern Europe	<b>13.4</b>	<b>23.9</b>	<b>30.0</b>	<b>37.1</b>	<b>32.5</b>	<b>33.3</b>	<b>34.9</b>	<b>34.9</b>	<b>35.6</b>
Bulgaria	0.2	1.3	1.6	1.6	1.6	1.7	1.6	1.7	1.7
Czechoslovakia	4.7	7.6	9.3	9.8	9.5	9.5	9.6	9.6	9.6
East Germany	2.0	2.0	2.5	2.5	2.1	2.2	2.4	2.6	2.7
Hungary	1.2	1.8	2.2	2.2	2.2	2.0	2.1	2.1	2.1
Poland	4.2	7.0	7.8	12.0	8.5	9.7	9.6	9.8	9.9
Romania	1.0	4.2	6.6	9.0	8.6	8.2	9.6	9.1	9.6
<b>Other</b>									
China	27.5	22.0	33.8	38.0	35.5	37.4	40.0	43.5	50.1
North Korea	0.9	2.1	2.5	3.5	3.6	3.7	3.8	4.0	NA
Yugoslavia	1.0	1.3	2.0	2.4	2.7	2.9	2.8	3.1	3.1

<sup>a</sup> Including ferroalloys.

**Table 118**  
**Crude Steel Production <sup>a</sup>***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	90.1	119.3	105.8	101.5	67.7	76.8	83.9	80.1	73.0
Australia <sup>c</sup>	3.8	6.8	7.8	7.6	6.4	5.7	6.3	6.6	6.7
Canada	5.3	11.2	12.9	15.9	11.8	12.8	14.7	14.5	13.9
Japan	22.1	93.3	102.3	111.4	99.5	97.2	105.6	105.3	98.3
European Community	<b>99.8</b>	<b>146</b>	<b>138</b>	<b>142</b>	<b>125</b>	<b>123</b>	<b>134</b>	<b>136</b>	<b>126</b>
Belgium	7.2	12.6	11.6	12.3	9.9	10.2	11.3	10.7	9.7
France	17.3	23.8	21.5	23.2	18.4	17.6	19.0	18.8	18.0
Italy	8.2	17.3	21.8	26.5	24.0	21.7	24.0	23.7	22.9
Spain	2.0	7.4	11.1	12.6	13.2	12.7	13.5	14.2	12.0
United Kingdom	24.7	28.3	20.2	11.3	13.7	15.0	15.1	15.7	14.8
West Germany	34.1	45.0	40.4	43.8	35.9	35.7	39.4	40.5	37.1
<b>Other countries</b>									
Brazil <sup>d</sup>	2.3	5.4	8.3	15.3	13.0	14.7	18.4	20.5	21.2
India	3.3	6.1	7.1 <sup>e</sup>	9.4	10.7	10.3	10.3	11.1	11.1
Mexico	1.5	3.9	5.3	7.2	7.1	7.0	7.6	7.4	7.2
South Africa	2.1	4.8	6.5	9.1	8.3	7.2	7.8	8.6	8.8
South Korea	NEGL	0.5	2.0	8.6	11.8	11.9	13.0	13.5	13.5
<b>Communist countries</b>									
USSR and Eastern Europe	<b>86.4</b>	<b>156</b>	<b>193</b>	<b>210</b>	<b>204</b>	<b>210</b>	<b>214</b>	<b>214</b>	<b>222</b>
USSR	65.3	115.9	141.3	147.9	147.2	152.5	154.2	155.0	161.0
Eastern Europe	<b>21.2</b>	<b>39.8</b>	<b>51.3</b>	<b>61.7</b>	<b>56.4</b>	<b>57.4</b>	<b>60.0</b>	<b>59.3</b>	<b>61.1</b>
Bulgaria	0.2	1.8	2.3	2.6	2.6	2.8	2.9	2.9	2.9
Czechoslovakia	6.8	11.5	14.3	15.3	15.0	15.0	14.8	15.0	15.1
East Germany	3.8	5.1	6.5	7.3	7.2	7.2	7.6	7.9	8.0
Hungary	1.9	3.1	3.7	3.8	3.7	3.6	3.8	3.6	3.7
Poland	6.7	11.8	15.0	19.5	14.8	16.2	16.5	16.1	17.1
Romania	1.8	6.5	9.6	13.2	13.1	12.6	14.4	13.8	14.3
<b>Other</b>									
China	18.7	17.8	24.0	37.1	37.1	39.9	43.4	46.6	52.1
Cuba	NA	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.4
North Korea	0.6	2.2	2.6	3.6	3.8	3.9	4.0	4.5	NA
Yugoslavia	1.4	2.2	2.9	3.6	3.8	4.1	4.2	4.5	4.5

<sup>a</sup> Data are for ingots and steel for castings.<sup>b</sup> Excluding steel for castings made in foundries operated by companies not producing ingots.<sup>c</sup> Twelve months ending 30 June of the stated year.<sup>d</sup> Excluding alloy steel.<sup>e</sup> Ingots only.

**Table 119**  
**Rolled Steel Production***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	69.35	82.37	72.54	76.07	55.85	61.31	66.90	66.26	63.46
Canada <sup>a</sup>	4.13	8.24	9.48	12.29	9.35	10.00	8.70	8.62	10.76
Japan	17.20	76.03	86.28	101.79	91.87	91.00	99.00	99.89	93.90
<b>European Community</b>	<b>78.0</b>	<b>117</b>	<b>108</b>	<b>119</b>	<b>104</b>	<b>105</b>	<b>114</b>	<b>114</b>	<b>109</b>
Belgium	5.88	10.26	9.10	10.67	8.55	8.67	9.71	9.32	9.00
France	13.70	18.73	17.56	21.00	17.41	16.25	17.33	17.23	16.50
Italy	7.78	14.76	15.41	19.66	17.55	17.90	17.84	17.71	17.90
Spain <sup>a</sup>	1.27	5.46	8.94	10.14	10.00	10.79	12.87	11.33	9.60
United Kingdom	18.41	22.18	15.57	10.08	11.66	12.44	12.63	12.82	12.90
West Germany	25.84	35.97	32.98	37.36	31.20	31.32	34.76	35.96	33.65
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>57.8</b>	<b>108</b>	<b>137</b>	<b>148</b>	<b>144</b>	<b>149</b>	<b>152</b>	<b>152</b>	<b>NA</b>
USSR	43.68	80.65	98.69	102.91	102.31	106.44	107.30	108.00	112.00
<b>Eastern Europe</b>	<b>14.1</b>	<b>27.4</b>	<b>38.3</b>	<b>45.0</b>	<b>41.6</b>	<b>42.8</b>	<b>45.1</b>	<b>44.2</b>	<b>NA</b>
Bulgaria	0.19	1.42	2.50	3.21	3.25	3.24	3.38	2.93	3.30
Czechoslovakia	4.48	7.94	10.03	10.76	10.66	10.73	10.91	11.04	10.66
East Germany	2.61	3.41	5.22	5.13	4.96	5.08	5.39	5.64	5.90
Hungary	1.19	2.04	2.68	3.04	2.86	2.82	2.95	2.86	2.90
Poland	4.42	8.14	11.08	13.55	10.48	11.73	12.20	11.80	12.34
Romania	1.25	4.50	6.81	9.32	9.35	9.20	10.30	9.90	NA
<b>Other</b>									
China	11.30	13.40	16.80	27.16	29.00	30.00	33.70	36.92	40.50
Yugoslavia	0.97	1.77	2.36	4.24	4.51	4.65	5.67	5.69	5.60

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

**Table 120**  
**Refined Nickel Production <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	12.9	14.0	20.1	40.1	40.8	30.3	40.8	33.0	1.5
Australia	0	1.0	34.0	35.3	45.9	41.8	38.7	40.8	42.0
Canada	127.5	189.3	157.8	152.3	58.6	87.2	104.0	91.0	115.0
Japan	18.7	89.9	78.0	98.4	90.6	82.2	89.3	92.7	88.8
Norway	30.4	38.5	37.1	37.1	25.8	28.6	35.5	37.5	38.2
European Community	<b>47.3</b>	<b>56.3</b>	<b>63.1</b>	<b>44.2</b>	<b>20.0</b>	<b>42.2</b>	<b>44.3</b>	<b>41.5</b>	<b>53.0</b>
France <sup>b</sup>	10.0	10.3	10.9	9.8	7.4	4.9	5.2	7.0	10.0
Greece	0	8.6	14.9	13.9	4.5	12.9	15.8	16.0	12.0
United Kingdom	34.3	36.7	37.3	19.3	6.9	23.2	22.3	17.8	31.0
<b>Other countries</b>									
Dominican Republic	0	0	30.0	16.3	5.3	21.2	24.2	25.8	22.0
New Caledonia	11.4	27.9	52.8	32.6	28.0	21.7	29.2	36.1	33.0
<b>Communist countries <sup>c</sup></b>									
USSR	72.0	137.0	210.0	229.0	250.0	260.0	268.0	198.0	215.0
Cuba <sup>d</sup>	12.8	36.6	37.3	38.2	37.6	39.3	33.2	33.6	35.0

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

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

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

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

**Table 121**  
**Refined Copper Production <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	1,650	2,074	1,632	1,730	1,694	1,584	1,509	1,435	1,479
Australia	84	146	192	182	178	203	206	199	198
Canada	378	493	529	505	354	497	539	534	520
Japan	248	705	819	1,014	1,075	1,092	935	936	943
European Community	<b>838</b>	<b>1,079</b>	<b>1,100</b>	<b>1,130</b>	<b>1,270</b>	<b>1,230</b>	<b>1,200</b>	<b>1,260</b>	<b>1,260</b>
Belgium	212	338	332	374	502	431	428	456	450
Spain	42	83	139	154	172	159	156	152	158
United Kingdom	219	205	152	161	134	144	137	125	126
West Germany	309	406	422	374	394	421	379	414	425
<b>Other countries</b>									
Chile	226	465	534	811	852	834	880	884	935
Peru	30	36	71	226	225	194	220	230	226
Zaire	145	190	226	144	175	227	225	227	227
Zambia	403	581	629	608	585	575	522	479	460
<b>Communist countries</b>									
USSR and Eastern Europe	<b>576</b>	<b>1,220</b>	<b>1,750</b>	<b>2,030</b>	<b>2,050</b>	<b>2,100</b>	<b>2,180</b>	NA	NA
USSR	475	1,015	1,320	1,470	1,510	1,540	1,590	NA	NA
Eastern Europe	<b>101</b>	<b>204</b>	<b>428</b>	<b>561</b>	<b>541</b>	<b>557</b>	<b>591</b>	<b>627</b>	<b>628</b>
Bulgaria	14	38	50	63	65	68	70	93	95
Czechoslovakia	10	17	23	33	26	26	28	26	26
East Germany	40	40	50	51	51	50	55	63	63
Hungary	8	12	13	16	12	13	13	13	13
Poland	22	72	249	357	348	360	380	387	388
Romania	7	25	43	41	39	40	45	45	43
<b>Other</b>									
Albania	1	6	7	12	10	10	11	12	12
China	90	290	300	320	325	340	350	350	NA
Cuba <sup>b</sup>	NA	NEGL	3	3	3	3	3	3	3
Yugoslavia	35	89	138	131	127	124	128	135	140

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

<sup>b</sup> Copper concentrate.

**Table 122**  
**Primary Aluminum Production**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	1,827	3,607	3,519	4,654	3,274	3,353	4,099	3,500	3,037
Australia	12	206	214	303	381	478	758	851	882
Canada	691	972	887	1,068	1,065	1,091	1,227	1,282	1,360
Japan	133	733	1,013	1,091	351	256	287	227	140
Norway <sup>a</sup>	171	522	595	653	638	713	765	712	712
<b>European Community</b>	<b>549</b>	<b>1,160</b>	<b>2,170</b>	<b>2,600</b>	<b>2,340</b>	<b>2,280</b>	<b>2,400</b>	<b>2,280</b>	<b>2,360</b>
France	238	381	383	432	390	361	342	293	322
Greece	NA	91	136	146	135	136	136	123	124
Italy	84	147	190	271	233	196	230	224	243
Netherlands	0	75	258	259	251	235	249	245	258
Spain	29	120	210	386	367	358	381	370	375
United Kingdom <sup>a</sup>	29	40	308	374	241	252	288	275	276
West Germany	169	309	678	731	723	743	777	745	765
<b>Other countries</b>									
Brazil	18	56	121	260	299	401	455	550	762
Ghana	0	113	143	188	174	42	0	49	125
India	18	161	167	185	217	204	269	260	225
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>696</b>	<b>2,000</b>	<b>2,820</b>	<b>3,210</b>	<b>3,150</b>	<b>3,230</b>	<b>3,340</b>	<b>3,400</b>	<b>3,420</b>
USSR	565	1,640	2,345	2,705	2,735	2,795	2,879	2,940	2,970
<b>Eastern Europe</b>	<b>131</b>	<b>359</b>	<b>480</b>	<b>509</b>	<b>417</b>	<b>434</b>	<b>456</b>	<b>460</b>	<b>452</b>
Czechoslovakia	20	31	43	38	34	36	34	32	30
East Germany	35	56	60	62	58	57	58	60	60
Hungary	50	66	70	73	74	74	74	74	74
Poland	26	99	103	95	43	44	46	47	48
Romania <sup>b</sup>	0	107	204	241	208	223	244	247	240
<b>Other</b>									
China	80	188	357	415	425	435	400	410	400
Yugoslavia	25	48	168	185	246	284	302	316	320

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

<sup>b</sup> Including aluminum alloys.

**Table 123**  
**Smelter Production of Lead <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	347	605	577	550	517	515	397	487	366
Australia <sup>c</sup>	247	351	311	361	400	379	378	383	340
Canada	145	186	172	163	174	178	173	173	180
Japan	69	178	152	175	193	199	208	218	219
Sweden	45	41	38	20	64	61	66	59	65
<b>European Community</b>	<b>440</b>	<b>528</b>	<b>505</b>	<b>474</b>	<b>463</b>	<b>474</b>	<b>493</b>	<b>507</b>	<b>509</b>
Belgium	93 <sup>d</sup>	89 <sup>d</sup>	106 <sup>d</sup>	54	53	54	72	67	70
France	74	120	102	127	123	115	118	134	140
Italy	42	54	33	42	36	37	38	30	29
Spain	71	76	73	84	100	108	110	113	101
United Kingdom <sup>e</sup>	16	44	26	30	34	41	36	36	39
West Germany	140	113	92	112	111	116	102	110	111
<b>Other countries</b>									
Mexico	186	150	173	145	145	167	175	203	200
Peru	74	72	71	80	69	68	70	82	66
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>404</b>	<b>676</b>	<b>783</b>	<b>823</b>	<b>824</b>	<b>832</b>	<b>883</b>	<b>NA</b>	<b>NA</b>
USSR	300	470	540	560	560	565	582	NA	NA
<b>Eastern Europe</b>	<b>104</b>	<b>206</b>	<b>243</b>	<b>263</b>	<b>264</b>	<b>267</b>	<b>301</b>	<b>NA</b>	<b>NA</b>
Bulgaria	40	99	110	120	118	116	114	116	110
Czechoslovakia	12	18	18	20	21	57	57	NA	NA
Poland <sup>f</sup>	40	54	76	82	79	81	84	87	85
Romania <sup>f</sup>	12	35	39	41	46	49	46	47	46
<b>Other</b>									
Yugoslavia	89	97	126	102	81	98	83	99	113

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

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

<sup>c</sup> Including lead bullion.

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

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

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



**Table 124**  
**Refined Zinc Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>2,780</b>	<b>3,540</b>	<b>3,180</b>	<b>3,730</b>	<b>3,480</b>	<b>3,800</b>	<b>3,900</b>	<b>3,800</b>	<b>3,850</b>
United States <sup>b</sup>	788	866	450	370	302	305	331	334	316
Australia	122	264	200	306	296	303	306	293	310
Canada	237	418	427	592	512	617	683	692	572
Finland	0	56	110	147	155	155	159	160	150
Japan	180	676	722	735	662	701	754	740	708
European Community	<b>830</b>	<b>992</b>	<b>1,180</b>	<b>1,490</b>	<b>1,430</b>	<b>1,510</b>	<b>1,580</b>	<b>1,650</b>	<b>1,670</b>
Belgium	248	241	218	248	241	276	285	290	290
France	146	224	181	253	244	250	259	286	290
Italy	85	142	180	206	159	156	170	216	229
Netherlands	36	47	124	170	186	188	210	202	195
Spain	47	88	133	152	182	190	207	205	200
United Kingdom	76	147	53	87	79	88	86	74	86
West Germany	192	104	295	371	335	357	356	368	371
<b>Other countries</b>									
Mexico	53	81	154	144	132	175	180	182	176
<b>Communist countries</b>									
USSR and Eastern Europe	<b>577</b>	<b>1,030</b>	<b>1,210</b>	<b>1,190</b>	<b>1,130</b>	<b>1,150</b>	<b>1,180</b>	NA	NA
USSR <sup>c</sup>	360	690	820	820	820	825	850	NA	NA
Eastern Europe	<b>217</b>	<b>340</b>	<b>393</b>	<b>369</b>	<b>314</b>	<b>321</b>	<b>327</b>	<b>326</b>	<b>324</b>
Bulgaria	17	76	86	90	92	93	93	90	90
East Germany	4	15	15	18	17	16	17	16	16
Poland	176	209	243	215	165	170	176	180	179
Romania	20	40	49	46	40	42	41	40	39
<b>Other</b>									
Yugoslavia	36	65	98	85	87	88	93	83	89

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

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

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

**Table 125**  
**Titanium Sponge Metal Production <sup>a</sup>**

Thousand metric tons

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	4.8	14.0	14.4	20.4	14.2	12.7	22.1	21.1	15.8
Japan	2.3	9.2	7.6	19.4	16.8	10.6	15.4	21.9	14.5
<b>Communist countries</b>									
USSR	6.0	40.0	57.0	68.0	70.0	71.0	71.0	71.0	72.0

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

<sup>b</sup> Calculated, 1970-85, from reported consumption, imports, exports, and stock changes.

**Table 126**  
**Cobalt Production <sup>a</sup>**

Metric tons

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
Australia	13	469	2,079	1,975	1,480	1,150	1,080	830	800
Canada	1,618	2,609	1,354	1,603	1,404	1,584	2,235	2,067	2,490
Finland	NA	1,270	1,404	1,035	1,036	1,035	950	950	950
<b>Other countries</b>									
Morocco	1,271	604	1,961	838	792	0	0	0	0
Zaire	8,222	13,958	13,971	15,422	11,300	11,300	18,000	20,000	20,000
Zambia	1,847	2,400	2,057	4,400	3,251	3,200	4,620	5,800	5,770
<b>Communist countries</b>									
USSR	1,600	3,700	5,000	6,000	6,500	6,700	6,900	NA	NA
Albania	NA	NA	NA	326	345	354	363	600	600
Cuba	NA	1,208	1,240	1,613	1,500	1,621	1,397	1,420	1,400

<sup>a</sup> Recoverable cobalt content of ores mined, unless otherwise indicated.

**Table 127**  
**Smelter Production of Primary Tin <sup>a</sup>**

*Metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	13,700	4,540	6,500	3,000	3,500	2,500	4,000	3,000	3,213
Australia	2,290	5,210	5,250	4,820	3,105	2,913	2,899	2,683	1,302
European Community	<b>43,100</b>	<b>37,700</b>	<b>23,000</b>	<b>17,100</b>	<b>15,700</b>	<b>16,400</b>	<b>18,900</b>	<b>18,300</b>	<b>16,000</b>
Belgium	8,390	4,260	4,560	2,800	0	0	0	0	0
Spain	470	3,910	5,250	4,100	3,700	3,700	4,400	3,900	3,500
United Kingdom	26,800	22,000	11,520	5,830	8,164	6,467	7,105	7,548	7,000
<b>Other countries</b>									
Bolivia	1,020	300	7,530	18,190	19,032	14,164	15,842	12,859	8,500
Brazil	NA	3,100	5,400	8,640	9,298	12,950	18,887	24,701	25,500
Indonesia	2,010	5,190	17,800	30,470	29,755	28,390	22,467	20,909	22,000
Malaysia	77,600	91,500	83,100	71,320	62,836	53,338	46,911	45,500	44,000
Nigeria	NA	8,070	4,680	2,680	2,754	1,190	1,400	1,020	1,000
Thailand	220	22,000	16,600	34,690	25,497	18,467	19,729	17,966	18,500
<b>Communist countries</b>									
USSR	10,600	21,000	25,000	32,500	33,400	33,600	34,600	25,000	26,000
East Germany	1,000	1,200	1,200	1,800	2,000	2,000	3,000	3,300	NA
China	29,000	10,000	18,000	18,000	15,000	15,000	15,000	15,000	15,000

<sup>a</sup> Excluding tin derived from scrap or detinning.

**Table 128**  
**Primary Magnesium Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	36	102	109	154	93	105	144	136	126
Canada	7	9	4	9	8	6	8	7	7
Japan	2	10	9	6	6	6	7	8	8
Norway	10	35	38	44	36	30	49	55	55
<b>European Community</b>									
France	2	5	8	9	10	11	13	14	14
Italy	5	8	7	8	10	8	7	8	7
<b>Communist countries</b>									
USSR	25	80	98	104	109	111	114	87	89

**Table 129**  
**Gold Production***Million troy ounces*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	1.67	1.74	1.05	0.97	1.47	1.96	2.06	2.43	3.73
Australia	1.09	0.62	0.53	0.55	0.87	0.98	1.30	1.88	2.48
Canada	4.63	2.41	1.65	1.63	2.08	2.36	2.68	2.82	3.36
Japan	0.26	0.26	0.14	0.10	0.10	0.10	0.10	0.17	0.33
<b>Other countries</b>									
Brazil	0.11	0.17	0.17	1.30	1.50	1.75	1.75	2.00	2.00
Colombia	0.43	0.20	0.31	0.51	0.47	0.44	0.80	1.14	1.40
Ghana	0.89	0.71	0.52	0.35	0.33	0.28	0.29	0.30	0.29
Mexico	0.30	0.20	0.14	0.20	0.21	0.20	0.27	0.27	0.28
Philippines	0.41	0.60	0.50	0.64	0.83	0.82	0.83	1.06	1.30
South Africa	21.38	32.20	22.94	21.67	21.36	21.85	21.86	21.52	20.52
Zimbabwe	0.56	0.44	0.35	0.37	0.43	0.45	0.48	0.47	0.48
<b>Communist countries</b>									
USSR	3.63	6.78	8.07	9.45	9.77	9.93	10.10	10.32	10.48

**Table 130**  
**Platinum-Group Metals Production***Thousand troy ounces*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>a</sup>	24	17	19	3	8	6	15	10	NA
Canada	460	482	399	411	228	224	348	337	281
South Africa <sup>b</sup>	406	1,500	2,600	3,100	2,600	2,600	3,500	3,700	3,600
USSR	1,000	2,500	3,300	3,700	4,100	4,200	4,300	3,800	3,850

<sup>a</sup> Crude placer platinum and byproduct metals recovered largely from domestic copper refining.<sup>b</sup> Platinum-group metals from platinum ores and osmium and iridium from gold ores.**Table 131**  
**Molybdenum Production <sup>a</sup>***Metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
OECD	32,000	66,400	61,200	80,300	52,300	25,700	58,700	57,100	53,600
United States	31,000	50,500	48,100	68,351	38,275	15,400	47,021	49,174	40,680
Canada <sup>b</sup>	348	15,300	13,000	11,900	13,961	10,194	11,557	7,852	12,900
Japan	381	264	140	56	97	97	147	98	0
Other countries									
Chile	2,014	5,700	9,090	13,668	20,048	15,264	16,861	18,389	16,316
Peru	NEGL	607	651	2,688	2,915	2,642	2,947	4,036	3,484
Communist countries									
USSR	4,800	9,500	10,500	12,000	12,300	12,600	13,000	11,300	11,400

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

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**Table 132**  
**Caustic Soda Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	4,510	9,200	8,694	10,529	8,514	9,107	9,901	9,942	9,933
Canada	338	860	845	1,459	1,367	1,528	1,586	1,591	1,680
Japan	869	2,685	2,948	3,157	2,792	2,863	3,085	3,074	3,076
<b>European Community</b>									
France	597	1,094	1,120	1,333	1,402	1,336	1,633	1,468	1,460
Italy	429	999	1,002	953	862	1,009	1,073	1,031	1,030
West Germany	776	1,682	2,489	3,176	3,026	3,350	3,612	3,697	3,696
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,420</b>	<b>3,140</b>	<b>4,220</b>	<b>5,200</b>	<b>5,260</b>	<b>5,350</b>	<b>5,540</b>	<b>5,630</b>	NA
USSR	704	1,783	2,395	2,755	2,783	2,853	2,972	3,056	3,229
Eastern Europe	<b>716</b>	<b>1,360</b>	<b>1,830</b>	<b>2,440</b>	<b>2,480</b>	<b>2,490</b>	<b>2,560</b>	<b>2,570</b>	NA
Bulgaria	17	46	84	162	155	147	163	151	144
Czechoslovakia	115	189	257	325	324	330	329	332	335
East Germany	327	413	442	626	695	687	694	667	638
Hungary <sup>b</sup>	16	67	89	189	178	192	194	194	202
Poland	167	313	392	415	363	392	379	414	427
Romania	74	330	566	723	760	745	805	814	NA
<b>Other</b>									
China	407	892	1,289	1,923	2,073	2,123	2,222	2,353	2,270
Cuba	NA	4	4	3	11	16	18	14	14
Yugoslavia	48	93	97	136	169	171	191	188	198

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

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

**Table 133**  
**Synthetic Ammonia Production <sup>a</sup>**

*Thousand metric tons of N*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	3,595 <sup>b</sup>	10,315	12,232	14,664	11,771	10,500	12,462	12,923	10,450
Canada	382 <sup>b</sup>	1,007	1,336	2,556	2,509	2,888	3,493	NA	NA
Japan	1,059	2,682	2,990	2,110	1,653	1,546	1,669	1,628	1,477
France	724	1,619	1,941	2,085	1,900	1,960	1,959	NA	NA
Italy	724	1,272	1,452	1,409	1,048	932	1,209	1,215	1,530
Netherlands	410	1,340	1,908	2,275	2,010	2,121	2,819	NA	NA
West Germany	1,242	1,821	1,981	2,044	1,570	1,703	1,963	1,908	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>2,180</b>	<b>10,400</b>	<b>16,200</b>	<b>21,300</b>	<b>22,300</b>	<b>25,000</b>	<b>26,000</b>	<b>26,700</b>	NA
USSR	1,138	6,282	9,868	13,762	14,605	16,904	17,677	18,232	19,400
Eastern Europe	<b>1,040</b>	<b>4,090</b>	<b>6,340</b>	<b>7,560</b>	<b>7,680</b>	<b>8,110</b>	<b>8,340</b>	<b>8,500</b>	NA
Bulgaria	111	788	935	1,009	1,033	1,124	1,138	1,138	NA
Czechoslovakia	153	432	710	841	726	809	827	994	NA
East Germany	392	481	919	1,181	1,167	1,210	1,207	1,210	NA
Hungary	67	414	513	795	791	812	813	790	NA
Poland	285	1,187	1,707	1,483	1,384	1,430	1,499	1,490	NA
Romania	29	792	1,559	2,247	2,583	2,723	2,857	2,876	NA
<b>Other</b>									
China <sup>c</sup>	490	2,970	5,911	12,150	12,430	NA	NA	NA	NA
Yugoslavia	12	285	391	405	424	411	501	630	NA

<sup>a</sup> Unless otherwise indicated, nitrogen content of synthetic ammonia. To convert to actual production of synthetic ammonia, multiply by 1.2158.

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

<sup>c</sup> Including only ammonia produced for fertilizer.



**Table 134**  
**Sulfuric Acid Production <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>38,700</b>	<b>61,600</b>	<b>64,900</b>	<b>80,500</b>	<b>66,100</b>	<b>70,600</b>	<b>76,600</b>	<b>74,000</b>	<b>69,600</b>
United States <sup>b</sup>	16,223	26,785	29,357	40,059	30,148	33,982	38,005	35,971	33,404
Canada	1,517	2,475	2,723	4,295	3,085	3,679	4,054	3,896	3,580
Japan	4,452	6,925	5,997	6,778	6,530	6,662	6,457	6,559	6,510
European Community	<b>14,200</b>	<b>21,300</b>	<b>22,200</b>	<b>24,600</b>	<b>21,100</b>	<b>21,300</b>	<b>22,800</b>	<b>22,100</b>	<b>20,600</b>
France	2,046	3,682	3,758	4,950	4,166	4,309	4,531	4,252	4,010
Italy	2,299	3,327	3,006	2,827	2,221	2,339	2,540	2,520	2,380
Spain	1,132	2,021	3,624	3,052	2,870	2,860	3,407	3,390	3,320
United Kingdom	2,745	3,352	3,166	3,380	2,587	2,629	2,654	2,555	2,330
West Germany	3,170	4,435	4,157	4,777	4,411	4,339	4,309	4,200	4,014
<b>Other countries</b>									
Mexico	249	1,235	2,047	2,351	2,732	2,996	3,196	2,222	2,160
South Korea	5	388	550	1,702	1,597	1,610	1,975	2,028	1,897
<b>Communist countries</b>									
USSR and Eastern Europe	<b>7,890</b>	<b>18,100</b>	<b>27,200</b>	<b>31,500</b>	<b>31,700</b>	<b>33,100</b>	<b>33,600</b>	<b>34,200</b>	NA
USSR	5,398	12,059	18,645	23,033	23,801	24,714	25,338	26,037	27,900
Eastern Europe	<b>2,500</b>	<b>6,060</b>	<b>8,590</b>	<b>8,460</b>	<b>7,940</b>	<b>8,360</b>	<b>8,270</b>	<b>8,210</b>	NA
Bulgaria	123	502	784	852	916	861	908	810	806
Czechoslovakia	553	1,110	1,245	1,285	1,252	1,244	1,246	1,297	1,292
East Germany	730	1,099	1,002	958	920	926	885	883	883
Hungary	178	457	630	590	571	606	549	520	543
Poland	685	1,901	3,413	3,019	2,676	2,786	2,769	2,863	2,969
Romania	226	994	1,448	1,756	1,600	1,941	1,915	1,835	NA
Other									
China	1,330	2,914	4,847	7,643	8,175	8,696	8,172	6,764	7,510
Cuba	NA	322	418	401	332	356	336	373	370
Yugoslavia	121	696	935	1,186	1,183	1,300	1,471	1,489	1,595

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

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

**Table 135**  
**Chemical Fertilizer Production, Nutrient Content <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>	<b>22,300</b>	<b>43,300</b>	<b>46,300</b>	<b>59,500</b>	<b>48,900</b>	<b>54,900</b>	<b>58,000</b>	<b>51,400</b>	<b>NA</b>
United States	7,410	15,789	18,221	23,377	17,053	19,955	21,508	17,462	NA
Canada	496	4,465	6,226	9,816	7,711	9,927	10,379	9,450	NA
Japan	1,544	2,770	2,142	1,850	1,741	1,722	1,851	1,692	NA
European Community	<b>11,200</b>	<b>17,400</b>	<b>16,700</b>	<b>20,100</b>	<b>18,300</b>	<b>19,000</b>	<b>19,800</b>	<b>18,600</b>	<b>NA</b>
France	3,021	4,644	4,354	4,924	4,331	4,515	4,646	4,440	NA
Italy	1,110	1,621	1,511	1,837	1,698	1,640	1,880	1,625	NA
Spain	674	1,604	1,794	2,148	2,007	1,871	2,114	2,091	NA
West Germany	3,897	4,743	3,756	4,824	3,882	4,325	4,398	4,078	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>6,510</b>	<b>20,800</b>	<b>33,000</b>	<b>37,200</b>	<b>39,400</b>	<b>42,700</b>	<b>44,000</b>	<b>46,300</b>	<b>NA</b>
USSR <sup>c</sup>	3,281	13,099	21,998	24,767	26,738	29,733	30,808	33,194	34,700
Eastern Europe	<b>3,230</b>	<b>7,720</b>	<b>11,000</b>	<b>12,400</b>	<b>12,600</b>	<b>13,000</b>	<b>13,200</b>	<b>13,100</b>	<b>NA</b>
Bulgaria	127	750	918	947	997	1,035	1,047	1,010	NA
Czechoslovakia	287	680	1,062	1,182	1,114	1,123	1,136	1,051	NA
East Germany	2,166	3,245	3,984	4,735	4,668	4,714	4,732	4,842	NA
Hungary	102	517	690	847	869	901	882	864	NA
Poland	477	1,629	2,581	2,238	2,284	2,324	2,356	2,270	NA
Romania	71	895	1,729	2,451	2,692	2,913	3,073	3,097	NA
<b>Other</b>									
China	389	2,437	5,254	12,321	12,782	13,791	14,610	13,322	12,328
Yugoslavia	45	364	411	439	434	442	473	466	531

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

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

<sup>c</sup> Including some products used for technical purposes and microelement fertilizers not elsewhere included.

**Table 136**  
**Nitrogen Fertilizer Production, Nutrient Content**

*Thousand metric tons of N*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD <sup>a</sup></b>	<b>8,460</b>	<b>19,300</b>	<b>21,200</b>	<b>26,600</b>	<b>23,100</b>	<b>25,600</b>	<b>27,700</b>	<b>24,700</b>	<b>NA</b>
United States	2,739	8,161	9,591	11,825	9,051	10,750	11,694	9,864	NA
Canada	286	726	775	1,755	1,751	2,085	2,456	2,337	NA
Japan	1,030	2,105	1,557	1,202	1,126	1,075	1,210	1,065	NA
European Community	<b>3,800</b>	<b>7,130</b>	<b>7,940</b>	<b>9,710</b>	<b>9,160</b>	<b>9,460</b>	<b>10,100</b>	<b>9,500</b>	<b>NA</b>
Belgium	278	594	610 <sup>b</sup>	743 <sup>b</sup>	755 <sup>b</sup>	706 <sup>b</sup>	715 <sup>b</sup>	795 <sup>b</sup>	NA
France	671	1,351	1,361	1,640	1,530	1,600	1,693	1,600	NA
Italy	658	956	1,000	1,318	1,116	1,081	1,323	1,147	NA
Netherlands	417	930	1,155	1,624	1,505	1,700	1,739	1,480	NA
Spain	110	592	825	960	856	841	990	977	NA
United Kingdom	449	748	1,055	1,167	1,399	1,363	1,360	1,209	NA
West Germany	1,180	1,505	1,259	1,436	1,092	1,207	1,272	1,219	NA
<b>Other countries <sup>a</sup></b>									
India	110	846	1,508	2,164	3,430	3,487	3,917	4,323	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,910</b>	<b>8,740</b>	<b>13,500</b>	<b>16,100</b>	<b>17,700</b>	<b>19,400</b>	<b>19,900</b>	<b>20,700</b>	<b>NA</b>
USSR <sup>c</sup>	1,003	5,423	8,535	10,241	11,593	13,014	13,328	14,223	15,200
Eastern Europe	<b>906</b>	<b>3,320</b>	<b>4,950</b>	<b>5,850</b>	<b>6,150</b>	<b>6,420</b>	<b>6,540</b>	<b>6,500</b>	<b>NA</b>
Bulgaria	86	602	672	730	758	831	836	838	NA
Czechoslovakia	140	296	496	618	568	591	576	526	614
East Germany	334	395	538	943	948	968	959	1,078	NA
Hungary	57	350	421	559	571	594	583	604	584
Poland	270	1,030	1,533	1,290	1,298	1,341	1,369	1,254	1,445
Romania	19	647	1,292	1,707	2,008	2,091	2,212	2,197	NA
<b>Other</b>									
China	196	1,523	3,709	9,993	10,219	11,094	12,210	11,438	10,589
Yugoslavia	4	238	279	296	295	302	357	372	433

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

<sup>b</sup> Including Luxembourg.

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

**Table 137**  
**Phosphate Fertilizer Production, Nutrient Content**

*Thousand metric tons of P<sub>2</sub>O<sub>5</sub>*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD <sup>a</sup></b>	<b>7,960</b>	<b>13,700</b>	<b>13,900</b>	<b>17,800</b>	<b>13,800</b>	<b>15,400</b>	<b>16,100</b>	<b>13,900</b>	<b>NA</b>
United States	2,626	5,369	6,531	6,265	6,363	7,735	8,400	6,680	NA
Australia	569	695	481	829	759	678	641	637	NA
Canada	210	560	610	724	581	687	640	593	NA
Japan	515	665	585	648	615	647	641	627	NA
European Community	<b>3,530</b>	<b>5,470</b>	<b>4,450</b>	<b>4,650</b>	<b>4,200</b>	<b>4,150</b>	<b>4,180</b>	<b>3,900</b>	<b>NA</b>
Belgium	289	745	625 <sup>b</sup>	590 <sup>b</sup>	460 <sup>b</sup>	400 <sup>b</sup>	400 <sup>b</sup>	430 <sup>b</sup>	NA
France <sup>c d</sup>	770	1,451	1,259	1,351	1,200	1,230	1,224	1,090	NA
Italy	399	510	370	424	455	434	421	408	NA
Spain	299	487	456	497	449	383	459	455	NA
West Germany	750	946	649	687	564	552	492	446	NA
<b>Other countries <sup>a</sup></b>									
Brazil	45	162	594	1,582	1,139	1,055	1,484	1,282	NA
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>1,850</b>	<b>5,500</b>	<b>8,120</b>	<b>9,080</b>	<b>9,530</b>	<b>10,000</b>	<b>10,400</b>	<b>11,200</b>	<b>NA</b>
USSR <sup>e</sup>	1,192	3,585	5,511	6,455	7,057	7,417	7,695	8,596	9,100
Eastern Europe	<b>658</b>	<b>1,910</b>	<b>2,610</b>	<b>2,630</b>	<b>2,470</b>	<b>2,620</b>	<b>2,660</b>	<b>2,590</b>	<b>NA</b>
Bulgaria	41	148	246	217	239	204	211	172	NA
Czechoslovakia <sup>e</sup>	147	322	398	361	335	326	344	310	307
East Germany <sup>e</sup>	166	430	427	370	286	315	308	299	NA
Hungary	45	167	206	149	156	167	160	130	163
Poland	207	599	929	843	868	872	869	889	948
Romania	52	244	404	687	590	733	765	788	NA
<b>Other</b>									
China <sup>e</sup>	193	907	1,531	2,308	2,537	2,666	2,360	1,760	NA
Yugoslavia	41	126	132	143	139	140	116	94	98

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

<sup>b</sup> Including Luxembourg.

<sup>c</sup> Including production of ground phosphate rock for direct application and phosphate animal feeds.

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

**Table 138**  
**Potassium Fertilizer Production, Nutrient Content**

*Thousand metric tons of K<sub>2</sub>O*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD<sup>a</sup></b>	<b>5,920</b>	<b>10,300</b>	<b>11,200</b>	<b>15,100</b>	<b>11,900</b>	<b>14,000</b>	<b>14,200</b>	<b>12,900</b>	<b>NA</b>
United States	2,045	2,259	2,099	2,052	1,639	1,470	1,414	1,098	NA
Canada	0	3,179	4,842	7,337	5,379	7,155	7,283	6,520	NA
European Community	<b>3,870</b>	<b>4,820</b>	<b>4,270</b>	<b>5,730</b>	<b>4,920</b>	<b>5,340</b>	<b>5,490</b>	<b>5,240</b>	<b>NA</b>
France	1,581	1,842	1,734	1,933	1,601	1,685	1,729	1,750	NA
Spain	265	525	512	691	702	647	665	659	NA
West Germany <sup>b</sup>	1,967	2,293	1,848	2,701	2,226	2,566	2,634	2,413	NA
<b>Other countries<sup>a</sup></b>									
Israel	92	576	712	812	940	956	1,166	1,260	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>2,750</b>	<b>6,570</b>	<b>11,300</b>	<b>12,000</b>	<b>12,100</b>	<b>13,300</b>	<b>13,800</b>	<b>14,400</b>	<b>NA</b>
USSR <sup>c</sup>	1,084	4,087	7,944	8,064	8,079	9,294	9,776	10,367	10,400
Eastern Europe	<b>1,670</b>	<b>2,490</b>	<b>3,400</b>	<b>3,930</b>	<b>4,000</b>	<b>3,980</b>	<b>4,030</b>	<b>4,050</b>	<b>NA</b>
Czechoslovakia <sup>d</sup>	0	62	168	203	211	206	216	215	NA
East Germany	1,666	2,420	3,019	3,422	3,434	3,431	3,465	3,465	NA
Hungary <sup>d</sup>	0	0	63	139	142	140	139	130	NA
Poland <sup>d</sup>	0	0	119	105	118	111	118	127	NA
Romania <sup>d</sup>	0	4	33	57	94	89	96	112	NA
<b>Other</b>									
China	0	7	14	20	26	31	40	NA	NA

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

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

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

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

**Table 139**  
**Plastics Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	2,850	9,660	10,206	12,786	12,912	14,729	15,956	16,594	16,700
Japan	556	5,128	4,373	6,422	5,986	6,504	7,424	7,301	7,280
<b>European Community</b>									
Belgium	46	419	678	1,835	2,023	2,246	2,374	2,498	2,750
Italy	346	1,567	2,053	2,464	2,142	2,436	2,718	2,640	2,650
Netherlands	116	795	1,350	1,975	2,502	2,777	2,641	2,450	NA
West Germany	982	4,321	5,046	6,710	6,275	7,031	7,409	7,553	7,850
<b>Communist countries</b>									
USSR and Eastern Europe	560	2,860	4,920	7,110	7,710	8,380	8,980	9,200	NA
USSR <sup>b</sup>	312	1,670	2,838	3,637	4,058	4,419	4,819	5,019	5,344
<b>Eastern Europe</b>	248	1,190	2,080	3,470	3,650	3,960	4,170	4,180	NA
Bulgaria	7	89	156	255	337	398	430	406	NA
Czechoslovakia	64	245	428	894	956	1,002	1,039	1,103	1,140
East Germany	115	370	605	861	990	1,045	1,056	1,048	1,045
Hungary	10	56	124	328	326	345	385	389	423
Poland	40	224	421	549	451	535	601	603	631
Romania	12	206	347	579	591	633	655	628	NA
<b>Other</b>									
China	54	176	330	898	1,003	1,121	1,180	1,234	1,290
Yugoslavia	15	97	160	483	489	466	551	586	647

<sup>a</sup> Dry basis, excluding water, solvents, and other liquid diluents.<sup>b</sup> Including resins for manmade fibers.**Table 140**  
**Natural Rubber Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
India	25.2	89.9	136.0	155.4	165.9	168.0	183.9	198.3	200.0
Indonesia <sup>a</sup>	620.3	815.2	822.5	1,020.0	880.0	997.2	1,115.6	1,130.2	990.0
Malaysia <sup>b</sup>	755.7	1,269.2	1,459.3	1,530.0	1,494.2	1,563.7	1,530.6	1,471.4	1,540.4
Sri Lanka	98.8	159.2	148.8	133.2	126.2	140.0	141.9	137.5	140.0
Thailand <sup>a</sup>	170.8	318.8	355.0	501.1	552.2	587.2	628.6	725.7	775.0

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

**Table 141**  
**Synthetic Rubber Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>1,910</b>	<b>4,550</b>	<b>4,480</b>	<b>5,420</b>	<b>4,730</b>	<b>5,050</b>	<b>5,580</b>	<b>5,400</b>	<b>5,510</b>
United States	1,459	2,232	1,990	2,215	1,817	1,987	2,219	2,026	2,145
Canada	162	205	173	253	182	182	218	209	188
Japan	23	698	789	1,094	931	1,002	1,160	1,158	1,140
European Community	<b>269</b>	<b>1,380</b>	<b>1,470</b>	<b>1,770</b>	<b>1,690</b>	<b>1,780</b>	<b>1,880</b>	<b>1,900</b>	<b>1,920</b>
France	17	316	350	511	479	514	551	544	542
Italy	67	155	200	250	210	220	215	225	245
Netherlands	12	200	216	212	203	196	207	235	205
United Kingdom	92	316	261	212	246	262	289	270	289
West Germany	81	302	316	390	384	418	438	448	452
<b>Other countries</b>									
Brazil	0	75	129	249	228	221	258	266	280
Mexico	0	44	60	91	100	124	139	146	148
<b>Communist countries</b>									
USSR and Eastern Europe	<b>485</b>	<b>1,330</b>	<b>2,100</b>	<b>2,550</b>	<b>2,430</b>	<b>2,480</b>	<b>2,610</b>	<b>2,640</b>	<b>2,760</b>
USSR	378	1,035	1,676	2,040	1,950	1,970	2,085	2,125	2,250
Eastern Europe	<b>107</b>	<b>295</b>	<b>427</b>	<b>508</b>	<b>484</b>	<b>514</b>	<b>527</b>	<b>518</b>	<b>510</b>
Bulgaria	0	4	19	30	25	25	26	26	26
Czechoslovakia	0	50	57	60	66	67	71	70	76
East Germany	87	118	144	150	155	155	152	140	130
Poland	20	62	108	118	100	120	119	126	116
Romania	0	61	99	150	138	147	159	156	162

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**Table 142**  
**Synthetic Fibers Production <sup>a</sup>**

*Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	307.2	1,626.7	2,664.4	3,571.4	2,922.4	3,416.0	3,389.1	3,430.7	3,544.9
Japan	118.3	1,027.9	1,062.0	1,400.4	1,294.8	1,438.8	1,414.8	1,446.0	1,524.0
European Community	<b>208</b>	<b>1,430</b>	<b>1,830</b>	<b>2,030</b>	<b>2,000</b>	<b>2,130</b>	<b>2,210</b>	<b>2,300</b>	<b>2,260</b>
France	45.3	175.2	208.8	224.4	205.2	207.6	213.6	202.8	183.6
Italy	33.7	241.7	316.8	399.6	489.6	540.0	597.6	672.0	681.2
United Kingdom <sup>b</sup>	61.0	336.9	361.2	288.0	202.8	225.6	234.0	231.6	207.6
West Germany	52.3	497.0	633.6	721.2	702.0	758.4	770.4	796.8	788.4
<b>Other countries</b>									
South Korea	NEGL	46.2	267.9	537.6	612.0	663.6	NA	NA	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>35.5</b>	<b>361</b>	<b>819</b>	<b>1,200</b>	<b>1,310</b>	<b>1,400</b>	NA	NA	NA
USSR	15.0	167.0	365.0	570.0	655.0	708.0	744.0	789.0	840.0
Eastern Europe	<b>20.5</b>	<b>194</b>	<b>454</b>	<b>630</b>	<b>650</b>	<b>688</b>	NA	NA	NA
Bulgaria	0	23.1	41.7	55.5	62.1	61.9	NA	NA	NA
Czechoslovakia	3.4	31.4	69.4	110.0	125.0	129.0	134.0	137.0	NA
East Germany	7.8	47.3	111.8	138.7	149.0	151.0	154.0	158.0	NA
Hungary	0.4	5.6	11.3	20.4	20.4	22.8	21.6	22.8	24.0
Poland	8.0	57.5	124.2	168.0	134.5	152.4	160.3	164.0	NA
Romania	0.9	29.5	95.6	141.0	159.7	171.2	281.3	257.2	NA
<b>Other</b>									
Yugoslavia	NA	8.7	18.5	49.9	61.2	74.1	100.0	99.0	97.3

<sup>a</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>b</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 143**  
**Electric Generator Production <sup>a</sup>***Thousand kilowatts*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>b</sup>	12,899	27,565	30,496	21,122	9,967	12,170	11,028	7,255	NA
<b>Communist countries</b>									
USSR	7,900	10,578	17,100	16,100	12,700	12,600	13,700	12,300	14,900
Bulgaria	29	37	32	71	228	85	90	145	NA
Czechoslovakia <sup>c</sup>	1,391	1,487	1,474	879	1,189	892	864	NA	NA
Hungary <sup>c d</sup>	357	473	752	487	428	NA	518	NA	NA
Romania	83	747	1,479	1,111	929	606	1,011	788	NA
China	NA	2,918	4,965	4,193	1,645	2,740	4,674	5,610	7,120

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

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

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

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

**Table 144**  
**Turbine Production <sup>a</sup>***Thousand kilowatts*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>b</sup>	12,899	27,565	30,496	21,122	9,967	12,170	11,028	7,255	NA
<b>Communist countries</b>									
USSR <sup>c</sup>	9,200	16,191	18,886	19,600	17,300	15,500	21,300	21,600	21,900
Czechoslovakia	1,555	2,239	1,720	1,120	2,104	1,503	1,896	2,576	NA
Poland <sup>d</sup>	186	471	1,820	1,318	893	587	NA	NA	NA
Romania <sup>e</sup>	98	121	712	497	337	597	257	NA	332
NA									

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

<sup>b</sup> Shipments of units 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>c</sup> Including a number of gas turbines.

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

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

**Table 145**  
**Housing Construction***Million square meters*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>a</sup>	145.4	152.3	159.0	182.3	120.0	171.6	201.0	207.9	219.1
USSR <sup>b</sup>	109.6	106.0	109.9	105.0	107.9	112.4	112.5	113.0	118.2

<sup>a</sup> Housing production measured in square meters based on U.S. Census data for housing completions. Average unit size corrected to conform to Soviet "useful space" concept. Data does not include mobile homes.

<sup>b</sup> Total "useful" housing space, which includes all interior space of living units but excludes space at exterior halls, service areas, and walls.

**Table 146**  
**Metalcutting Machine Tool Production <sup>a</sup>***Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>b</sup>	42.91	49.31	64.32	61.37	49.10	35.40	34.45	33.82	35.00
Communist countries									
USSR and Eastern Europe									
USSR	155.92	202.16	231.35	216.00	195.00	190.00	188.00	182.00	163.00
Eastern Europe									
Bulgaria	3.15	13.94	16.28	18.87	17.90	15.12	15.20	17.20	19.46
Czechoslovakia	30.23	35.19	29.66	36.90	37.10	35.40	37.00	37.20	37.60
East Germany	41.90	22.22	19.72	17.50	18.00	20.40	20.70	21.90	23.21
Hungary	9.78	14.48	12.83	10.20	13.10	13.10	13.10	10.70	10.70
Poland	22.47	29.73	33.19	28.20	32.20	39.30	47.10	48.70	50.35
Romania	4.44	14.14	28.27	29.40	37.90	59.00	80.20	89.40	90.80
Other									
China	153.50	138.90	174.90	133.60	99.80	121.00	133.50	167.20	159.00

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

<sup>b</sup> Average value of \$1,000 and over for 1960-75 and beginning in 1980, \$2,500 and over.

**Table 147**  
**Metalforming Machine Tool Production <sup>a</sup>**

*Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>b</sup>	19.3	24.2	26.8	30.3	18.3	31.5	34.1	17.8	38.3
USSR	29.9	41.3	50.5	57.2	57.3	57.4	55.3	52.7	51.4

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

<sup>b</sup> Average value of \$1,000 and over for 1960-75 and beginning in 1980, \$2,500 and over.

**Table 148**  
**Grain Combine Production <sup>a</sup>**

*Units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
United States <sup>b</sup>	30,165	21,017	31,259	28,502	22,726	13,673	11,296	7,117	NA
Communist Countries									
USSR and Eastern Europe	<b>67,000</b>	<b>103,000</b>	<b>108,000</b>	NA	NA	NA	NA	NA	NA
USSR	59,000	99,200	97,500	117,000	112,000	118,000	118,000	112,000	112,000
Eastern Europe	<b>8,040</b>	<b>4,230</b>	<b>10,800</b>	NA	NA	NA	NA	NA	NA
East Germany	1,972	900	1,500	NA	NA	NA	NA	NA	NA
Poland	564	2,155	3,591	4,593	4,500	4,550	4,800	5,132	NA
Romania	5,500	1,179	5,659	4,890	4,800	5,094	4,900	6,806	NA

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

<sup>b</sup> Shipments.

**Table 149**  
**Tractor Production <sup>a</sup>***Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	178.5	191.7	232.0	155.4	80.8	51.9	57.4	38.4	NA
Japan	NA	33.8 <sup>b</sup>	207.3	203.0	179.4	171.0	201.4	209.7	209.1
<b>European Community</b>									
France	63.4	68.8	55.8	39.1	40.2	38.6	36.2	32.6	25.6
Italy	37.6	84.8	116.4	128.3	92.8	88.4	94.8	97.9	89.3
United Kingdom <sup>c</sup>	181.0	160.7	141.7	103.3	91.0	89.0	102.0	102.0	86.8
West Germany <sup>d</sup>	120.7	105.4	114.1	94.6	93.4	98.3	80.6	86.0	81.9
<b>Communist countries</b>									
USSR and Eastern Europe	<b>308</b>	<b>569</b>	<b>697</b>	<b>728</b>	<b>724</b>	<b>741</b>	<b>748</b>	<b>758</b>	<b>NA</b>
USSR	238.5	458.5	550.4	555.0	555.0	564.0	571.0	585.0	595.0
Eastern Europe	<b>70.0</b>	<b>111</b>	<b>147</b>	<b>173</b>	<b>169</b>	<b>177</b>	<b>178</b>	<b>172</b>	<b>NA</b>
Bulgaria	0	3.5	5.1	6.8	6.2	5.9	5.8	5.4	5.1
Czechoslovakia	32.5	18.5	29.6	33.4	33.5	34.2	34.2	35.2	37.0
East Germany	9.1	16.4	4.0	4.4	4.4	3.7	2.1	2.6	NA
Hungary	2.6	1.9	0.6	0.1	0.3	0.4	0.1	0.3	0.4
Poland	8.7	41.0	57.6	57.5	53.0	55.5	58.8	59.0	61.8
Romania	17.1	29.3	50.0	70.9	71.8	77.1	76.5	70.0	NA
<b>Other</b>									
China	10.8	24.0	NA	98.0	40.0	37.0	39.7	44.6	33.9
Yugoslavia	7.3	12.0	33.2	50.7	52.3	55.9	59.7	56.6	55.0

<sup>a</sup> Excluding garden-type tractors.<sup>b</sup> Data are for 1971.<sup>c</sup> Shipments.<sup>d</sup> Excluding single-axle tractors.

**Table 150**  
**Passenger Automobile Production***Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	6,675	6,547	6,713	6,400	5,049	6,739	7,621	8,002	7,516
Canada	326	923	1,045	847	808	969	1,033	1,075	1,061
Japan	165	3,179	4,568	7,038	6,882	7,152	7,073	7,645	7,836
<b>European Community</b>	<b>4,960</b>	<b>9,870</b>	<b>9,200</b>	<b>10,500</b>	<b>10,100</b>	<b>10,800</b>	<b>10,300</b>	<b>10,700</b>	<b>11,600</b>
France	1,136	2,458	2,951	3,487	3,086	3,228	2,910	2,784	2,994
Italy <sup>b</sup>	596	1,720	1,348	1,445	1,296	1,396	1,436	1,354	1,800
Spain	NA	455	702	1,048	944	1,136	1,174	1,217	1,390
United Kingdom	1,353	1,641	1,268	924	888	1,045	910	1,048	1,019
West Germany	1,817	3,528	2,905	3,512	3,772	3,875	3,784	4,165	4,273
<b>Other countries</b>									
Brazil <sup>c</sup>	57	255	554	652	686	685	666	460	508
Mexico <sup>c</sup>	NA	137	262	316	324	214	244	289	207
South Korea <sup>c</sup>	NA	NA	NA	58	99	128	167	262	457
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>272</b>	<b>710</b>	<b>1,780</b>	<b>2,140</b>	<b>2,010</b>	<b>2,060</b>	<b>2,130</b>	<b>2,160</b>	<b>NA</b>
USSR	139	344	1,201	1,327	1,307	1,315	1,327	1,332	1,326
<b>Eastern Europe</b>	<b>133</b>	<b>366</b>	<b>581</b>	<b>815</b>	<b>704</b>	<b>740</b>	<b>802</b>	<b>826</b>	<b>NA</b>
Bulgaria	0	8	15	15	15	15	16	15	18
Czechoslovakia	56	143	175	184	174	178	180	184	184
East Germany	64	127	159	177	183	188	202	210	217
Poland <sup>d</sup>	12	64	164	351	228	269	279	283	290
Romania <sup>e</sup>	1	24	68	88	104	90	125	134	NA
<b>Other</b>									
Yugoslavia <sup>e</sup>	4	111	183	255	213	220	244	229	226

<sup>a</sup> Factory sales. Starting in 1980 excluding passenger vans.<sup>b</sup> Excluding production for the armed forces.<sup>c</sup> Including vehicles assembled from imported parts.<sup>d</sup> Excluding special passenger cars.<sup>e</sup> Including jeeps.

**Table 151**  
**Truck and Bus Production <sup>a</sup>**

*Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD <sup>b</sup></b>									
United States <sup>c</sup>	1,194	1,692	2,272	1,667	1,906	2,414	3,075	3,357	3,393
Canada	72	236	379	528	468	554	809	856	870
Japan	595	2,126	2,376	4,006	3,857	3,966	4,037	4,711	4,470
European Community	<b>1,000</b>	<b>1,290</b>	<b>1,240</b>	<b>1,620</b>	<b>1,250</b>	<b>1,090</b>	<b>1,120</b>	<b>1,380</b>	<b>1,390</b>
France	234	292	336	505	446	332	424	460	500
Italy <sup>d</sup>	49	134	109	167	156	179	160	185	190
Spain	17	77	113	146	102	31	32	154	230
United Kingdom	458	458	380	389	269	245	224	266	236
West Germany	238	318	288	380	258	283	264	295	211
<b>Other countries</b>									
Brazil	76	161	395	516	346	319	329	508	610
<b>Communist countries</b>									
USSR and Eastern Europe	<b>452</b>	<b>728</b>	<b>977</b>	<b>1,080</b>	NA	NA	NA	NA	NA
USSR	385	572	763	872	866	875	880	900	1,300
Eastern Europe	<b>67</b>	<b>156</b>	<b>214</b>	<b>210</b>	NA	NA	NA	NA	NA
Bulgaria	0	3	6	7	7	8	8	8	NA
Czechoslovakia <sup>e</sup>	18	27	33	46	47	43	47	48	49
East Germany	13	27	38	40	38	40	41	46	46
Hungary <sup>e</sup>	4	10	13	14	13	12	13	14	15
Poland	23	53	85	67	48	52	55	49	55
Romania	9	37	39	36	NA	NA	NA	NA	NA
<b>Other</b>									
China <sup>f</sup>	15	70	133	136	122	137	182	269	230
North Korea	3	8	10	12	14	15	16	16	16
Yugoslavia	6	17	19	21	20	16	16	16	15

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

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

<sup>c</sup> Factory sales, including passenger vans starting in 1980.

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

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

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

**Table 152**  
**Railroad Freight Car Production <sup>a</sup>**

*Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	57.31	66.18	72.39	85.92	17.24	5.77	12.40	12.08	11.51
<b>European Community</b>									
France <sup>b</sup>	7.93	14.23	9.62	5.60	3.83	3.00	2.90	1.68	2.51
West Germany	6.63	9.60	6.96	10.60	NA	2.75	NA	NA	NA
<b>Other countries</b>									
India <sup>c</sup>	11.90	11.98	12.24	11.40	15.80	16.40	15.40	15.00	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>64.7</b>	<b>97.3</b>	<b>117</b>	<b>106</b>	<b>88.1</b>	<b>87.6</b>	<b>88.4</b>	NA	NA
USSR	36.40	58.30	69.90	63.00	58.60	58.40	58.60	58.70	NA
Eastern Europe	<b>28.3</b>	<b>39.0</b>	<b>47.4</b>	<b>42.6</b>	<b>29.5</b>	<b>29.2</b>	<b>29.8</b>	NA	NA
Bulgaria	2.01	1.99	2.51	3.00	2.98	3.10	2.77	2.90	NA
Czechoslovakia	5.15	4.35	5.03	7.27	6.52	5.57	5.53	5.89	NA
East Germany	2.14	5.51	5.03	3.87	3.59	3.13	3.11	3.29	NA
Hungary	0.45	0.50	0.48	0.03	0.01	0.01	0.01	0.01	NA
Poland	13.90	15.46	18.74	15.22	6.37	6.05	6.36	6.80	6.92
Romania	4.62	11.16	15.59	13.24	10.03	11.30	12.00	NA	NA
<b>Other</b>									
China	23.00	8.00	14.50	10.57	10.56	15.78	18.10	19.30	NA
North Korea	0.60	3.50	4.00	4.50	4.70	4.80	4.90	4.90	4.90
Yugoslavia	3.42	2.61	3.33	2.13	3.03	3.16	NA	NA	1.48

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

<sup>b</sup> Shipments.

<sup>c</sup> Four wheelers only.



**Table 153**  
**Rubber Tire Production <sup>a</sup>***Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	123,059	193,971	191,999	159,263	178,500	186,923	209,375	195,972	191,040
Japan <sup>c</sup>	10,100	63,828	74,580	113,004	125,292	134,616	135,360	146,940	132,680
<b>European Community</b>									
France <sup>d</sup>	16,518	39,415	39,365	50,544	41,484	47,328	44,316	46,244	51,132
Italy <sup>c</sup>	NA	22,383	25,716	52,320	44,364	37,944	39,900	41,112	42,390
United Kingdom <sup>c</sup>	15,904	30,540	26,008	26,346	24,376	23,976	24,115	24,220	25,643
West Germany <sup>c</sup>	14,745	37,548	32,016	37,800	36,336	37,884	39,252	40,260	42,780
<b>Communist countries</b>									
USSR and Eastern Europe	<b>25,300</b>	<b>52,300</b>	<b>76,900</b>	<b>89,900</b>	<b>88,700</b>	<b>90,700</b>	<b>95,200</b>	<b>98,900</b>	NA
USSR	17,225	34,620	51,480	60,100	61,700	62,000	63,700	65,200	66,000
Eastern Europe	<b>8,070</b>	<b>17,700</b>	<b>25,400</b>	<b>29,800</b>	<b>27,100</b>	<b>28,700</b>	<b>31,500</b>	<b>33,700</b>	NA
Bulgaria	204	919	1,736	2,117	2,212	2,317	2,415	2,479	NA
Czechoslovakia	2,387	3,933	5,945	6,740	6,198	6,217	6,500	6,311	NA
East Germany	2,714	4,692	6,272	7,067	7,051	7,380	7,784	8,364	8,580
Hungary	551	1,090	1,013	840	735	735	794	825	857
Poland	1,862	4,516	6,644	8,020	5,322	6,695	8,103	8,541	NA
Romania	351	2,508	3,786	5,046	5,445	5,346	5,882	7,210	NA
<b>Other</b>									
China	NA	4,200	7,000	11,000	8,640	12,710	15,345	18,527	19,932
Cuba	325	202	368	387	218	353	450	472	470
Yugoslavia	391	2,763	5,110	9,584	9,388	9,423	9,858	11,194	11,632

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

<sup>b</sup> Excludes motorcycle tires after 1975.

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

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

**Table 154**  
**Cement Production <sup>a</sup>***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>186</b>	<b>318</b>	<b>336</b>	<b>383</b>	<b>354</b>	<b>358</b>	<b>354</b>	<b>341</b>	<b>346</b>
United States	56.06	67.43	61.82	68.24	57.47	63.88	70.49	70.66	72.39
Canada	5.34	7.28	9.74	10.34	8.14	7.80	8.86	9.67	10.50
Japan	22.54	57.19	65.52	87.96	79.21	80.89	78.85	72.86	70.22
Turkey	2.04	6.37	10.86	14.81	15.72	13.60	15.74	17.41	18.48
European Community	<b>85.4</b>	<b>156</b>	<b>164</b>	<b>181</b>	<b>172</b>	<b>171</b>	<b>160</b>	<b>150</b>	<b>152</b>
Belgium	4.39	6.73	6.89	7.49	6.32	5.72	5.72	5.54	6.16
France	14.35	29.01	29.71	29.10	26.15	24.50	22.72	22.22	22.58
Italy	16.01	33.08	34.24	41.86	40.25	39.77	38.30	37.15	36.63
Spain	5.23	16.70	24.10	28.01	29.60	31.21	25.50	21.88	21.75
United Kingdom	13.50	17.17	16.90	14.81	12.96	13.39	13.49	12.24	13.42
West Germany	24.90	38.32	33.50	34.26	30.37	29.57	28.63	25.60	26.51
<b>Other countries</b>									
Brazil	4.74	9.00	16.74	27.19	25.44	20.88	19.49	20.62	23.53
India	7.84	13.96	16.24	17.70	22.50	25.36	29.03	25.90	32.86
Mexico	3.09	7.27	11.70	16.26	19.10	17.03	18.38	19.97	19.60
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>68.4</b>	<b>137</b>	<b>180</b>	<b>191</b>	<b>186</b>	<b>190</b>	<b>193</b>	<b>189</b>	<b>NA</b>
USSR	45.52	95.25	122.06	125.05	123.68	128.16	130.00	131.00	135.00
Eastern Europe	<b>22.9</b>	<b>42.1</b>	<b>58.1</b>	<b>66.0</b>	<b>62.0</b>	<b>61.4</b>	<b>62.6</b>	<b>58.0</b>	<b>NA</b>
Bulgaria	1.59	3.67	4.36	5.36	5.62	5.64	5.71	5.22	5.7
Czechoslovakia	5.05	7.40	9.30	10.55	10.32	10.50	10.53	10.27	10.3
East Germany	5.03	7.98	10.66	12.44	11.72	11.78	11.56	11.60	12.00
Hungary	1.57	2.77	3.76	4.66	4.37	4.25	4.14	3.68	3.85
Poland	6.60	12.18	18.54	18.44	16.03	16.16	16.66	15.00	15.83
Romania	3.05	8.13	11.52	14.60	13.93	13.03	14.02	12.20	NA
<b>Other</b>									
China	15.65	25.75	46.26	79.86	95.20	108.25	123.02	145.95	161.56
Cuba	0.80	0.74	2.08	2.83	3.16	3.10	3.34	3.20	3.0
North Korea	2.30	2.80	5.00	6.60	7.40	7.70	8.00	8.50	NA
Yugoslavia	2.40	4.40	7.07	9.31	9.72	9.59	9.31	9.01	9.12

<sup>a</sup> All types of hydraulic cements used in construction.

**Table 155**  
**Newsprint Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>12,700</b>	<b>18,800</b>	<b>17,400</b>	<b>22,000</b>	<b>21,300</b>	<b>22,000</b>	<b>23,600</b>	<b>23,700</b>	<b>24,500</b>
United States	1,818	3,035	3,153	4,239	4,574	4,688	5,025	4,924	5,108
Australia	90	173	196	222	364	376	378	372	368
Canada	6,068	7,996	7,056	8,621	8,117	8,486	9,013	8,988	9,289
Finland	781	1,305	1,028	1,430	1,297	1,285	1,538	1,489	1,314
Japan	732	1,917	2,160	2,674	2,580	2,562	2,554	2,592	2,735
New Zealand	91	214	219	319	322	322	320	320	320
Norway	226	554	436	588	662	704	841	811	854
Sweden	582	1,030	1,188	1,534	1,322	1,434	1,585	1,595	1,726
European Community	<b>2,120</b>	<b>2,290</b>	<b>1,620</b>	<b>1,890</b>	<b>1,550</b>	<b>1,560</b>	<b>1,830</b>	<b>1,950</b>	<b>2,140</b>
France	551	430	256	260	248	218	264	263	302
Italy	259	311	240	271	198	194	206	178	217
United Kingdom	753	757	316	364	86	79	230	349	421
West Germany	230	408	482	593	666	662	696	694	751
<b>Other countries</b>									
South Africa	0	160	210	226	362	240	301	325	NA
South Korea	27	102	107	214	212	208	216	244	272
<b>Communist countries</b>									
USSR and Eastern Europe	<b>678</b>	<b>1,420</b>	<b>1,660</b>	<b>1,920</b>	<b>1,870</b>	<b>1,880</b>	<b>1,900</b>	<b>1,945</b>	NA
USSR	434	1,101	1,361	1,532	1,508	1,528	1,532	1,589	1,645
Eastern Europe	<b>244</b>	<b>319</b>	<b>300</b>	<b>380</b>	<b>361</b>	<b>348</b>	<b>364</b>	<b>356</b>	NA
Czechoslovakia	34	81	77	71	79	68	72	72	68
East Germany	89	97	96	116	113	106	106	113	NA
Poland	77	88	83	91	78	83	86	81	NA
Romania	44	53	44	103	91	91	100	90	NA
Other									
Cuba <sup>a</sup>	NA	19	32	35	37	34	44	59	60
Yugoslavia	28	75	85	45	29	28	29	28	37

<sup>a</sup> Printing and writing paper.

**Table 156**  
**Plywood Production***Thousand cubic meters*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>	<b>12,400</b>	<b>26,200</b>	<b>25,400</b>	<b>27,900</b>	<b>24,200</b>	<b>28,800</b>	<b>29,500</b>	<b>30,000</b>	<b>31,200</b>
United States	7,910	14,078	14,579	14,857	13,300	17,090	17,984	18,868	19,200
Canada	1,000	1,851	2,051	2,338	1,682	2,064	1,846	1,900	2,050
Finland	414	706	415	639	596	580	592	556	580
Japan	1,286	6,922	6,168	8,000	6,740	7,291	7,300	6,805	7,438
European Community	<b>1,430</b>	<b>2,140</b>	<b>1,860</b>	<b>1,760</b>	<b>1,590</b>	<b>1,470</b>	<b>1,520</b>	<b>1,480</b>	<b>1,560</b>
France	390	643	551	527	477	483	476	490	480
Italy	150	420	400	400	425	325	346	350	380
Spain	75	225	266	162	150	120	129	135	143
West Germany	660	569	400	429	331	334	336	300	330
<b>Other countries</b>									
Brazil	98	342	660	826	900	900	900	930	980
Malaysia	2	197	404	601	787	800	800	572	640
Philippines	287	653	423	553	434	469	414	200	350
Singapore	NA	215	334	480	480	480	480	480	480
South Korea	20	578	976	1,071	971	973	844	758	693
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,690</b>	<b>2,600</b>	<b>2,850</b>	<b>2,710</b>	<b>2,660</b>	<b>2,730</b>	<b>2,980</b>	<b>3,030</b>	NA
USSR	1,354	2,045	2,196	2,022	2,015	2,103	2,349	2,410	2,576
Eastern Europe	<b>333</b>	<b>558</b>	<b>658</b>	<b>684</b>	<b>646</b>	<b>625</b>	<b>629</b>	<b>619</b>	NA
Bulgaria	64	71	65	56	57	55	53	51	47
Czechoslovakia	46	57	113	137	152	146	150	141	NA
East Germany	60	73	78	82	76	77	76	75	NA
Hungary	22	12	5	5	5	5	5	5	NA
Poland	73	99	128	131	104	109	111	112	NA
Romania	68	246	269	273	252	233	234	235	NA
<b>Other</b>									
Yugoslavia	61	103	126	186	181	135	141	145	155

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**Table 157**  
**Total Grain Production <sup>a</sup>***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Developed countries</b>									
United States	181.26	186.72	249.17	269.68	332.94	207.50	314.59	347.01	315.81
Australia	10.81	12.86	17.73	16.36	14.05	30.87	28.36	24.92	23.69
Canada	25.39	26.47	35.26	39.81	51.78	46.25	41.85	47.76	58.15
Japan	20.18	17.00	17.60	13.17	13.98	14.07	16.02	15.87	15.80
New Zealand	0.38	0.58	0.65	0.75	0.71	0.87	1.12	1.22	1.40
South Africa	6.52	8.06	11.50	13.02	11.15	6.29	7.48	10.36	10.96
Turkey	12.12	15.66	21.91	24.21	26.06	24.36	26.19	26.37	29.30
<b>European Community</b>	<b>79.7</b>	<b>102</b>	<b>116</b>	<b>145</b>	<b>146</b>	<b>139</b>	<b>174</b>	<b>162</b>	<b>154</b>
France	23.02	31.29	35.12	47.36	48.19	46.04	57.54	55.07	48.99
Italy	11.98	16.15	17.15	17.99	18.33	18.07	19.92	18.13	18.74
Spain	7.27	10.30	14.20	18.64	13.14	13.75	21.01	20.95	16.32
United Kingdom	9.46	13.01	13.82	19.42	21.87	21.46	26.58	22.44	24.36
West Germany	15.06	16.07	20.08	22.41	23.90	22.54	25.97	25.92	25.59
<b>Other countries</b>									
Argentina	12.57	19.66	22.79	18.27	34.08	30.62	31.11	27.46	26.75
Bangladesh	14.57	16.86	19.28	21.66	22.29	22.85	23.15	24.48	25.30
Brazil	14.61	22.78	26.19	33.19	33.71	29.16	32.68	35.95	36.79
Colombia	1.56	1.67	2.83	3.24	3.54	3.35	3.24	3.20	3.47
Egypt	5.43	6.62	7.36	7.52	7.93	8.08	7.37	8.31	8.33
India	78.97	101.80	117.35	131.15	127.52	154.55	154.71	158.94	159.34
Indonesia	15.35	22.15	25.26	33.65	36.82	40.39	43.43	43.37	45.04
Mexico	7.36	14.99	16.62	21.11	20.20	22.41	23.88	26.48	25.05
Pakistan	6.24	11.75	12.82	16.86	17.86	18.84	17.25	17.50	20.16
Peru	1.13	1.32	1.48	1.14	1.58	1.55	2.16	1.84	1.86
Thailand	8.38	15.47	18.39	20.60	20.12	23.43	24.51	25.60	22.79
Venezuela	0.51	0.86	1.09	1.55	1.45	1.30	1.43	2.06	2.44
Zimbabwe	1.01	0.79	2.03	1.88	1.77	1.06	1.47	3.34	2.86

**Table 157 (continued)**  
**Total Grain Production <sup>a</sup>***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Communist countries</b>									
USSR and Eastern Europe	<b>173</b>	<b>242</b>	<b>213</b>	<b>270</b>	<b>276</b>	<b>277</b>	<b>269</b>	<b>280</b>	<b>303</b>
USSR <sup>b</sup>	125.56	186.80	140.12	189.09	186.77	192.22	172.63	191.67	210.07
Eastern Europe <sup>c</sup>	<b>47.2</b>	<b>55.1</b>	<b>73.1</b>	<b>80.7</b>	<b>88.9</b>	<b>84.6</b>	<b>96.0</b>	<b>88.8</b>	<b>93.2</b>
Bulgaria <sup>d</sup>	4.97	6.91	7.87	7.81	10.21	8.10	9.24	5.38	7.86
Czechoslovakia	4.84	7.20	9.28	10.70	10.28	11.04	11.98	11.77	10.80
East Germany	6.38	6.46	8.91	9.63	10.02	10.07	11.35	11.60	11.70
Hungary	6.90	7.62	12.19	14.01	14.88	13.74	15.44	14.54	12.51
Poland	14.30	16.26	19.56	18.34	21.17	22.09	24.39	23.73	24.91
Romania	9.83	10.63	15.27	20.20	22.34	19.60	23.58	21.82	25.41
<b>Other</b>									
Cambodia <sup>e</sup>	NA	NA	NA	1.60	1.90	1.80	1.60	NA	NA
China <sup>f</sup>	143.50	239.96	284.52	320.56	354.50	387.28	407.31	379.11	391.09
Cuba <sup>g</sup>	0.41	0.39	0.47	0.50	0.54	0.55	0.58	0.56	0.55
Laos <sup>e</sup>	NA	0.80	NA	1.10	1.10	1.10	1.30	1.30	1.55
North Korea	2.66	3.50	5.40	4.60	6.70	7.00	7.20	7.20	6.80
Vietnam <sup>h</sup>	NA	NA	11.50	14.40	16.20	16.80	17.30	18.00	18.50
Yugoslavia	10.93	11.61	15.01	15.66	17.41	17.28	18.01	15.81	17.77

<sup>a</sup> Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.  
<sup>b</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>c</sup> Including miscellaneous grains.

<sup>d</sup> Including pulses.

<sup>e</sup> Data reflect only rice production.

<sup>f</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 for 1970-86 and on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain for 1960.

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

<sup>h</sup> Including corn, manioc, sweet potatoes, and soybeans on a paddy-equivalent basis (1 ton paddy=0.63 tons of grain or rice).

**Table 158**  
**Wheat Production***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	36.87	36.78	57.89	64.62	76.54	65.86	70.62	66.00	56.79
Australia	7.45	7.89	11.98	10.86	8.88	22.02	18.67	16.13	17.36
Canada	14.11	9.02	17.08	19.29	26.79	26.50	21.20	24.25	31.85
Turkey	7.00	10.08	14.83	16.55	17.54	16.44	17.24	17.03	19.00
<b>European Community</b>	<b>33.1</b>	<b>41.4</b>	<b>45.1</b>	<b>61.6</b>	<b>64.7</b>	<b>64.1</b>	<b>82.6</b>	<b>71.4</b>	<b>71.8</b>
France	11.01	12.92	15.01	23.68	25.34	24.74	32.98	28.89	26.59
Italy	6.79	9.69	9.61	9.16	8.90	8.72	10.06	8.52	9.07
Spain	3.52	4.13	4.30	6.04	4.41	4.27	6.05	5.33	4.29
United Kingdom	3.04	4.24	4.49	8.47	10.32	10.88	14.97	12.05	13.88
West Germany	4.82	5.66	7.01	8.16	8.63	9.00	10.22	9.87	10.41
<b>Other countries</b>									
Argentina	4.20	4.92	8.57	7.78	15.13	12.30	13.22	8.70	8.90
India	10.32	20.09	24.10	31.83	37.45	42.79	45.48	44.07	46.88
Iran	2.60	4.26	5.57	6.00	6.50	5.96	5.50	6.66	7.13
Pakistan	3.91	7.29	7.67	10.86	11.30	12.41	10.88	11.70	13.97
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>77.3</b>	<b>119</b>	<b>90.3</b>	<b>127</b>	<b>113</b>	<b>107</b>	<b>104</b>	<b>110</b>	<b>127</b>
USSR <sup>a</sup>	64.30	99.73	66.22	98.18	84.30	77.50	68.60	78.10	92.31
<b>Eastern Europe</b>	<b>13.0</b>	<b>19.1</b>	<b>24.1</b>	<b>29.1</b>	<b>29.0</b>	<b>29.4</b>	<b>35.8</b>	<b>31.6</b>	<b>34.4</b>
Bulgaria	2.38	3.06	3.01	3.87	4.95	3.64	4.84	3.05	4.00
Czechoslovakia	1.50	3.17	4.20	5.39	4.61	5.82	6.17	6.02	5.60
East Germany	1.46	2.13	2.74	3.10	2.74	3.55	3.90	3.81	4.10
Hungary	1.77	2.72	4.01	6.08	5.76	5.99	7.34	6.55	5.80
Poland	2.30	4.61	5.21	4.18	4.48	5.16	6.01	6.47	7.39
Romania	3.55	3.40	4.91	6.47	6.51	5.25	7.58	5.67	7.55
<b>Other</b>									
China	22.17	29.19	45.31	55.21	68.47	81.39	87.82	85.81	90.30
Yugoslavia	3.57	3.79	4.40	5.09	5.22	5.53	5.60	4.86	4.68

<sup>a</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.



**Table 159**  
**Coarse Grains Production <sup>a</sup>***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	141.91	146.14	185.46	198.43	250.72	137.12	237.68	274.89	252.92
Canada	11.28	17.45	18.19	20.51	25.05	19.74	20.65	23.51	26.30
Turkey	4.95	5.34	6.84	7.42	8.52	7.60	8.68	9.07	10.00
<b>European Community</b>	<b>45.0</b>	<b>59.3</b>	<b>69.2</b>	<b>81.6</b>	<b>79.4</b>	<b>73.7</b>	<b>89.4</b>	<b>88.5</b>	<b>80.5</b>
Denmark <sup>b</sup>	3.94	5.58	5.69	6.40	6.77	4.82	6.84	5.98	5.79
France	11.90	18.28	20.07	23.65	22.83	21.26	24.52	26.12	22.36
Italy	4.57	5.64	6.53	7.87	8.36	8.33	8.85	8.49	8.59
Spain	3.39	5.79	9.52	12.17	8.33	9.26	14.52	15.16	11.53
United Kingdom	6.42	8.77	9.33	10.95	11.56	10.58	11.62	10.39	10.49
West Germany	10.25	10.41	13.07	14.25	15.27	13.54	15.75	16.05	15.18
<b>Other countries</b>									
Argentina	8.22	14.34	13.87	10.23	18.64	18.04	17.42	18.35	17.44
Brazil	9.10	14.29	16.62	20.71	22.15	19.18	21.67	22.61	21.11
India	16.64	18.31	19.90	19.01	19.30	21.71	21.68	18.57	20.45
Mexico	5.84	11.91	13.10	17.86	15.22	18.53	19.00	21.27	21.11
South Africa	5.76	6.67	9.70	11.55	8.73	4.52	5.14	8.57	8.70
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>95.2</b>	<b>122</b>	<b>121</b>	<b>140</b>	<b>153</b>	<b>158</b>	<b>152</b>	<b>159</b>	<b>166</b>
USSR <sup>c</sup> <sup>d</sup>	61.08	85.78	71.88	88.30	93.20	103.30	92.50	101.60	107.30
<b>Eastern Europe</b>	<b>34.1</b>	<b>35.8</b>	<b>48.7</b>	<b>51.4</b>	<b>59.7</b>	<b>55.0</b>	<b>59.9</b>	<b>57.0</b>	<b>58.7</b>
Bulgaria	2.56	3.81	4.81	3.89	5.18	4.39	4.34	2.25	3.86
Czechoslovakia	3.34	4.03	5.08	5.31	5.67	5.22	5.81	5.75	5.20
East Germany <sup>c</sup>	4.92	4.32	6.17	6.53	7.28	6.52	7.45	7.79	7.60
Hungary	5.08	4.78	8.02	7.86	9.07	7.70	8.07	7.95	6.67
Poland <sup>c</sup>	12.00	11.65	14.35	14.16	16.69	16.93	18.38	17.26	17.52
Romania	6.22	7.17	10.29	13.69	15.78	14.27	15.89	16.01	17.86
<b>Other</b>									
Cuba <sup>e</sup>	0.10	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02
Yugoslavia	7.34	7.79	10.57	10.52	12.15	11.72	12.38	10.97	13.09

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

<sup>b</sup> Excluding corn.

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

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

**Table 160**  
**Rice Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	2,477	3,801	5,826	6,629	6,969	4,523	6,296	6,120	6,097
Japan	16,072	15,861	17,097	12,824	12,838	12,958	14,848	14,578	14,559
European Community	<b>1,290</b>	<b>1,560</b>	<b>1,670</b>	<b>1,660</b>	<b>1,660</b>	<b>1,180</b>	<b>1,710</b>	<b>1,900</b>	<b>1,870</b>
Italy	622	819	1,010	968	1,008	1,021	1,009	1,123	1,082
<b>Other countries</b>									
Bangladesh	14,522	16,733	19,582	20,821	21,322	21,751	21,930	23,012	24,247
Brazil	5,392	5,394	7,782	9,776	9,716	7,742	9,027	9,019	10,406
Burma	6,850	8,162	9,208	13,317	14,373	14,288	14,255	14,466	14,466
India	52,011	63,401	73,352	80,312	70,772	90,048	87,553	96,306	92,000
Indonesia	14,953	19,324	22,340	29,652	33,584	35,303	38,136	39,033	39,275
South Korea	4,151	5,471	6,485	5,311	7,308	7,608	7,970	7,855	7,790
Thailand	9,475	13,570	15,300	17,368	16,878	19,549	19,905	20,264	18,200
<b>Communist countries</b>									
USSR and Eastern Europe	<b>313</b>	<b>1,460</b>	<b>2,210</b>	<b>2,920</b>	<b>2,640</b>	<b>2,800</b>	<b>2,920</b>	<b>2,820</b>	NA
USSR	187	1,279	2,009	2,791	2,470	2,600	2,720	2,570	2,633
Eastern Europe	<b>126</b>	<b>176</b>	<b>206</b>	<b>130</b>	<b>169</b>	<b>205</b>	<b>204</b>	<b>250</b>	NA
Bulgaria	32	66	68	67	75	74	61	76 <sup>b</sup>	NA
Hungary	45	45	69	24	48	47	33	36	44
Romania	49	65	69	39	46	84	110	138	NA
<b>Other</b>									
Cambodia	NA	NA	NA	1,600	1,400	1,700	1,970	1,900	2,100
China	59,730	109,990	125,560	139,910	161,600	168,870	178,260	168,570	171,126
Cuba <sup>c</sup>	306	291	338	352	372	518	555	524	480
Laos	NA	800	NA	1,100	1,184	1,101	1,321	1,471	1,500
North Korea	1,100	1,400	2,500	2,300	3,300	3,500	3,600	3,600	3,400
Vietnam <sup>d</sup>	4,212	4,500	4,500	11,700	14,500	14,732	15,528	15,600	15,850
Yugoslavia	22	32	37	42	42	40	36	42	NA

<sup>a</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>b</sup> US Department of Agriculture estimates.

<sup>c</sup> Milled rice. Data reflect government collection only.

<sup>d</sup> Prior to 1980, data for North Vietnam.

**Table 161**  
**Potato Production***Million metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	11.68	14.78	14.60	13.74	15.96	15.15	16.45	18.33	16.50
Austria	3.81	2.70	1.58	1.26	1.12	1.01	1.14	1.04	1.04
Canada	2.06	2.30	2.20	2.47	2.80	2.56	2.80	2.96	3.00
Japan	3.59	3.62	3.26	3.42	3.78	3.57	3.71	3.74	3.76
<b>European Community</b>	<b>67.4</b>	<b>53.8</b>	<b>40.5</b>	<b>42.0</b>	<b>41.4</b>	<b>35.8</b>	<b>43.3</b>	<b>44.5</b>	<b>42.8</b>
France	15.89	8.90	6.64	6.62	6.79	5.73	6.96	7.81	6.50
Italy	3.82	3.67	2.94	2.92	2.62	2.50	2.45	2.39	2.50
Netherlands	3.97	5.65	5.00	6.27	6.22	5.41	6.67	7.15	7.25
Spain	4.62	5.30	5.34	5.47	5.22	5.16	5.98	5.78	5.00
United Kingdom	7.27	7.82	4.79	7.11	6.88	5.86	7.40	6.89	6.93
West Germany	24.54	16.25	10.85	7.93	7.82	6.30	8.05	8.70	8.70
<b>Other countries</b>									
Argentina	2.07	2.34	1.35	1.57	1.82	2.01	2.12	2.00	2.10
India	2.75	3.91	6.22	8.33	9.91	9.96	12.15	12.64	13.17
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>149</b>	<b>169</b>	<b>151</b>	<b>111</b>	<b>129</b>	<b>135</b>	<b>147</b>	<b>134</b>	<b>150</b>
USSR	84.37	96.78	88.70	67.02	78.18	82.91	85.52	73.01	87.19
<b>Eastern Europe</b>	<b>64.3</b>	<b>72.4</b>	<b>62.0</b>	<b>43.7</b>	<b>50.9</b>	<b>52.1</b>	<b>61.7</b>	<b>61.4</b>	<b>62.6</b>
Bulgaria	0.48	0.37	0.32	0.30	0.47	0.43	0.42	0.44	0.47
Czechoslovakia	5.09	4.79	3.56	2.70	3.61	3.18	3.98	3.45	3.46
East Germany	14.82	13.05	7.67	9.21	8.88	7.06	11.91	12.35	9.86
Hungary	3.00	1.81	1.27	0.94	0.97	0.79	1.55	1.34	1.26
Poland	37.90	50.30	46.43	26.39	31.95	34.47	37.44	36.55	39.00
Romania	3.01	2.06	2.72	4.13	5.01	6.21	6.39	7.29	8.60
<b>Other</b>									
China	NA	NA	NA	139.22	133.40	146.25	151.30	130.20	134.81
Cuba <sup>a</sup>	0.02	0.08	0.12	0.21	0.22	0.17	0.22	NA	NA
Yugoslavia	3.27	2.96	2.39	2.58	2.64	2.59	2.80	2.41	2.52

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

**Table 162**  
**Sugar Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>c</sup>	3,637	5,327	5,955	5,313	5,418	5,215	5,342	5,415	5,750
Australia <sup>d</sup>	1,441	2,507	2,930	3,415	3,652	3,171	3,627	3,439	3,439
European Community	<b>8,170</b>	<b>9,660</b>	<b>11,200</b>	<b>14,000</b>	<b>15,900</b>	<b>13,000</b>	<b>14,500</b>	<b>14,500</b>	<b>14,700</b>
France	2,267	2,580	2,981	4,253	4,825	3,875	4,305	4,324	3,650
Italy	998	1,199	1,429	1,934	1,282	1,352	1,385	1,352	1,850
United Kingdom	860	925	724	1,202	1,544	1,185	1,400	1,316	1,350
West Germany	1,877	2,100	2,571	2,994	3,586	2,725	3,151	3,454	3,400
<b>Other countries <sup>d</sup></b>									
Brazil	3,319	5,019	6,299	8,270	8,941	9,555	9,259	8,455	7,999
India	2,814	4,634	5,048	4,528	9,126	8,452	6,635	7,016	7,790
Mexico	1,530	2,402	2,636	2,719	2,739	3,076	3,308	3,492	3,700
Philippines	1,398	1,980	2,672	2,332	2,709	2,112	2,578	1,665	1,514
South Africa	952	1,649	1,968	1,780	2,371	1,584	2,276	2,540	2,420
<b>Communist countries</b>									
USSR and Eastern Europe <sup>e</sup>	<b>11,100</b>	<b>15,300</b>	<b>16,100</b>	<b>15,200</b>	<b>18,600</b>	<b>19,100</b>	<b>19,200</b>	<b>18,400</b>	<b>19,200</b>
USSR	6,916	11,110	11,285	11,008	13,120	13,472	13,548	12,825	13,804
Eastern Europe	<b>4,170</b>	<b>4,160</b>	<b>4,800</b>	<b>4,240</b>	<b>5,480</b>	<b>5,580</b>	<b>5,690</b>	<b>5,540</b>	<b>5,360</b>
Bulgaria	186	403	343	371	434	476	487	497	539
Czechoslovakia	958	951	913	847	972	909	1,017	1,053	965
East Germany	739	587	793	797	974	920	946	990	885
Hungary	381	304	335	509	499	518	442	525	465
Poland	1,484	1,509	1,857	1,160	1,949	2,154	1,921	1,843	1,829
Romania	425	410	560	553	648	604	876	633	676
<b>Other</b>									
China <sup>b</sup>	440	1,350	1,740	2,570	3,384	3,771	3,799	4,513	5,240
Cuba <sup>e</sup>	5,942	8,538	6,314	6,665	8,207	7,460	7,783	7,889	7,600
Yugoslavia	243	385	571	709	683	772	996	1,032	1,000

<sup>a</sup> Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 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>b</sup> Including cane sugar.

<sup>c</sup> Including Puerto Rico, for all years except 1960 and 1970.

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

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

**Table 163**  
**Fish Catch <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1979	1980	1982	1983	1984	1985
<b>OECD</b>									
United States	2,815	2,810	2,842	3,511	3,635	3,988	4,143	4,814	4,679
Canada	934	1,334	993	1,415	1,347	1,404	1,346	1,221	1,341
Iceland	593	734	995	1,645	1,515	789	839	1,535	1,689
Japan	6,207	8,825	9,896	9,949	10,436	10,827	11,255	12,021	11,440
Norway	1,543	2,906	2,484	2,658	2,409	2,501	2,836	2,456	2,115
European Community	<b>5,120</b>	<b>6,640</b>	<b>6,820</b>	<b>6,170</b>	<b>6,590</b>	<b>6,860</b>	<b>6,610</b>	<b>6,610</b>	<b>6,590</b>
Denmark	581	1,226	1,767	1,738	2,029	1,927	1,863	1,847	1,705
France	734	784	784	743	794	746	774	739	786
Spain	970	1,532	1,512	1,205	1,265	1,374	1,250	1,268	1,253
United Kingdom	924	1,076	954	893	835	903	839	836	896
West Germany	674	613	442	357	307	314	305	327	227
<b>Other countries</b>									
Chile	340	1,200	899	2,632	2,817	3,673	3,982	4,499	NA
India	1,161	1,756	2,266	2,340	2,442	2,367	2,507	2,859	NA
Indonesia	761	1,225	1,382	1,742	1,842	1,990	2,205	2,217	NA
Peru	3,727	12,535	3,446	3,681	2,739	3,529	1,568	2,997	NA
Philippines	466	1,031	1,443	1,475	1,557	1,788	1,978	1,935	NA
Thailand	221	1,444	1,553	1,944	1,792	2,120	2,250	2,250	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>3,890</b>	<b>8,810</b>	<b>11,700</b>	<b>10,800</b>	<b>11,000</b>	<b>11,300</b>	<b>11,300</b>	<b>12,100</b>	<b>12,100</b>
USSR <sup>b</sup>	3,541	7,828	10,357	9,359	9,526	10,000	9,900	10,600	10,700
Eastern Europe	<b>349</b>	<b>978</b>	<b>1,350</b>	<b>1,400</b>	<b>1,440</b>	<b>1,300</b>	<b>1,430</b>	<b>1,490</b>	<b>1,380</b>
Bulgaria	8	84	151	136	164	140	151	150	135
Czechoslovakia	9	13	17	17	16	20	20	20	20
East Germany	114	320	330	227	244	270	265	300	265
Hungary	15	26	31	33	34	43	20	20	17
Poland	187	473	679	803	791	582	672	700	686
Romania	16	62	139	182	189	244	300	300	260
<b>Other</b>									
Cuba	31	106	143	154	186	195	198	200	220
Yugoslavia	31	46	57	56	58	67	80	74	75

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

**Table 164**  
**Cattle Numbers <sup>a</sup>***Million head*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	96.24	112.37	132.03	111.19	115.44	115.00	113.70	109.75	105.47
Australia	16.50	22.16	32.79	26.20	24.55	22.48	22.16	22.78	23.22
Canada	10.39	11.63	14.01	12.12	12.09	11.66	11.36	10.98	10.59
New Zealand	5.99	8.78	9.65	8.02	8.04	7.91	7.63	7.77	7.92
Turkey <sup>b</sup>	14.30	14.37	14.41	16.61	16.98	16.50	16.00	15.50	15.00
European Community	<b>73.9</b>	<b>79.2</b>	<b>86.1</b>	<b>84.2</b>	<b>84.1</b>	<b>84.9</b>	<b>85.5</b>	<b>84.8</b>	<b>83.6</b>
France	18.74	21.72	24.33	23.55	23.49	23.66	23.52	23.10	22.81
Italy <sup>b</sup>	9.40	9.61	8.24	8.81	8.90	9.13	9.22	9.21	9.01
United Kingdom	11.69	12.30	14.84	13.32	12.96	13.16	13.13	12.98	12.70
West Germany	12.48	14.29	14.43	15.05	15.00	15.10	15.55	15.69	15.63
<b>Other countries</b>									
Argentina	43.52	52.26	58.70	58.94	57.95	58.00	58.60	58.81	57.61
Brazil <sup>b</sup>	72.89	78.45	91.00	91.00	93.00	93.00	93.30	94.70	95.21
Colombia	15.00	20.20	23.22	24.23	24.23	24.00	22.44	21.94	20.51
Ethiopia	22.45	26.23	25.88	26.00	26.20	26.30	26.00	26.00	26.30
Mexico	17.41	24.88	28.40	33.00	34.70	33.87	33.92	33.85	33.74
South Africa	12.30	10.13	12.33	13.58	13.10	12.52	12.90	12.00	11.75
<b>Communist countries</b>									
USSR and Eastern Europe	<b>99.4</b>	<b>124</b>	<b>142</b>	<b>148</b>	<b>148</b>	<b>149</b>	<b>152</b>	<b>154</b>	<b>153</b>
USSR	74.23	95.16	109.12	115.10	115.90	117.20	119.60	121.06	120.90
Eastern Europe	<b>25.2</b>	<b>28.5</b>	<b>32.5</b>	<b>32.9</b>	<b>32.4</b>	<b>31.8</b>	<b>32.5</b>	<b>32.6</b>	<b>32.3</b>
Bulgaria	1.28	1.26	1.55	1.79	1.85	1.82	1.81	1.78	1.74
Czechoslovakia	4.30	4.22	4.57	4.92	5.10	5.13	5.19	5.15	5.07
East Germany	4.46	5.19	5.58	5.60	5.75	5.69	5.77	5.85	5.83
Hungary	2.00	1.93	2.02	1.95	1.95	1.92	1.91	1.90	1.77
Poland	8.70	10.84	12.82	12.16	11.47	11.02	11.09	10.91	10.77
Romania	4.45	5.04	5.98	6.51	6.30	6.25	6.75	7.04	7.08
<b>Other</b>									
China <sup>c</sup>	79.12	92.28	97.53	94.59	97.64	101.13	103.50	108.39	113.82
Yugoslavia	5.30	5.03	5.81	5.44	5.35	5.35	5.34	5.20	5.03

<sup>a</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>b</sup> Including buffalo.<sup>c</sup> Cattle, buffalo, horses, donkeys, mules, and camels.

**Table 165**  
**Hog Numbers <sup>a</sup>**

Million head

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	59.03	57.05	54.69	67.35	58.70	54.53	56.69	54.07	52.30
Canada	6.05	6.56	5.90	9.69	10.04	10.07	10.74	11.03	10.68
Japan	1.92	6.34	7.68	10.00	10.04	10.27	10.42	10.72	11.06
<b>European Community</b>	<b>53.1</b>	<b>74.6</b>	<b>80.1</b>	<b>91.7</b>	<b>92.7</b>	<b>94.4</b>	<b>94.3</b>	<b>94.6</b>	<b>97.0</b>
Denmark	6.20	8.35	8.05	9.53	9.78	9.50	9.02	8.96	9.10
France	8.36	10.46	12.03	11.44	11.80	11.71	11.25	10.98	10.96
Italy	4.15	9.22	8.81	8.81	9.02	9.13	9.19	9.04	9.14
Netherlands	2.82	5.47	7.14	9.75	10.19	10.59	11.01	11.80	12.91
Spain	6.03	6.92	7.86	11.26	10.70	11.68	12.12	11.80	11.90
United Kingdom	6.01	8.13	8.84	7.79	7.91	8.21	7.78	7.79	7.93
West Germany	14.87	19.32	20.23	22.37	22.31	22.48	23.45	23.62	24.28
<b>Other countries</b>									
Brazil	46.82	35.60	35.20	36.50	33.50	33.50	30.00	30.00	30.50
Mexico	6.08	10.30	11.70	16.89	17.15	16.46	13.14	12.32	13.12
Philippines	6.57	6.46	6.60	7.93	7.59	7.98	7.61	7.30	7.28
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>92.7</b>	<b>97.9</b>	<b>132</b>	<b>138</b>	<b>137</b>	<b>139</b>	<b>143</b>	<b>143</b>	<b>143</b>
USSR	53.44	56.06	72.27	73.90	73.30	76.70	78.70	77.91	77.80
<b>Eastern Europe</b>	<b>39.2</b>	<b>41.9</b>	<b>60.2</b>	<b>63.8</b>	<b>63.8</b>	<b>62.3</b>	<b>63.9</b>	<b>64.9</b>	<b>65.3</b>
Bulgaria	2.27	1.97	3.42	3.83	3.84	3.81	3.77	3.73	3.91
Czechoslovakia	5.69	5.53	6.72	7.59	7.30	7.13	7.07	6.74	6.65
East Germany <sup>b</sup>	8.28	9.24	11.52	12.13	12.87	12.11	13.06	13.19	12.95
Hungary	6.07	5.70	8.29	8.37	8.30	9.04	9.84	9.24	8.28
Poland	12.62	13.45	21.71	20.98	19.08	17.56	15.85	17.21	19.17
Romania	4.30	5.97	8.57	10.89	12.46	12.64	14.35	14.78	14.32
<b>Other</b>									
China	120.04	172.51	260.78	319.71	293.70	298.54	306.79	331.40	336.93
Cuba <sup>c</sup>	NA	0.26	0.60	0.72	0.85	0.91	1.01	1.04	1.05
Yugoslavia	6.21	5.54	7.68	7.50	8.43	8.37	9.34	8.67	7.82

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

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

<sup>c</sup> State sector only.

**Table 166**  
**Meat Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983 <sup>b</sup>	1984 <sup>b</sup>	1985 <sup>b</sup>	1986 <sup>b</sup>
<b>OECD</b>									
United States	12,808	22,548	22,986	24,216	23,944	25,007	25,288	25,784	26,095
Australia	1,360	2,166	2,469	2,769	2,734	2,626	2,360	2,409	2,562
Canada	1,100	2,053	2,156	2,445	2,499	2,429	2,434	2,558	2,537
Japan	318 <sup>c</sup>	1,398	2,072	3,002	3,106	3,194	3,310	3,495	3,555
European Community	<b>11,000</b>	<b>17,500</b>	<b>20,800</b>	<b>24,800</b>	<b>24,900</b>	<b>25,400</b>	<b>26,000</b>	<b>26,100</b>	<b>26,400</b>
France	2,646 <sup>c</sup>	3,814	4,357	5,011	5,111	5,069	5,241	5,168	5,209
Italy	1,011 <sup>c</sup>	2,054	2,360	2,965	3,013	3,432	3,498	3,479	3,426
Spain	554 <sup>c</sup>	1,255	1,853	2,312	2,523	2,495	2,507	2,506	2,509
United Kingdom	1,719	2,604	2,852	3,073	3,028	3,134	3,198	3,224	3,148
West Germany	2,694 <sup>c</sup>	3,749	3,956	5,114	4,944	5,091	5,223	5,214	5,439
<b>Other countries</b>									
Argentina	2,277 <sup>c</sup>	3,188	3,103	3,640	3,420	3,148	3,371	3,560	3,649
Brazil	1,767 <sup>c</sup>	3,015	3,569	4,472	5,055	5,047	4,248	4,424	4,621
<b>Communist countries</b>									
USSR and Eastern Europe <sup>d</sup>	<b>13,900</b>	<b>19,300</b>	<b>24,600</b>	<b>25,700</b>	<b>25,300</b>	<b>26,600</b>	<b>27,600</b>	<b>28,000</b>	<b>29,000</b>
USSR	8,682	12,278	14,968	15,073	15,368	16,449	16,985	17,131	17,700
Eastern Europe	<b>5,260</b>	<b>7,000</b>	<b>9,660</b>	<b>10,700</b>	<b>9,930</b>	<b>10,100</b>	<b>10,600</b>	<b>10,900</b>	<b>11,300</b>
Bulgaria	307	476	657	781	807	837	848	843	826
Czechoslovakia	802	1,098	1,349	1,499	1,413	1,483	1,536	1,547	1,556
East Germany	1,021	1,348	1,837	1,899	1,835	1,873	1,988	2,077	2,145
Hungary	816	1,040	1,422	1,566	1,691	1,769	1,846	1,760	1,705
Poland	1,751	2,182	3,062	3,148	2,580	2,509	2,526	2,781	3,187
Romania	561	857	1,328	1,769	1,602	1,630	1,902	1,911	1,846
<b>Other</b>									
China <sup>e</sup>	NA	5,965	7,970	12,054	13,508	14,021	15,406	17,607	19,180
Cuba <sup>f</sup>	NA	NA	NA	412	426	441	463	472	475
Yugoslavia <sup>d</sup>	824	1,059	1,329	1,519	1,573	1,565	1,678	1,464	1,390

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

<sup>c</sup> Including horsemeat.

<sup>d</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 a 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>e</sup> Data are for pork, beef, and mutton.

<sup>f</sup> State purchases only.



**Table 167**  
**Milk Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	53,702	53,268	52,314	58,298	61,464	63,354	61,439	65,166	65,680
Australia	6,355	7,712	6,677	5,562	5,415	5,676	6,087	6,205	6,202
Canada	8,385	8,272	7,751	7,855	8,258	8,019	8,096	7,891	8,050
Japan	1,887	4,760	4,963	6,505	6,750	7,036	7,138	7,380	7,525
New Zealand	5,318	5,907	6,142	6,833	6,775	6,879	7,624	7,872	8,042
European Community	<b>86,900</b>	<b>96,800</b>	<b>104,000</b>	<b>111,000</b>	<b>115,000</b>	<b>119,000</b>	<b>124,000</b>	<b>122,000</b>	<b>123,000</b>
Denmark	5,399	4,630	4,918	5,117	5,217	5,427	5,234	5,099	5,400
France	22,652	27,245	29,686	26,859	27,358	27,905	33,918	33,000	33,700
Italy	9,648	8,936	9,385	10,749	10,800	10,580	10,901	10,847	10,650
Netherlands	6,838	8,239	10,221	11,785	12,708	13,231	12,782	12,559	12,800
Spain	NA	4,456	5,138	5,871	5,947	6,070	6,438	6,442	6,702
United Kingdom	12,670	12,374	13,934	15,958	16,745	17,300	16,227	16,042	16,000
West Germany	19,250	21,856	21,604	24,778	25,465	26,913	26,151	25,675	26,300
<b>Other countries</b>									
Argentina	4,530	4,196	5,650	5,301	5,652	5,300	5,200	5,823	6,200
Brazil	5,045	7,722	9,970	10,265	10,100	10,700	12,303	12,580	11,860
India	NA	7,630	9,750	13,500	14,900	16,000	17,100	19,000	20,100
Mexico	2,473	3,053	4,980	6,742	9,783	9,573	7,101	7,424	7,550
<b>Communist countries</b>									
USSR and Eastern Europe	<b>89,500</b>	<b>117,000</b>	<b>128,000</b>	<b>131,000</b>	<b>129,000</b>	<b>137,000</b>	<b>140,000</b>	<b>140,000</b>	<b>144,000</b>
USSR <sup>b</sup>	61,718	83,016	90,804	90,899	91,044	96,473	97,906	98,608	101,100
Eastern Europe	<b>27,800</b>	<b>33,700</b>	<b>37,600</b>	<b>40,600</b>	<b>38,300</b>	<b>40,900</b>	<b>41,800</b>	<b>41,700</b>	<b>42,600</b>
Bulgaria	745	1,252	1,436	1,830	1,984	2,062	2,103	1,873	1,959
Czechoslovakia	3,830	4,795	5,463	5,909	5,929	6,557	7,140	6,900	7,017
East Germany <sup>c</sup>	5,730	7,091	8,095	8,321	7,678	8,203	8,729	8,995	9,130
Hungary	1,619	1,682	1,822	2,537	2,760	2,826	2,716	2,631	2,652
Poland	12,501	14,950	16,377	16,499	15,191	15,990	15,750	15,626	15,423
Romania <sup>d</sup>	3,343	3,912	4,381	5,480	4,758	5,242	5,408	5,717	6,200
<b>Other</b>									
Cuba <sup>e</sup>	NA	380	591	889	929	948	945	929	925
Yugoslavia	2,283	2,567	3,654	4,342	4,450	4,550	4,570	4,600	4,536

<sup>a</sup> Whole milk from cows, unless otherwise indicated.<sup>b</sup> Including milk from sheep, goats, camels, and mares.<sup>c</sup> In terms of 3.5 percent butterfat content.<sup>d</sup> Including milk from buffaloes.<sup>e</sup> State production of pasteurized and raw milk.

**Table 168**  
**Soybean Production**

*Thousand Metric Tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Developed Countries</b>									
United States	15,113	30,675	42,079	48,772	59,611	44,519	50,645	57,114	54,685
Canada	154	283	367	713	848	735	944	1,048	988
Japan	418	126	126	174	226	217	238	228	228
<b>European Community</b>									
Italy	NA	NA	1	NA	9	59	110	283	680
<b>Other Countries</b>									
Argentina	1	27	485	3,500	4,150	4,000	7,000	6,500	7,300
Brazil	246	1,509	9,892	15,156	12,836	14,582	15,541	18,278	13,276
India	NA	NA	120	450	491	583	934	1,100	1,300
Indonesia	437	498	563	653	521	568	743	817	890
Mexico	NA	280	699	312	648	686	685	740	550
Paraguay	NA	30	216	540	830	740	550	950	600
South Korea	130	232	311	216	257	233	226	234	272
Thailand	26	70	114	100	113	172	247	309	331
<b>Communist Countries</b>									
<b>USSR and Eastern Europe</b>									
USSR	168	603	780	525	480	560	469	458	500
<b>Eastern Europe</b>									
Bulgaria	2	8	80	107	116	82	72	37	40
Romania	12	91	213	448	301	259	407	317	360
<b>Other</b>									
China	10,160	11,645	12,062	7,966	9,042	9,769	9,705	10,521	11,010
North Korea	NA	228	290	340	360	380	400	425	438
Vietnam	3	26	30	32	100	107	67	86	120
Yugoslavia	26	5	30	34	198	210	228	174	200

**Table 169**  
**Coffee Production <sup>a</sup>***Thousand Metric Tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
Brazil	1,797	755	1,228	1,061	958	1,665	1,420	1,877	1,004
Cameroon	38	81	87	102	127	68	130	116	114
Colombia	456	570	540	724	861	816	694	678	714
Costa Rica	70	75	79	109	115	130	151	121	138
Dominican Republic	35	42	55	60	63	68	72	72	70
Ecuador	33	78	76	69	84	81	97	121	131
El Salvador	93	129	193	165	146	155	162	156	156
Ethiopia	51	205	174	187	202	220	240	250	260
Guatemala	84	133	129	163	159	153	140	152	174
Honduras	24	34	50	76	72	74	73	84	78
India	67	64	93	150	152	130	105	190	120
Indonesia	92	178	162	295	265	236	315	325	348
Ivory Coast	185	240	270	250	248	271	85	260	280
Kenya	34	59	66	91	87	87	111	97	116
Madagascar	51	67	88	85	81	81	81	82	82
Mexico	123	184	214	208	231	313	240	269	278
Peru	33	65	59	95	90	91	87	93	96
Philippines	32	49	62	145	171	139	122	135	135
Uganda	119	221	213	110	167	172	204	210	220
Zaire	NA	81	64	88	84	83	81	92	90

<sup>a</sup> Green coffee.

**Table 170**  
**Wool Production <sup>a</sup>***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	146.20	85.02	54.22	47.79	47.61	45.00	43.00	40.00	39.00
Australia	737.20	923.40	793.48	708.51	717.21	702.00	728.00	815.00	819.00
New Zealand	266.50	333.80	294.10	357.00	363.00	371.00	364.00	373.00	350.00
Turkey	43.50	47.15	52.32	61.28	62.08	62.00	51.00	62.00	62.00
<b>European Community</b>	<b>176</b>	<b>145</b>	<b>132</b>	<b>140</b>	<b>143</b>	<b>148</b>	<b>149</b>	<b>155</b>	<b>155</b>
France	29.53	20.35	15.70	22.20	22.20	23.00	24.00	24.00	23.00
Spain	35.10	33.81	22.15	21.29	22.88	24.00	25.00	25.00	25.00
United Kingdom	54.98	46.30	49.30	51.80	49.80	52.00	54.00	58.00	58.00
<b>Other countries</b>									
Afghanistan	NA	27.00	25.00	23.00	23.00	24.00	24.00	24.00	24.00
Argentina	221.10	170.00	160.00	152.16	151.94	155.00	153.00	160.00	160.00
Brazil	24.10	31.71	29.10	32.25	30.00	31.00	30.00	30.00	31.00
Chile	23.90	25.50	18.80	20.60	22.00	21.00	21.00	20.00	21.00
India	34.11	36.00	31.00	35.00	37.00	38.00	39.00	40.00	41.00
Pakistan	14.70	19.50	28.33	42.60	40.70	43.00	45.00	48.00	50.00
South Africa <sup>b</sup>	143.80	145.60	108.20	102.90	110.00	114.00	109.00	105.00	99.00
Uruguay	82.50	79.65	60.77	67.28	78.38	82.00	82.00	91.00	91.00
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>	<b>427</b>	<b>507</b>	<b>546</b>	<b>556</b>	<b>568</b>	<b>581</b>	<b>590</b>	<b>571</b>	<b>592</b>
USSR <sup>c</sup>	356.80	418.90	449.60	443.00	452.10	462.40	465.30	446.60	465.00
<b>Eastern Europe</b>	<b>70.5</b>	<b>88.1</b>	<b>96.7</b>	<b>113</b>	<b>116</b>	<b>118</b>	<b>125</b>	<b>125</b>	<b>127</b>
Bulgaria	21.04	28.81	34.01	35.09	34.89	35.94	36.16	34.00	34.00
Czechoslovakia <sup>d</sup>	2.50	3.99	3.60	4.20	4.50	5.00	5.00	5.00	6.00
East Germany	7.90	6.90	9.70	11.90	12.60	12.10	14.00	13.86	14.40
Hungary	8.20	9.78	8.39	12.14	12.76	12.72	12.00	11.12	10.76
Poland	9.04	8.94	9.45	12.73	12.50	13.21	15.34	16.96	17.35
Romania	21.85	29.72	31.53	37.38	38.60	39.35	42.30	43.68	44.00
<b>Other</b>									
Yugoslavia	13.55	11.95	10.66	10.07	9.74	9.52	10.00	10.00	10.00

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

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

<sup>c</sup>Physical weight.

<sup>d</sup>Purchases.

**Table 171**  
**Ginned Cotton Production***Thousand metric tons*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	3,107	2,219	1,808	2,422	2,605	1,692	2,826	2,925	2,130
Australia	NA	19	25	99	101	141	249	257	196
Greece	63	110	130	117	100	128	147	168	196
Turkey	169	400	480	499	488	522	580	516	470
<b>Other countries</b>									
Argentina	124	85	140	84	111	180	171	114	142
Brazil	425	594	390	615	650	556	970	810	747
Colombia	70	117	121	116	33	77	125	113	94
Egypt	478	509	382	529	460	400	399	432	407
Guatemala	21	57	102	125	46	61	68	41	24
India	1,008	954	1,160	1,326	1,376	1,278	1,725	1,955	1,611
Iran	99	154	139	63	93	91	111	104	106
Mexico	457	312	197	353	183	226	272	208	139
Nicaragua	33	78	109	77	79	76	70	51	37
Pakistan	304	542	514	715	822	468	1,008	1,200	1,309
Sudan	114	245	108	96	199	218	196	147	170
Syria	111	150	158	118	158	193	153	162	131
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,480</b>	<b>2,360</b>	<b>2,540</b>	<b>2,960</b>	<b>2,680</b>	<b>2,620</b>	NA	NA	NA
USSR	1,458	2,343	2,524	2,959	2,673	2,607	2,586	2,625	2,654
Eastern Europe <sup>a</sup>	<b>23</b>	<b>15</b>	<b>14</b>	<b>5</b>	<b>5</b>	<b>6</b>	NA	NA	NA
Bulgaria	23	15	13	5	5	6	NA	NA	NA
Romania	NA	NA	1	NEGL	NEGL	NEGL	NA	NA	NA
<b>Other</b>									
China	1,063	2,277	2,381	2,707	3,598	4,637	6,258	4,147	3,540
Yugoslavia <sup>a</sup>	2	4	2	NEGL	1	1	1	1	NA

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

**Table 172**  
**Chemical Fertilizer Consumption, Nutrient Content <sup>b</sup>**

*Kilograms per hectare of arable land <sup>a</sup>*

	1960	1970	1975	1980	1981	1982	1983	1984	1985
<b>OECD</b>									
United States	38.9	80.9	90.0	112.7	102.0	86.7	104.5	103.8	94.1
Australia	21.2	22.2	15.9	27.8	26.5	23.7	24.2	24.4	25.6
Canada	8.6	18.5	29.8	42.2	42.1	43.7	48.7	51.7	51.7
Japan	NA	372.6	319.3	372.1	387.2	412.1	437.0	438.5	426.6
Turkey	1.5	15.7	29.8	51.1	45.5	53.5	58.1	53.8	50.1
<b>European Community</b>									
Belgium-Luxembourg	NA	564.8	540.4	533.9	498.2	520.6	546.7	535.6	522.1
Denmark	151.1	223.4	239.4	236.4	233.0	246.2	263.9	246.9	317.5
France	102.4	243.5	246.7	300.8	299.0	299.3	311.6	308.8	304.3
Greece	NA	86.1	119.0	134.2	146.9	160.6	161.1	163.9	174.5
Ireland	124.8	365.0	410.7	618.2	609.4	643.8	697.3	697.3	647.9
Italy	51.5	89.6	121.0	169.8	165.5	161.4	168.9	172.8	170.2
Netherlands	456.1	749.3	750.7	788.8	772.7	738.1	788.8	795.7	806.1
Portugal	NA	34.2	67.6	73.0	77.4	72.0	65.5	62.9	70.5
Spain	31.6	59.3	69.3	81.1	67.2	72.5	71.0	79.8	82.1
United Kingdom	183.3	259.9	262.9	293.6	328.8	364.7	374.6	373.2	385.7
West Germany	266.2	399.6	385.5	471.2	418.4	435.0	421.1	399.0	427.7
<b>Other countries</b>									
Brazil	NA	28.3	52.3	59.1	37.6	36.5	30.7	46.3	43.5
India	2.3	13.2	16.5	30.9	34.0	34.6	39.4	47.5	50.9
Egypt	NA	113.2	175.1	271.4	286.8	334.6	360.5	340.9	382.6
Argentina	NA	2.6	1.6	3.3	2.7	3.1	3.5	4.1	4.0
South Africa	NA	38.6	52.1	77.9	90.5	83.1	64.9	71.0	65.0
Israel	NA	140.1	170.7	191.9	180.4	178.3	183.1	196.3	205.1

**Table 172 (continued)***Kilograms per hectare of arable land <sup>a</sup>***Chemical Fertilizer Consumption, Nutrient Content <sup>b</sup>**

	1960	1970	1975	1980	1981	1982	1983	1984	1985
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>									
USSR <sup>c d</sup>	11.2	44.3	74.3	80.9	82.6	86.7	98.7	99.1	108.9
<b>Eastern Europe</b>									
Bulgaria	33.8	141.1	156.5	198.4	250.6	250.1	243.7	226.3	208.7
Czechoslovakia <sup>e</sup>	91.4	240.4	314.7	334.7	332.7	336.9	343.5	338.3	335.6
East Germany	197.4	310.7	361.5	325.2	344.1	281.5	290.1	315.3	327.5
Hungary	29.5	149.7	276.3	262.4	279.3	288.5	299.8	288.1	252.9
Poland	49.0	167.8	242.4	234.8	225.2	213.4	231.4	221.7	230.6
Romania	8.1	56.5	114.0	116.5	154.0	159.1	157.7	148.2	157.9
<b>Other</b>									
Albania	NA	78.8	100.6	122.3	115.3	155.0	144.6	132.0	NA
China <sup>e</sup>	4.6	27.5	44.7	86.7	92.0	104.5	115.3	120.6	123.6
North Korea	NA	165.0	NA	326.0	349.0	338.0	345.0	355.0	360.0
Yugoslavia	27.9	77.0	89.6	104.5	128.4	119.9	117.8	125.0	127.0

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

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

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

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

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

**Table 173**  
**Nitrogen Fertilizer Consumption, Nutrient Content <sup>a</sup>**

*Thousand metric tons of N*

	1960	1970	1975	1980	1981	1982	1983	1984	1985
<b>OECD</b>									
United States	2,749	7,379	9,445	10,817	9,964	8,280	10,063	10,436	9,473
Canada	91	292	556	914	966	1,002	1,157	1,255	1,280
Japan	753	872	653	614	643	683	701	697	694
Turkey	25	243	482	807	799	863	1,021	955	916
European Community	<b>2,860</b>	<b>5,790</b>	<b>6,970</b>	<b>8,640</b>	<b>8,550</b>	<b>8,850</b>	<b>9,070</b>	<b>9,270</b>	<b>9,380</b>
France	565	1,453	1,708	2,146	2,193	2,196	2,320	2,337	2,408
Italy	323	594	724	1,006	988	968	996	1,017	1,026
Spain	275	578	722	902	818	799	808	915	901
United Kingdom	463	801	1,045	1,240	1,386	1,560	1,601	1,580	1,568
West Germany	618	1,131	1,228	1,551	1,323	1,465	1,378	1,452	1,517
<b>Other countries</b>									
India	296	1,487	1,909	3,522	3,882	4,043	4,627	5,333	5,658
Mexico	155	438	732	904	1,112	1,255	1,088	1,193	1,320
Pakistan	NA	252	444	844	833	953	914	935	1,128
<b>Communist countries</b>									
USSR and Eastern Europe <sup>b</sup>	<b>1,600</b>	<b>7,520</b>	<b>11,400</b>	<b>12,600</b>	<b>12,900</b>	<b>13,600</b>	<b>14,900</b>	<b>14,700</b>	<b>15,500</b>
USSR	769	4,605	7,339	8,262	8,383	9,038	10,292	10,279	10,950
Eastern Europe	<b>832</b>	<b>2,920</b>	<b>4,060</b>	<b>4,370</b>	<b>4,540</b>	<b>4,560</b>	<b>4,660</b>	<b>4,370</b>	<b>4,510</b>
Bulgaria	101	379	380	450	518	536	550	479	474
Czechoslovakia	143	413	532	675	615	646	682	692	671
East Germany	235	511	678	752	750	607	694	697	770
Hungary	75	391	536	537	563	647	625	626	558
Poland	251	785	1,143	1,344	1,213	1,245	1,322	1,239	1,337
Romania	27	438	788	609	882	884	783	641	703
<b>Other</b>									
Albania	5	27	36	68	72	71	73	75	NA
China	614	3,923	6,116	12,112	11,528	12,211	13,679	14,800	12,049
North Korea	NA	270	414	550	564	564	583	590	NA
Yugoslavia	109	294	360	417	477	463	443	469	477

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



**Table 174**  
**Phosphate Fertilizer Consumption, Nutrient Content <sup>a</sup>**

*Thousand metric tons of P<sub>2</sub>O<sub>5</sub>*

	1960	1970	1975	1980	1981	1982	1983	1984	1985
<b>OECD</b>									
United States	2,488	4,358	4,742	4,930	4,367	3,754	4,446	4,210	3,770
Australia	572	743	490	853	754	730	773	731	784
Canada	169	326	503	634	636	652	713	728	700
Japan	491	656	623	690	701	721	765	777	741
New Zealand	225	321	386	338	326	330	375	380	335
Turkey	12	176	389	619	489	565	618	555	486
European Community	<b>3,150</b>	<b>4,930</b>	<b>4,440</b>	<b>4,920</b>	<b>4,590</b>	<b>4,590</b>	<b>4,680</b>	<b>4,620</b>	<b>4,510</b>
France	877	1,809	1,664	1,773	1,677	1,631	1,679	1,580	1,466
Italy	379	518	490	748	706	657	682	719	710
Spain	279	432	422	476	340	422	398	436	483
United Kingdom	426	543	391	404	445	464	474	469	439
West Germany	652	913	780	837	753	740	745	732	737
<b>Other countries</b>									
Brazil	77	377	1,014	1,988	1,318	1,210	992	1,541	1,312
India	56	462	374	1,091	1,172	1,201	1,372	1,814	2,055
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,800</b>	<b>5,150</b>	<b>7,530</b>	<b>8,520</b>	<b>8,920</b>	<b>8,760</b>	<b>9,330</b>	<b>9,520</b>	<b>10,400</b>
USSR <sup>b c</sup>	1,088	3,133	4,728	5,590	5,879	6,115	6,454	6,625	7,615
Eastern Europe <sup>c</sup>	<b>716</b>	<b>2,020</b>	<b>2,800</b>	<b>2,930</b>	<b>3,040</b>	<b>2,650</b>	<b>2,880</b>	<b>2,900</b>	<b>2,820</b>
Bulgaria	50	235	250	291	409	361	345	355	287
Czechoslovakia	150	325	456	495	494	479	529	524	537
East Germany	218	410	441	389	374	304	333	330	318
Hungary	66	217	429	390	398	392	410	431	336
Poland	180	595	887	885	817	826	900	885	900
Romania	52	235	338	476	551	288	360	371	444
<b>Other</b>									
Albania	2	18	25	17	6	29	25	18	18
China <sup>b</sup>	99	330	693	2,744	2,931	3,209	3,729	3,625	3,109
North Korea	NA	50	161	127	130	129	130	130	NA
Yugoslavia	71	182	197	209	268	235	241	255	261

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

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

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

**Table 175**  
**Potassium Fertilizer Consumption, Nutrient Content <sup>a</sup>**

*Thousand metric tons of K<sub>2</sub>O*

	1960	1970	1975	1980	1981	1982	1983	1984	1985
<b>OECD</b>									
United States	1,967	3,839	4,726	5,733	5,108	4,383	5,259	4,999	4,561
Japan	600	610	525	512	535	581	632	631	613
European Community	<b>2,960</b>	<b>4,230</b>	<b>3,950</b>	<b>4,560</b>	<b>4,440</b>	<b>4,590</b>	<b>4,720</b>	<b>4,260</b>	<b>4,600</b>
France	750	1,389	1,314	1,689	1,700	1,744	1,834	1,863	1,821
Italy	104	225	276	357	363	379	386	376	344
Spain	95	206	258	284	219	264	250	286	300
United Kingdom	450	535	384	410	470	521	542	541	517
West Germany	1,006	1,185	1,099	1,144	1,055	1,042	1,014	988	932
<b>Other countries</b>									
Brazil	107	306	558	1,307	767	876	727	1,074	1,059
India	28	228	227	618	670	622	629	846	854
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,830</b>	<b>5,000</b>	<b>8,660</b>	<b>7,890</b>	<b>8,260</b>	<b>8,080</b>	<b>9,290</b>	<b>9,260</b>	<b>9,850</b>
USSR <sup>b</sup>	766	2,574	5,176	4,904	4,905	4,991	6,200	6,167	6,822
Eastern Europe	<b>1,060</b>	<b>2,420</b>	<b>3,480</b>	<b>2,990</b>	<b>3,350</b>	<b>3,090</b>	<b>3,090</b>	<b>3,090</b>	<b>3,030</b>
Bulgaria	6	25	50	89	117	141	114	103	103
Czechoslovakia	217	489	670	560	611	617	565	533	527
East Germany	497	614	707	496	602	496	424	550	550
Hungary	27	229	553	472	524	490	551	467	444
Poland	313	1,036	1,431	1,270	1,315	1,111	1,202	1,157	1,176
Romania	3	28	71	101	185	237	230	278	227
<b>Other</b>									
Albania	1	2	2	4	3	8	5	1	1
China	0	12	112	478	693	616	810	770	804
Yugoslavia	103	156	163	198	265	242	236	252	254

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

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

**Table 176**  
**Grain Yields***Kilograms per hectare*

	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
<b>Developed countries</b>										
United States	2,467	3,043	3,157	3,461	3,774	4,374	3,542	4,380	4,768	4,706
Australia	1,299	974	1,219	1,414	1,052	875	1,647	1,609	1,459	1,576
Canada	1,495	1,730	2,106	2,051	2,167	2,486	2,208	2,035	2,236	2,626
Japan	4,115	4,398	5,123	5,932	4,841	5,308	5,300	5,958	5,849	5,899
South Africa	1,011	916	1,132	1,473	1,557	1,493	955	1,103	1,551	1,602
<b>European Community</b>										
France	2,524	3,107	3,380	3,694	4,852	5,009	4,951	5,974	5,750	5,243
Italy	1,828	2,399	2,755	3,347	3,521	3,585	3,526	3,927	3,767	3,857
United Kingdom	3,132	3,751	3,569	3,812	4,944	5,438	5,421	6,592	5,592	6,054
West Germany	3,189	2,820	3,337	4,016	4,429	4,858	4,562	5,303	5,283	5,292
<b>Other countries</b>										
Argentina	1,336	1,403	1,775	1,956	1,871	2,440	2,305	2,552	2,434	2,539
Bangladesh	<sup>a</sup>	1,674	1,673	1,832	2,006	1,996	2,059	2,147	2,211	2,323
Brazil	1,340	1,428	1,409	1,380	1,576	1,545	1,615	1,677	1,828	1,645
Burma	1,563	1,573	1,605	1,700	2,586	2,955	2,911	2,899	2,894	2,925
Egypt	NA	3,776	3,912	3,978	4,135	4,204	4,322	4,076	4,651	4,687
India	934	865	1,135	1,261	1,350	1,346	1,564	1,564	1,606	1,620
Indonesia	1,542	1,560	1,989	2,306	2,865	3,330	3,318	3,378	3,512	3,485
Mexico	1,020	1,295	1,518	1,670	2,157	2,357	2,174	1,978	2,172	2,096
Pakistan	1,247 <sup>a</sup>	887	1,230	1,391	1,610	1,637	1,675	1,545	1,609	1,797
Philippines	937	1,045	1,334	1,321	1,583	1,697	1,750	1,781	1,874	1,902
Thailand	1,398	1,785	2,038	1,894	1,931	1,923	2,050	2,119	2,138	1,941
Zimbabwe	NA	1,344	1,232	1,836	1,166	1,148	602	884	1,822	1,674
<b>Communist countries</b>										
<b>USSR and Eastern Europe</b>										
USSR	1,117	944	1,569	1,103	1,499	1,459	1,629	1,446	1,634	1,796
<b>Eastern Europe</b>										
Hungary	1,997	2,323	2,544	3,896	4,808	5,178	4,734	5,401	5,158	4,954
Poland	1,613	1,900	1,946	2,487	2,337	2,615	2,726	2,990	2,894	2,996
Romania	1,389	1,862	1,802	2,445	3,123	3,709	3,240	3,761	3,667	4,034
<b>Other</b>										
China	2,698	1,615	1,769	2,074	2,947	3,466	3,726	3,961	3,835	3,874
Vietnam	NA	1,954 <sup>b</sup>	2,095 <sup>b</sup>	2,213	2,085	2,394	2,535	2,639	2,693	2,761
Yugoslavia	1,962	2,060	2,374	3,184	3,633	4,018	3,938	4,218	3,746	4,372

<sup>a</sup> Bangladesh was a part of Pakistan.<sup>b</sup> Including North Vietnam and South Vietnam.

**Transportation**

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**Table 177**  
**Railroad Freight <sup>a</sup>***Billion metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	868.5	1,141.0	1,122.7	1,350.0	1,172.0	1,216.8	1,353.7	1,288.3	1,284.6
Canada	95.5	158.0	197.2	228.1	203.7	219.8	244.5	232.01	234.5
Japan	53.4	63.4	47.1	39.3	31.3	29.1	23.2	22.1	20.7
European Community	<b>175</b>	<b>213</b>	<b>180</b>	<b>197</b>	<b>176</b>	<b>175</b>	<b>178</b>	<b>184</b>	<b>NA</b>
France	56.9	70.4	64.0	69.5	61.2	59.4	60.1	58.5	53.9
Italy <sup>c</sup>	15.9	18.0	14.9	18.4	16.9	16.8	17.9	18.0	17.3
United Kingdom <sup>d</sup>	30.5	26.8	20.9	17.6	15.9	17.1	12.5	15.7	16.0
West Germany	52.3	71.3	55.1	65.3	57.3	55.9	59.8	63.9	61.1
<b>Other countries</b>									
India <sup>e f</sup>	87.8	127.4	148.2	157.1	174.4	175.8	172.5	196.5	206.2
South Africa <sup>e g</sup>	30.8	57.2	61.9	96.5	90.5	77.8	90.3	92.6	91.5
<b>Communist countries</b>									
USSR and Eastern Europe	<b>1,690</b>	<b>2,780</b>	<b>3,590</b>	<b>3,820</b>	<b>3,820</b>	<b>3,960</b>	<b>4,010</b>	<b>4,090</b>	<b>NA</b>
USSR	1,504.3	2,494.7	3,236.5	3,439.9	3,464.5	3,600.1	3,638.8	3,718.4	3,835.0
Eastern Europe	<b>187</b>	<b>284</b>	<b>354</b>	<b>381</b>	<b>351</b>	<b>360</b>	<b>370</b>	<b>368</b>	<b>NA</b>
Bulgaria	7.0	13.9	17.3	17.7	18.3	18.1	18.1	18.2	18.3
Czechoslovakia	47.4	61.0	69.3	72.6	71.6	73.1	74.0	73.6	NA
East Germany	32.9	41.5	49.7	56.4	54.0	54.9	56.7	58.7	NA
Hungary	13.3	19.8	23.5	24.4	23.3	23.1	22.8	22.3	22.6
Poland	66.5	99.3	129.2	134.7	112.7	118.0	123.5	120.6	121.8
Romania	19.8	48.0	64.8	75.5	71.1	72.3	75.2	74.2	NA
<b>Other</b>									
China	276.7	349.6	425.6	571.2	612.0	664.6	724.8	812.6	876.0
North Korea	9.1	14.3	24.3	33.5	40.3	39.6	40.7	NA	NA

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

<sup>c</sup> Excluding livestock.

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

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

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

<sup>g</sup> Including Namibia.

**Table 178**  
**Railroad Freight <sup>a</sup>***Million metric tons carried*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	1,180.5	1,426.3	1,368.5	1,645.0	1,426.0	1,481.0	1,647.0	1,567.0	1,562.0
Canada <sup>b</sup>	161.2	211.2	252.4	278.0	248.0	268.0	298.0	283.0	286.0
<b>European Community</b>									
France	227.0	260.0	228.0	229.0	202.0	195.0	198.0	193.0	178.0
United Kingdom <sup>c</sup>	253.1	209.0	176.0	150.0	135.0	146.0	106.0	134.0	137.0
West Germany <sup>b d</sup>	429.2	392.6	328.7	367.0	322.0	314.0	336.0	359.0	344.0
<b>Communist countries</b>									
USSR and Eastern Europe	<b>2,820</b>	<b>4,140</b>	<b>5,080</b>	<b>5,290</b>	<b>5,220</b>	<b>5,370</b>	<b>5,470</b>	<b>5,500</b>	<b>NA</b>
USSR	1,884.9	2,896.0	3,621.1	3,728.0	3,725.0	3,850.6	3,909.5	3,951.0	4,078.0
Eastern Europe	<b>931</b>	<b>1,240</b>	<b>1,460</b>	<b>1,560</b>	<b>1,490</b>	<b>1,520</b>	<b>1,560</b>	<b>1,540</b>	<b>NA</b>
Bulgaria	38.4	68.2	78.8	77.8	83.9	82.6	83.4	82.9	85.0
Czechoslovakia	194.1	236.9	271.4	286.0	288.9	292.1	299.0	293.2	NA
East Germany	237.8	262.9	289.0	311.6	322.5	325.6	337.4	347.9	NA
Hungary <sup>e</sup>	96.0	117.4	131.7	129.8	127.0	123.8	121.7	117.4	119.0
Poland	286.9	382.3	464.2	482.1	402.1	414.5	425.5	419.4	430.7
Romania	77.5	171.3	228.3	274.6	270.5	280.0	289.3	283.4	NA
<b>Other</b>									
China	NA	681.3	889.6	1,112.8	1,135.3	1,187.8	1,240.7	1,307.1	NA
Cuba	NA	11.7	10.9	14.1	18.2	17.7	18.4	18.4	18.4
North Korea	38.5	68.0	106.4	152.3	183.2	180.0	185.0	NA	NA

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

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

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

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

**Table 179**  
**Motor Vehicle Freight***Billion metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	323.85	675.85	744.75	910.43	853.01	943.23	994.08	1,000.64	1,043.30
Japan	20.80	135.92	129.70	178.90	187.72	193.53	200.81	205.94	211.97
<b>Communist countries <sup>b</sup></b>									
USSR and Eastern Europe	<b>117</b>	<b>278</b>	<b>433</b>	<b>558</b>	<b>596</b>	<b>595</b>	<b>583</b>	<b>579</b>	<b>NA</b>
USSR	98.52	220.83	337.93	432.10	485.30	485.80	475.10	476.16	NA
Eastern Europe	<b>18.8</b>	<b>57.0</b>	<b>94.7</b>	<b>126</b>	<b>111</b>	<b>109</b>	<b>108</b>	<b>NA</b>	<b>NA</b>
Bulgaria	2.04	7.90	12.39	15.89	16.73	16.94	17.12	18.72	NA
Czechoslovakia	5.11	10.09	15.02	21.33	20.96	20.64	20.91	21.50	NA
East Germany	5.00	12.23	16.69	21.02	16.24	15.38	14.49	15.06	NA
Hungary	NA	5.82	8.73	11.40	11.88	11.95	11.95	NA	NA
Poland	5.69	15.76	32.60	44.55	34.02	35.47	36.58	36.59	38.90
Romania	0.94	5.16	9.29	11.76	11.15	8.26	7.30	6.00	NA
<b>Other</b>									
China	13.20	13.80	20.30	76.40 <sup>c</sup>	94.90 <sup>c</sup>	108.40 <sup>c</sup>	153.60 <sup>c</sup>	177.00 <sup>c</sup>	203.20 <sup>c</sup>

<sup>a</sup> Total traffic for all urban streets and rural roads.<sup>c</sup> Including freight carried in vehicles by all sectors.<sup>b</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

**Table 180**  
**Motor Vehicle Freight <sup>a</sup>***Million metric tons carried*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Communist countries</b>									
USSR and Eastern Europe	9,920	17,800	25,900	30,100	31,700	31,600	30,700	NA	NA
USSR	8,493	14,623	20,914	24,149	26,500	26,400	25,600	25,800	NA
Eastern Europe	1,430	3,170	4,970	5,980	5,200	5,180	5,120	NA	NA
Bulgaria	128	493	724	816	880	907	914	874	NA
Czechoslovakia	428	703	997	1,235	1,281	1,266	1,258	1,238	NA
East Germany	270	464	588	730	608	584	561	555	NA
Hungary	135	407	501	584	578	562	554	NA	NA
Poland	408	863	1,743	2,168	1,379	1,397	1,420	1,394	NA
Romania	57	240	419	451	479	469	418	362	NA
<b>Other</b>									
China	708	568	725	760	787	791	789	762	NA
Cuba <sup>b</sup>	NA	24	47	70	80	76	74	75	74

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

<sup>b</sup> State transport only.



**Table 181**  
**Inland Water Freight***Billion metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	123.00	229.21	265.16	334.25	318.48	331.02	356.25	341.36	339.14
European Community									
France	10.77	14.18	11.90	12.15	10.19	9.45	8.90	NA	NA
Netherlands	20.02	30.74	29.60	33.48	31.39	32.30	33.59	NA	NA
West Germany	40.39	48.81	47.56	51.44	49.40	49.09	52.00	NA	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>107</b>	<b>186</b>	<b>235</b>	<b>260</b>	<b>277</b>	<b>287</b>	<b>280</b>	<b>276</b>	<b>NA</b>
USSR	99.60	173.98	221.71	244.90	262.40	273.20	264.30	261.50	255.40
Eastern Europe	<b>7.67</b>	<b>11.9</b>	<b>12.8</b>	<b>14.9</b>	<b>14.5</b>	<b>14.2</b>	<b>15.5</b>	<b>14.3</b>	<b>NA</b>
Bulgaria	0.62	1.83	2.39	2.61	2.54	2.33	2.64	2.04	2.43
Czechoslovakia	1.96	2.43	2.58	3.59	3.78	3.92	4.43	4.36	4.93
East Germany	2.25	2.36	2.36	2.16	2.29	2.42	2.64	2.43	2.89
Hungary	1.08	1.60	1.47	1.87	1.73	1.74	1.81	1.62	NA
Poland	0.90	2.36	1.95	2.33	1.57	1.45	1.44	1.41	1.62
Romania	0.86	1.35	2.08	2.35	2.56	2.30	2.50	2.41	NA

<sup>a</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1985, coastwise and foreign trade traffic within US waters together amounted to 105 billion metric ton-kilometers. In the same year, traffic on the Great

Lakes amounted to 71 billion metric ton-kilometers of domestic trade and 40 billion metric ton-kilometers of US foreign trade.

**Table 182**  
**Inland Water Freight***Million metric tons carried*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	358.56	502.22	528.17	570.77	518.05	508.28	565.73	552.40	548.80
European Community									
France	68.05	110.35	94.58	92.20	76.41	71.95	68.89	NA	NA
Netherlands	149.67	241.44	235.80	269.27	241.13	247.23	256.85	NA	NA
West Germany	171.36	240.00	227.30	240.98	221.90	223.94	236.48	NA	NA
<b>Communist countries</b>									
USSR and Eastern Europe	<b>235</b>	<b>395</b>	<b>524</b>	<b>638</b>	<b>669</b>	<b>673</b>	<b>692</b>	<b>704</b>	<b>NA</b>
USSR	210.32	357.80	475.50	568.10	604.50	606.70	619.10	633.00	649.00
Eastern Europe	<b>24.9</b>	<b>36.8</b>	<b>48.7</b>	<b>69.81</b>	<b>64.5</b>	<b>66.2</b>	<b>72.9</b>	<b>71.3</b>	<b>NA</b>
Bulgaria	1.56	3.69	4.41	4.94	4.98	4.78	4.90	4.00	4.52
Czechoslovakia	3.53	4.46	5.65	10.46	11.39	11.86	13.37	13.33	14.13
East Germany	12.63	13.66	14.59	16.30	16.83	17.47	18.70	17.70	21.05
Hungary	2.30	2.78	3.04	3.52	3.42	3.23	3.25	3.30	NA
Poland	2.95	8.84	14.89	22.25	13.71	14.28	15.45	14.54	14.88
Romania	1.91	3.40	6.10	12.34	14.20	14.56	17.20	18.40	NA
Other									
Cuba <sup>b</sup>	NA	0.93 <sup>c</sup>	4.83 <sup>d</sup>	5.25 <sup>d</sup>	5.24	5.62	5.77	5.51	5.50

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

<sup>b</sup> Coastal freight.

<sup>c</sup> Transported by Flota Propia.

<sup>d</sup> Transported by Flota Propia and companion boats.

**Table 183**  
**Ocean Freight <sup>a</sup>***Billion metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>Communist countries</b>									
USSR and Eastern Europe	<b>189</b>	<b>922</b>	<b>1,150</b>	<b>1,340</b>	<b>1,250</b>	<b>1,340</b>	<b>1,380</b>	<b>1,330</b>	NA
USSR <sup>b</sup>	131.5	656.1	736.3	848.2	834.5	891.7	933.0	905.0	967.8
Eastern Europe	<b>57.7</b>	<b>266</b>	<b>410</b>	<b>491</b>	<b>417</b>	<b>444</b>	<b>449</b>	<b>423</b>	NA
Bulgaria <sup>c</sup>	2.5	38.9	42.2	62.5	59.1	61.2	60.5	56.5	60.3
Czechoslovakia	7.5	10.5	12.0	12.4	14.1	13.6	14.1	14.2	NA
East Germany <sup>c</sup>	10.5	69.7	79.7	70.7	55.7	65.3	66.0	64.1	NA
Hungary <sup>d</sup>	1.3	2.7	4.0	7.6	7.9	8.0	9.2	8.8	8.4
Poland <sup>c e</sup>	34.8	106.6	206.1	257.4	191.7	197.1	193.4	176.1	172.7
Romania	1.1	37.5	66.3	80.3	88.1	98.3	106.1	103.4	NA

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

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

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

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

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

**Table 184**  
**Air Passengers***Billion passenger-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	62.5	212.0	262.0	405.9	404.3	423.8	465.9	498.8	522.8
Canada	4.3	15.4	25.0	36.2	32.3	31.5	34.2	35.3	NA
Japan	1.1	15.0	30.1	50.9	55.4	55.6	61.1	63.7	NA
<b>European Community</b>									
France	5.2	13.6	23.3	34.1	37.6	38.3	38.5	39.3	38.1
United Kingdom	7.3	19.0	30.2	56.1	49.2	49.7	50.4	57.3	50.8
<b>Communist countries</b>									
USSR	12.1	78.2	122.6	160.6	172.5	176.8	184.0	188.4	195.8

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

**Table 185**  
**Air Freight <sup>a</sup>***Million metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>b</sup>	1,377	7,277	8,603	10,359	9,963	10,755	11,983	11,661	12,350
Canada	66	425	628	823	912	990	1,126	1,156	NA
Japan	24	426	920 <sup>c</sup>	1,976 <sup>d</sup>	2,340 <sup>d</sup>	2,655 <sup>d</sup>	2,941 <sup>d</sup>	3,127 <sup>d</sup>	NA
<b>European Community</b>									
France	152	542	1,086	2,093	2,298	2,597	2,894	2,981	3,100
Netherlands	117	393	617	996	1,086	1,245	1,456	1,485	1,540
United Kingdom	181	617	933	1,544 <sup>e</sup>	1,382 <sup>e</sup>	1,528 <sup>e</sup>	1,858 <sup>e</sup>	1,982 <sup>e</sup>	2,010 <sup>e</sup>
West Germany	41	523	974	1,584	1,688	2,042	2,345	2,498	2,840
<b>Communist Countries</b>									
USSR	563	1,877	2,590	3,090	3,030	3,190	3,280	3,350	3,380

<sup>a</sup> Express freight, and mail traffic.<sup>b</sup> Revenue ton-kilometers flown on scheduled service of certificated route air carriers.<sup>c</sup> Japan Air Lines data only.<sup>d</sup> Japan Air Lines and Japan-Asia Airways.<sup>e</sup> Excluding airlines based in the UK territories and dependencies.**Table 186**  
**Civil Aircraft Inventory <sup>a</sup>***Units*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>United States <sup>b</sup></b>									
Jet	202	2,136	2,114	2,469	2,504	2,691	2,724	2,989	NA
Turboprop	227	374	260	267	159	204	185	231	NA
Piston	1,408	153	114	77	79	78	51	77	NA
<b>USSR <sup>c</sup></b>									
Jet	191	425	1,080	1,855	1,796	1,830	1,995	2,015	2,180
Turboprop	174	1,238	1,500	1,925	1,700	1,655	1,515	1,600	1,600

<sup>a</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>b</sup> Large aircraft only. Data for all cargo operators not available prior to 1980. This data refers to certificate route carriers, supplementals, commercial operators, and all cargo operators.<sup>c</sup> Data basically represent the inventory of Aeroflot—the Soviet civil airline.

**Table 187**  
**Petroleum Pipelines***Billion metric ton-kilometers*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States	333.8	629.2	740.2	858.5	826.3	811.7	829.3	823.4	846.8
<b>Communist countries</b>									
USSR and Eastern Europe	NA	<b>300</b>	<b>693</b>	<b>1,260</b>	<b>1,340</b>	<b>1,390</b>	<b>1,410</b>	<b>1,350</b>	NA
USSR	51.2	281.7	665.9	1,216.0	1,306.8	1,353.1	1,370.3	1,312.5	1,401.3
Eastern Europe	NA	<b>18.1</b>	<b>26.7</b>	<b>40.8</b>	<b>37.7</b>	<b>38.7</b>	<b>39.0</b>	<b>39.6</b>	NA
Bulgaria	0	0	0	0.8	1.1	1.1	0.9	1.0	NA
Czechoslovakia	NA	6.4	4.4	10.3	9.6	9.5	9.4	9.5	NA
East Germany	0	2.2	4.3	5.0	4.7	4.3	4.3	4.5	NA
Hungary	0.1	0.7	2.5	2.4	2.0	1.9	2.1	2.8	NA
Poland	NA	7.0	12.7	17.1	16.6	17.5	17.8	17.0	17.8
Romania	1.0	1.8	2.8	5.2	3.7	4.4	4.5	4.8	NA

**Table 188**  
**Petroleum Pipelines***Million metric tons carried*

	1960	1970	1975	1980	1982	1983	1984	1985	1986
<b>OECD</b>									
United States <sup>a</sup>	414.7	784.6	982.6	1,020.0	981.9	964.6	985.4	978.5	1,006.3
<b>Communist countries</b>									
USSR and Eastern Europe	NA	<b>400</b>	<b>603</b>	<b>772</b>	<b>787</b>	<b>797</b>	<b>799</b>	<b>787.0</b>	NA
USSR	129.9	337.9	496.8	626.9	640.9	648.7	648.0	631.0	653.0
Eastern Europe	NA	<b>61.8</b>	<b>106</b>	<b>145</b>	<b>146</b>	<b>149</b>	<b>151</b>	<b>156</b>	NA
Bulgaria	0	0	0	3.1	16.5	15.6	20.1	21.6	NA
Czechoslovakia	NA	13.4 <sup>b</sup>	14.9 <sup>b</sup>	21.5	19.2	19.1	16.5	19.1	NA
East Germany	0	15.4	32.1	41.6	38.8	39.3	37.3	38.3	NA
Hungary	1.2	6.3	13.8	15.8	16.5	16.0	16.7	16.7	NA
Poland	NA	15.4	30.5	40.7	36.7	39.3	39.8	38.7	40.1
Romania	5.6	11.3	14.5	22.5	18.1	19.3	20.6	21.3	NA

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

<sup>b</sup> Crude petroleum only.

**Table 189**  
**Mainline Locomotive Inventory <sup>a</sup>**

*Thousand units*

	1960	1970	1975	1980	1982	1983	1984	1985
<b>OECD</b>								
United States <sup>b</sup>	31.18	29.12	30.20	28.86	26.92 <sup>c</sup>	25.50 <sup>c</sup>	24.01 <sup>c</sup>	22.55 <sup>c</sup>
Canada	3.75	3.42	3.98	4.17	3.76	3.62	NA	NA
Austria	1.48	1.20	1.19	1.22	1.21	1.21	1.22	NA
Sweden	1.88	1.58	1.42	1.38	1.29	1.29	1.26	NA
Switzerland	1.10	1.33	1.42	1.45	1.45	1.43	1.43	NA
<b>European Community</b>	<b>46.6</b>	<b>27.2</b>	<b>25.4</b>	<b>24.5</b>	<b>24.4</b>	<b>23.6</b>	NA	NA
France	7.96	6.07	5.98	6.06	6.04	5.99	5.90	NA
Italy	5.28	3.58	3.63	3.72	3.84	3.71	NA	NA
Spain	3.64	1.70	1.14	1.21	1.23	1.30	1.38	NA
United Kingdom	16.05	4.45	3.86	3.53	3.23	3.06	2.92	NA
West Germany	10.44	8.05	7.65	7.10	7.02	6.85	6.68	NA
<b>Communist countries</b>								
<b>USSR and Eastern Europe</b>	<b>55.8</b>	<b>47.8</b>	<b>58.0</b>	<b>66.4</b>	NA	NA	NA	NA
USSR	34.00	28.90	37.13	45.95	50.60	NA	NA	NA
<b>Eastern Europe</b>	<b>21.8</b>	<b>18.8</b>	<b>20.9</b>	<b>20.5</b>	NA	NA	<b>20.3</b>	NA
Bulgaria	0.64	0.68	0.64	0.80	0.90	NA	0.96	NA
Czechoslovakia	5.23	4.60	4.98	4.27	NA	NA	4.64 <sup>d</sup>	NA
East Germany	6.00	5.00	5.92	5.62	5.52	NA	5.82	5.62
Hungary	2.46	2.00	1.92	2.40	1.70 <sup>d</sup>	NA	1.69 <sup>d</sup>	NA
Poland	5.80	5.07	5.52	5.68	5.13	5.17	5.20	5.18
Romania	1.72	1.50	1.88	1.70 <sup>d</sup>	2.00 <sup>d</sup>	NA	1.97	1.93
<b>Other</b>								
China	5.60	6.53	8.63	10.56	11.25	11.73	11.50	12.14
North Korea	0.35	0.49	0.67	0.87	1.00	1.06	1.12	1.17

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

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

<sup>c</sup> Class I locomotives only.

<sup>d</sup> Does not include steam locomotives.

**Table 190**  
**Railroad Freight Car Inventory <sup>a</sup>**

Thousand units

	1960	1965	1970	1975	1980	1982	1983	1984	1985
<b>OECD</b>									
United States <sup>b c</sup>	1,945.7	1,806.2	1,803.7	1,755.5	1,741.7	1,616.1	1,570.0	1,513.0	1,447.2
<b>European Community</b>									
France	362.6	362.3	302.4	283.9	253.1	245.9	239.8	233.8	NA
United Kingdom <sup>c d</sup>	956.0	605.6	383.9	239.7	137.6	87.9	69.8	59.5	NA
West Germany	309.6	329.5	321.0	335.1	334.2	327.0	316.7	311.5	NA
<b>Communist countries</b>									
<b>USSR and Eastern Europe</b>									
USSR	949.0	1,130.0	1,194.0	1,489.0	1,785.0	1,887.0	1,937.0	NA	NA
<b>Eastern Europe</b>									
Bulgaria	22.0	33.0	37.8	43.0	NA	22.9	NA	22.9	NA
Czechoslovakia	129.3	136.1	135.8	136.0	150.1	NA	NA	200.0	NA
East Germany	154.3	152.0	150.0	141.8	153.0	149.2	NA	156.0	150.0
Hungary	62.0	73.4	71.4	88.9	131.7	76.4	NA	74.4	NA
Poland	249.0	263.9	274.3	305.0	194.9 <sup>e</sup>	168.7 <sup>e</sup>	172.1 <sup>e</sup>	168.5 <sup>e</sup>	166.0 <sup>e</sup>
Romania	55.5	68.6	86.0	95.0	NA	89.3	NA	89.6	NA
<b>Other</b>									
China <sup>f</sup>	132.0	143.0	175.0	237.0	290.4	303.9	316.6	291.3	300.9
North Korea <sup>f</sup>	10.4	15.2	18.0	21.0	26.0	32.0	34.5	36.5	39.0

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

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

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

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

<sup>e</sup> PKP railroad cars only.

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

**Table 191**  
**Fishing Fleet Inventory <sup>a</sup>**

	1970		1975		1980		1984		1985		1986	
	<i>Number</i>	<i>Thousand GRT<sup>b</sup></i>	<i>Number</i>	<i>Thousand GRT</i>	<i>Number</i>	<i>Thousand GRT</i>	<i>Number</i>	<i>Thousand GRT</i>	<i>Number</i>	<i>Thousand GRT</i>	<i>Number</i>	<i>Thousand GRT</i>
<b>OECD</b>												
United States	201	74	1,743	398	2,537	524	3,137	627	3,163	638	3,148	643
Japan	2,386	978	3,149	1,217	2,989	1,107	2,958	1,090	2,917	1,080	2,828	1,080
Norway	635	182	621	211	715	240	615	225	589	210	593	223
European Community	<b>3,662</b>	<b>1,303</b>	<b>4,401</b>	<b>1,578</b>	<b>4,246</b>	<b>1,416</b>	<b>3,977</b>	<b>1,286</b>	<b>3,839</b>	<b>1,243</b>	<b>3,814</b>	<b>1,225</b>
France	660	195	620	200	514	170	483	159	481	160	362	132
Netherlands	284	57	392	93	386	94	436	125	432	129	429	130
Portugal	158	110	197	127	172	127	186	124	191	124	192	125
Spain	1,364	433	1,744	552	1,776	558	1,563	492	1,534	488	1,523	482
United Kingdom	577	235	618	236	516	169	340	94	324	86	319	77
West Germany	182	147	147	145	136	117	126	82	115	67	104	44
<b>Communist countries</b>												
USSR and Eastern Europe	<b>3,428</b>	<b>4,442</b>	<b>4,717</b>	<b>6,563</b>	<b>5,179</b>	<b>7,497</b>	<b>4,168</b>	<b>7,123</b>	<b>4,182</b>	<b>7,270</b>	<b>3,903</b>	<b>7,628</b>
USSR	3,055	3,997	4,219	5,937	4,564	6,678	3,597	6,329	3,628	6,483	3,341	6,847
Eastern Europe	<b>373</b>	<b>445</b>	<b>498</b>	<b>626</b>	<b>615</b>	<b>819</b>	<b>571</b>	<b>794</b>	<b>554</b>	<b>787</b>	<b>562</b>	<b>781</b>
Bulgaria	17	55	34	94	40	110	39	108	39	106	38	103
East Germany	172	136	164	147	171	173	139	154	139	154	138	153
Poland	176	231	270	282	357	354	331	308	325	307	325	305
Romania	8	23	30	103	47	182	62	224	51	220	61	220
<b>Other</b>												
Cuba	167	66	181	81	264	172	265	168	265	168	265	142
Yugoslavia	3	1	3	1	8	3	13	2	13	2	19	2

<sup>a</sup> Data are as of midyear.

<sup>b</sup> Gross register tons; excluding ships under 100 GRT.



**Table 192**  
**Merchant Fleet Inventory <sup>a</sup>**

	1965		1970		1975		1980		1984		1985	
	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>
World total	17,825	214,069	19,503	325,149	22,353	556,388	23,855	638,080	24,669	646,889	25,010	641,093
Non-Communist countries	16,243	202,277	17,020	303,720	19,222	523,247	20,035	590,670	20,442	589,182	20,685	579,558
OECD	12,440	148,453	12,164	208,962	11,286	316,611	10,971	323,208	9,173	274,404	8,632	247,302
Non-European Community	6,573	80,586	6,291	109,801	5,341	158,533	4,556	145,347	4,280	137,166	4,104	125,059
United States <sup>b</sup>	2,376	28,283	1,579	21,346	857	17,694	568	20,169	503	20,811	503	20,811
Japan	1,333	16,450	2,109	39,142	2,051	63,238	1,843	57,322	1,695	58,201	1,675	57,541
Norway	1,365	23,538	1,173	32,374	991	47,796	613	36,789	490	26,912	402	18,202
Sweden	443	5,643	366	6,898	324	12,723	258	6,378	232	3,983	212	3,705
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,274	24,689	1,360	27,259	1,312	24,800
European Community	5,867	67,867	5,873	99,161	5,945	158,078	6,415	177,861	4,893	137,238	4,528	122,243
France	542	6,406	457	9,007	444	17,690	354	20,327	293	14,060	273	11,911
Greece <sup>c</sup>	916	10,388	1,195	18,214	1,804	37,638	2,835	67,067	2,020	59,519	1,681	51,457
Italy	588	6,917	625	9,803	633	16,081	647	17,331	598	14,391	585	11,850
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,313	45,386	699	24,338	667	24,274
West Germany	843	7,184	993	11,697	611	13,453	470	11,630	455	7,831	505	6,866
Other	926	10,587	831	13,375	877	18,303	796	16,120	828	17,099	817	15,885
Non-OECD countries	3,803	53,824	4,856	94,758	7,936	206,636	9,064	267,462	11,269	314,778	12,053	332,256
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	4,863	189,477	5,814	196,522	5,859	192,885
Cyprus	21	207	217	1,933	573	4,762	347	2,212	573	12,084	721	15,626
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,191	150,058	1,832	120,860	1,688	109,993
Panama	564	7,228	629	9,140	1,556	22,112	2,325	37,207	3,409	63,578	3,450	67,266
Other countries	1,905	15,483	2,170	22,693	3,261	47,068	4,201	77,985	5,455	118,256	6,194	139,371
Brazil	227	1,590	201	2,017	260	4,546	278	7,681	321	9,467	326	10,047
India	210	2,266	242	3,709	308	6,943	365	9,359	374	10,469	359	10,672
Malaysia/Singapore	8	19	99	643	429	8,118	651	12,571	644	13,466	616	13,173
Other	1,460	11,608	1,628	16,324	2,264	27,461	2,907	48,374	4,116	84,854	4,893	105,479

**Table 192 (continued)**  
**Merchant Fleet Inventory <sup>a</sup>**

	1965		1970		1975		1980		1984		1985	
	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>
Communist countries	<b>1,582</b>	<b>11,792</b>	<b>2,483</b>	<b>21,429</b>	<b>3,131</b>	<b>33,141</b>	<b>3,820</b>	<b>47,410</b>	<b>4,227</b>	<b>57,707</b>	<b>4,325</b>	<b>61,535</b>
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,527	30,144	2,551	33,098	2,573	34,119
USSR <sup>d</sup>	985	7,961	1,395	11,921	1,622	15,044	1,725	18,919	1,757	21,150	1,757	21,150
Eastern Europe	186	1,501	544	4,924	668	8,293	802	11,225	794	11,948	816	12,968
Bulgaria <sup>e</sup>	60	548	106	948	110	1,228	103	1,617	105	1,784	108	1,821
Czechoslovakia <sup>f</sup>	9	105	12	138	14	221	16	227	19	275	19	274
East Germany	60	550	130	1,310	146	1,729	158	1,864	150	1,704	148	1,645
Hungary	17	23	16	28	16	67	22	114	19	107	19	107
Poland <sup>g</sup>	10	105	230	2,000	289	3,866	312	4,705	267	4,145	266	4,692
Romania	30	170	50	500	93	1,182	191	2,698	234	3,933	256	4,429
Other	411	2,330	544	4,584	841	9,804	1,293	17,266	1,676	24,609	1,752	27,416
Albania <sup>h</sup>	8	44	11	72	11	72	10	74	11	53	11	77
China	190	1,075	269	1,944	495	6,082	870	11,800	1,202	18,173	1,271	20,763
Cuba	31	203	53	428	64	581	78	893	93	991	96	1,004
Yugoslavia	180	1,000	200	2,100	229	2,826	262	3,785	265	4,216	262	4,340
Other <sup>i</sup>	2	8	11	40	42	243	73	714	105	1,176	112	1,232

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

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

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

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

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

<sup>g</sup> Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1985, there were 13 of these ships.

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

<sup>i</sup> Including North Korean and Vietnamese vessels.

**Table 193**  
**Tanker Fleet Inventory <sup>a</sup>**

	1965		1970		1975		1980		1984		1985	
	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	5,439	379,870	5,574	337,983	5,473	313,457
Non-Communist countries	3,290	85,629	3,759	146,555	4,736	292,241	4,910	366,529	4,976	324,210	4,859	299,183
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,855	197,426	2,497	156,491	2,329	136,212
Non-European Community	1,274	32,365	1,328	48,690	1,469	88,179	1,450	97,251	1,349	85,902	1,255	74,424
United States <sup>b</sup>	341	7,561	294	7,739	267	9,711	273	15,024	247	15,783	233	15,385
Japan	236	6,965	368	16,036	531	33,950	567	34,486	493	31,541	482	29,636
Norway	467	13,599	363	17,351	332	28,467	273	28,899	247	20,922	191	13,990
Sweden	73	2,098	80	2,887	79	6,524	69	4,087	70	2,151	64	2,049
Other	157	2,142	223	4,677	260	9,527	268	14,755	292	15,505	285	13,364
European Community	1,076	26,518	1,200	48,262	1,448	85,567	1,405	100,175	1,148	70,589	1,074	61,788
France	157	3,682	135	5,799	154	13,190	120	16,632	90	10,280	83	8,432
Greece <sup>c</sup>	129	2,970	216	7,714	345	15,557	422	27,997	315	24,751	261	21,220
Italy	143	2,872	198	4,585	236	7,953	247	11,758	233	9,234	224	6,689
United Kingdom	441	11,562	434	20,863	459	32,869	426	30,733	266	15,341	263	16,157
West Germany	48	1,295	59	2,956	83	5,627	67	5,353	89	3,115	86	2,207
Other	158	4,137	158	6,345	171	10,371	123	7,702	155	7,868	157	7,083
Non-OECD countries	940	26,746	1,231	49,603	1,819	118,495	2,055	169,103	2,479	167,719	2,530	162,971
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,252	130,445	1,368	114,762	1,376	107,947
Cyprus	1	13	13	214	47	860	21	194	76	6,302	102	7,421
Liberia	534	19,018	730	36,802	1,014	89,470	943	116,018	761	87,343	701	77,991
Panama	151	4,279	173	5,692	238	10,224	288	14,233	531	21,117	573	22,535
OPEC	38	571	42	1,315	82	4,245	206	12,740	305	15,228	320	14,843
Iraq	0	0	0	0	10	380	22	2,164	18	1,415	18	1,384
Kuwait	3	161	6	787	7	1,150	22	2,613	31	2,505	34	3,330
Libya	0	0	0	0	5	410	14	1,506	12	1,413	12	1,348
Venezuela	14	284	16	372	15	440	13	409	24	876	22	800
Other	21	126	20	156	45	1,865	135	6,047	220	9,019	234	7,981
Other Non-OPEC	216	2,865	273	5,580	438	13,696	597	25,918	806	37,729	834	40,181
Brazil	46	604	45	810	53	944	74	5,032	89	5,454	94	5,739
India	8	217	13	510	25	1,510	47	3,467	62	4,086	68	4,397
Other	162	2,044	215	4,260	360	11,242	476	17,419	655	28,189	672	30,045

**Table 193 (continued)**  
**Tanker Fleet Inventory <sup>a</sup>**

	1965		1970		1975		1980		1984		1985	
	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>	<i>Number</i>	<i>Thousand DWT</i>
Communist countries	243	3,947	360	5,895	441	9,426	529	13,341	598	13,773	614	14,274
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	361	10,081	400	10,225	400	10,154
USSR <sup>d</sup>	184	3,125	265	4,389	280	4,796	310	7,537	359	8,274	361	8,266
Eastern Europe	28	437	36	719	51	2,179	51	2,544	41	1,951	39	1,888
Bulgaria	11	160	18	267	20	472	18	549	15	506	15	506
East Germany	10	144	9	288	16	612	12	427	9	225	7	162
Poland	5	95	5	95	8	665	13	982	9	538	9	538
Romania	2	38	4	69	7	430	8	586	8	682	8	682
Other	31	385	59	787	110	2,451	168	3,260	198	3,548	214	4,120
China	19	135	38	375	80	1,916	132	2,513	165	2,640	180	3,103
Cuba	2	5	3	26	6	75	11	111	13	116	13	116
Yugoslavia	10	245	15	380	14	378	13	434	10	417	11	526
Other <sup>e</sup>	0	0	3	6	10	82	12	202	10	375	10	375

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

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

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

<sup>e</sup> Including North Korean and Vietnamese vessels.

**Table 194**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)		Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD			OECD (continued)		
Australia	Dampier	275	Italy (cont.)	Bari	239
	Port Hedland	227		Falconare	263
	Port Walcott	279		Fiumicino	285
	Sidney	273		Genoa	300
Canada	Seven Islands	275		Imperia	239
	St. John	357		La Spezia	255
	Vancouver	238		Livorno	269
	Victoria	238		Mililli	263
Denmark	Skaw	259		Multedo	255
Finland	Skoldvik	259		Oristano	239
France	Antifer	555		Palermo	255
	Brest	319		Porto Empedocle	239
	Cherbourg	358		Priolo	285
	Donges	282		Ravenna	239
	Dunkirk	271		Sarroch	255
	Fossumer	361		Savona	241
	Lauera	259		Taranto	275
	Le Havre	362		Venice	239
	Marseilles	255	Japan	Aioi	279
	Port De Bouc	239		Buckner Bay	230
	Port Vendres	239		Chiba	285
	Sète	281		Fukuoca	238
	Ushant	363		Fukuyama	290
Greece	Agiori Theodoroi	339		Hakata	238
	Pachia Ammos	555		Heianza Island	290
	Patras	239		Himeji	267
	Piraeus	555		Hirohata	279
Ireland	Dublin	273		Ishinomaki	210
Italy	Augusta	318		Kagoshima	238
	Augusta Bay	291		Kashima	279

**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Port		Largest Loaded Tanker Accommodated (Thousand DWT)	Port		Largest Loaded Tanker Accommodated (Thousand DWT)
OECD			OECD (continued)		
Japan (cont.)	Kawasaki	234	Japan (cont.)	Wakamutsu	276
	Kiire	484		Yokkaichi	276
	Kisarazu	306		Yokohama	290
	Kobe	273	Netherlands	Amsterdam	239
	Kure	306		Europort	424
	Kyushu	238		Flushing	290
	Mizushima	258		Hook of Holland	269
	Muroran	261		Ouderkerk	274
	Mutsure	238		Pernis	363
	Nagasaki	258		Rotterdam	390
	Nagoya	286		Ymuiden	275
	Nakagusuku	225	Norway	Aalesund	422
	Naoetsu	238		Bergen	290
	Oita	306		Holmestrand	290
	Okinawa	290		Naruik	270
	Osaka	232		Vestnes	555
	Sakai	285		Volda	259
	Sakaide	239	Portugal	Aveiro	239
	Sasebo	279		Lisbon	555
	Shimizu	234		Madeira	228
	Shimotsu	275		Setubal	323
	Shiogama	236		Sines	323
	Tachibana Bay	232		St. Michaels	275
	Toba	261		St. Vincent Po	230
	Tobata	275	Spain	Algeciras	422
	Tokuyama	237		Bilbao	311
	Tokyo	306		Cadiz	285
	Toma Komai	285		Ceuta	275
	Ube	268		Corunna	228
	Uraga	380		Europa Point	273

**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Port		Largest Loaded Tanker Accommodated (Thousand DWT)	Port		Largest Loaded Tanker Accommodated (Thousand DWT)
OECD			OECD (continued)		
Spain (cont.)	Ferrol	230	United Kingdom (cont.)	Immingham	285
	La Coruna	363		Lock Striven	318
	Las Palmas	408		Lyme Bay	318
	Malaga	285		Milford Haven	283
	Santa Cruz De Tene	269		Moray Firth	284
	Tarragona	318		Newhaven	285
	Tenerife	409		Pembroke Dock	273
	Valencia	239		Shell Haven	318
Sweden	Brofjorden	282		Solent Anchorage	269
	Gothnburg	318		Southampton	280
	Rorvik SW	278		Sullum Voe	318
Turkey	Ceyhan Terminal	293	United States	Cape Flattery	238
United Kingdom	Amlwch	318		Cape Henry	274
	Angle Bay	285		Colombia River	268
	Angleoov	285		Coos Bay	238
	Barking	269		Corpus Christi	338
	Berry Head	447		Delaware Bay	268
	Brixham	290		Everett	238
	Burntisland	274		Freeport US	345
	Coryton	285		Galveston	318
	England	285		Gulf Coast	361
	Falmouth Bay	259		Hampton Roads	273
	Fawley	330		Hinchinbrook	269
	Finnart	278		Long Beach	267
	Firth of Clyde	325		Loop Terminal	424
	Fishguard	285		Los Angeles	268
	Folkestone	285		Miami	284
	Gravesend	285		New Orleans	424
	Greenock	279		Nikishka	248
	Hound Point	285		Norfolk	274

**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Port		Largest Loaded Tanker Accommodated (Thousand DWT)	Port		Largest Loaded Tanker Accommodated (Thousand DWT)
<b>OECD</b>			<b>Other Countries (continued)</b>		
United States (cont.)	Pascagoula	413	Barbados (cont.)	Bridgetown	268
	Philadelphia	275	Brazil	Angra Dos Reis	412
	Point Conception	240		Itaqui	248
	Point Ferren	259		Nictheroy	253
	Port Arthur	362		Rio de Janeiro	282
	Portland Or.	228		Salvador	248
	Sabine	284		Santos	269
	Sabine Pass	278		Sas Luiz de Maranh	306
	San Diego	228		Sao Sebastiao	390
	San Francisco	269		Sepeitaba Terminal	275
	Seal Beach	267		Tubarao	290
	Seward	238	Brunei	Brunei	380
	Southwest Pass	413		Seria	233
	Tacoma	238	Cape Verde	Porto Grande	422
	Texas City	273		St. Vincent CV	280
	Valdez	269	Chile	Punta Arenas	269
West Germany	Bremen	269	Cyprus	Limassol	239
	Hamburg	424	Djibouti	Djibouti	277
	Rendsburg	249	Egypt	Adabiya	307
	Wilhelmshaven	358		Alexander Eg	264
<b>Other Countries</b>				Sadat	277
Bahamas	Greeport BF	424		Sidikerir	345
	Great Isaac Island	276		Sukhna	361
	Hole in the Wall	270	El Salvador	Acajutla	273
	South Riding Point	424	Gabon	Port Gentil	280
Bahrain	Bahrain	372	Hong Kong	Hong Kong	273
	Mina Sulman	357	India	Bombay	271
	Sitrah	295		Mormugao	228
	Sitrah Anchorage	240		Vadinar Terminal	269
Barbados	Barbados	316	Indonesia	Balik Papan	268



**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Port		Largest Loaded Tanker Accommodated (Thousand DWT)	Port		Largest Loaded Tanker Accommodated (Thousand DWT)	
Other Countries (continued)			Other Countries (continued)			
Indonesia (cont.)	Belawan	232	Mexico (cont.)	Coatzacoalcos	274	
	Blang Lancang	216		Dos Bocas	285	
Iran	Hormuz Island	259	Mazatlan	254		
	Kharg Island	372	Salina Cruz	276		
	Sirri Island	447	Morocco	Tangier	279	
Israel	Ashdad	268	Netherlands Antilles	Aruba	424	
	Haifa	268	Bonaire Island	424		
Ivory Coast	Abidjan	318	Bullen Bay	424		
Jordan	Aqaba	280	Curcao	279		
Kuwait	Kuwait	228	St. Eustatius	424		
	Mena Abdulla	323	Nigeria	Bonny	355	
	Mina Abd Allah	228		Brass River	283	
	Mina Al Ahmadi	408		Escravos	285	
	Mina Saud	264		Escravos River	285	
	Sea Island KU	295		Forcados	355	
	Shuaiba	330		Que Iboe	285	
	Liberia	Monrovia		272	North Korea	Unggi
Libya	Marsa El Brega	290		Oman	Al Matrah	323
Malaysia	Batu Pahat	285	Khor Fakkan Anchor	355		
	Johore River	274	Mina Al Faha	289		
	Keland	232	Mina Al Fahal	273		
	Labuan	380	Oman	390		
	Pasir Gudang	268	Qaboos	240		
	Penang	424	Quoin Island	318		
	Malta	Malta	362	Ras Al Hadd	284	
		Marsaxlo KK	270	Salala	276	
St. Pauls Bay		318	Pakistan	Karachi	284	
Valletta	Valletta	270	Port Muhammed Bin	254		
	Mauritius	217	Panama	Cape Mala	267	
Mexico	Cayos Arcas Termin	565		Puerto Armuelles	267	

**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Other Countries (continued)			Other Countries (continued)		
	Port	Largest Loaded Tanker Accommodated (Thousand DWT)		Port	Largest Loaded Tanker Accommodated (Thousand DWT)
Philippines	Bataan	278	South Korea	Inchon	261
	Batangas	270		Masan	273
	Limay	283		Mokpo	284
	Manila	267		Pusan	285
	Subic Bay	219		Ulsam	484
	Villanueva	276		Yosu	273
Qatar	Doha	307	Sri Lanka	Colombo	276
	Halul Island	316	St. Lucia	Cul-de-Sac	339
	Qatar	316	Port Casteries	253	
	Qatar Anchorage	257	St. Lucia	339	
Saudi Arabia	Umm Said	316	Suriname	Paramaribo	259
	Jeddah	484	Sweden	Brofjorden	282
	Juaymah Terminal	555		Gothenburg	318
	Jubail	338		Rorviksw	278
	Juddah	358	Taiwan	China Nationalist	285
	Ras Al Khafi	284		Kaohsiung	424
	Ras Tanura	484		Keelung	284
	Ras Tanura Entry	228		Taiwan	285
	Yanbu	362	Thailand	Bangkok	484
	Yenbo	555		Phuket	290
Senegal	Dakar	339	Trinidad & Tobago	Pointe A Piezze	274
	Senegal	284		Port of Spain	273
	St. Louis	249	Tunisia	la Goulette	239
Singapore	Pulo Bukom	358	Turkey	Ceyhan Terminal	293
South Africa	Cape Agulhas	274	United Arab Emirates	Abu Al Bukhoosh	290
	Cape Town	413		Abu Dhabi	316
	Durban	290		Al Ruwais	238
	East London	225		Arzanah Island	269
	Richards Bay	361		Das Island	413
	Robben Island	413		Dubai	412

**Table 194 (continued)**  
**Offloading Ports Accessible to Fully Loaded Tankers**  
**of 200,000 Deadweight Tons and Larger, January 1987**

Port	Largest Loaded Tanker Accommodated (Thousand DWT)	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
Other Countries (continued)		Other Countries (continued)	
United Arab Emirates (cont.) Fateh Terminal	363	United Arab Emirates (cont.) Zirku Island	361
Fujairah	565	USSR Melkaya	285
Hamriyah	274	Venezuela Punta Cardon	257
Hamriyah Terminal	274	Virgin Island Christiansted	259
Jebel Ali	413	Hovic	284
Jebel Dhanna	361	St. Croix	284
Khor Al Fakkan	413	Yemen Aden	407
Mubarras Terminal	239	Yugoslavia Omisalj	339
Ras Al Khaimah	372		
Sharjah	319		

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**Conversion Factors**

To Convert From	To	Multiply By	To Convert From	To	Multiply By
Acres	Hectares	0.4046856	Meters, cubic	Tons, register	0.353147
Acres	Kilometers, square	0.004046856	Miles, nautical	Kilometers	1.852
Acres	Meters, square	4046.856	Miles, statute	Centimeters	160934.4
Centimeters	Meters	0.01	Miles, statute	Meters	1609.344
Centimeters, square	Meters, square	0.0001	Miles, statute	Kilometers	1.609344
Degrees, Fahrenheit	Degrees, Celsius	subtract 32 and multiply by 5/9	Miles, square	Hectares	258.9998
Feet	Centimeters	30.48	Miles, square	Kilometers, square	2.589998
Feet	Meters	0.3048	Ounces, avoirdupois	Grams	28.349523
Feet	Kilometers	0.0003048	Ounces, avoirdupois	Kilograms	0.028349523
Feet, cubic	Liters	28.316847	Ounces, troy	Pounds, troy	0.083333
Feet, cubic	Meters, cubic	0.028316847	Ounces, troy	Grams	31.10348
Feet, square	Centimeters, square	929.0304	Pints, liquid	Milliliters	473.176473
Feet, square	Meters, square	0.09290304	Pints, liquid	Liters	0.473176473
Gallons, US liquid	Liters	3.785412	Pounds, avoirdupois	Grams	453.59237
Gallons, US liquid	Meters, cubic	0.003785412	Pounds, avoirdupois	Kilograms	0.45359237
Grams	Ounces, troy	0.032151	Pounds, avoirdupois	Quintals	0.00453592
Grams	Pounds, troy	0.002679	Pounds, avoirdupois	Tons, metric	0.000453592
Hectares	Kilometers, square	0.01	Pounds, troy	Ounces, troy	12
Hectares	Meters, square	10,000	Pounds, troy	Grams	373.241722
Inches	Centimeters	2.54	Quarts, dry	Liters	1.101221
Inches	Meters	0.0254	Quarts, dry	Dekaliters	0.1101221
Inches, cubic	Milliliters	16.387064	Quarts, liquid	Milliliters	946.352946
Inches, cubic	Liters	0.016387064	Quarts, liquid	Liters	0.946352946
Inches, cubic	Meters, cubic	0.000016387064	Quintals	Tons, metric	0.1
Inches, square	Centimeters, square	6.4516	Tons, long	Kilograms	1016.047
Inches, square	Meters, square	0.00064516	Tons, long	Tons, metric	1.016047
Kilograms	Ounces, troy	32.15075	Tons, metric	Quintals	10
Kilograms	Pounds, troy	2.679229	Tons, metric	Ounces, troy	32,150.7
Kilograms	Tons, metric	0.001	Ton-miles, long	Ton-kilometers, metric	1.635169
Kilometers, square	Hectares	100	Ton-miles, short	Ton-kilometers, metric	1.459972
Liters	Milliliters	1000	Tons, register	Meters, cubic	2.831685
Liters	Meters, cubic	0.001	Tons, short	Kilograms	907.185
Meters	Millimeters	1000	Tons, short	Tons, metric	0.907185
Meters	Centimeters	100	Yards	Centimeters	91.44
Meters	Kilometers	0.001	Yards	Meters	0.9144
Meters, cubic	Liters	1000	Yards, cubic	Meters, cubic	0.7645549
			Yards, square	Meters, square	0.836127