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Foreign  
Assessment  
Center**

*10/78*

# **Handbook of Economic Statistics 1978**

**A Research Aid**

*ER 78-10365  
October 1978*

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# Handbook of Economic Statistics 1978

Comments and queries regarding this Handbook are welcome. They may be directed to the Public Affairs Staff [redacted] The principal statistician [redacted] Office of Economic Research, Central Intelligence Agency, Washington, D.C. 20505.

STAT

*China Economic Indicators; Pick up.  
cotton cloth  
sugar  
lumber*

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## FOREWORD

1. *Purpose and Scope*

The *Handbook of Economic Statistics, 1978*, provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1965, and 1970-77. 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.

2. *Rounding of the Totals*

The totals have been rounded, with some exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation, and, 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.

3. *Symbols*

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

4. *Sources*

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are estimates of this Office, official data from the country cited, or estimates made by other organizations. The data for

the non-Communist countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), publications of US government agencies, or unclassified publications of other international organizations or individual countries, or are estimates of this Office.

5. *Terms*

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

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

The definition of *less developed countries* for economic and military aid conforms to that used by

the Development Assistance Committee and other aid agencies and includes the following non-Communist countries: (1) all independent countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Hong Kong and Japan, (3) Malta, Portugal, and Spain in Europe, (4) all countries in

Latin America, except Cuba, and (5) all countries in the Middle East and South Asia.

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

	FIGURE	PAGE
GRAPHIC SUMMARY	① World Gross National Product, 1977 .....	1
	② Deviation of Real Gross National Product from the Long-Term Trend ..	2
	③ Real Gross National Product Trends .....	3
	④ Foreign Exchange Value of the US Dollar .....	4
	⑤ Current Account Balances .....	5
	⑥ OECD: Industrial Production Growth Trends .....	6
	7 Minerals Imports as a Share of Consumption, 1977 .....	7
	<b>TABLE</b>	
ECONOMIC PROFILE <i>JM</i>	1 Developed Countries and Communist Countries .....	8-9
	2 Organization of Petroleum Exporting Countries .....	10
	3 Less Developed Countries .....	11
	4 Selected World Statistics .....	12
	5 Indicators of Living Standards for the US and USSR .....	13
	6 Commodity Production of the US and USSR .....	14-15
AGGREGATIVE TRENDS <i>JM</i>	7-9 Gross National Product .....	17-19
	10 Real Gross National Product Growth .....	20
	11 Real Gross National Product Per Capita Growth .....	21
	12 Gross National Product Price Deflators .....	22
	13 Gross Investment as a Share of Gross National Product .....	22
	14 Economic Indicators Growth .....	23
	15 Economic Indicators for Selected Less Developed Countries .....	24
	16 Current Account Balance .....	25
	17 International Reserves .....	26
	18-19 Industrial Production .....	27-28
	20 Industrial Production, by Month .....	29
	21 Agricultural Production .....	30
	22 Defense Expenditures .....	31
	23 Metal Prices .....	32
	24 Agricultural Prices .....	32
	25 Oil Prices .....	33
	26 Consumer Price Index .....	34
	27 Consumer Price Inflation, by Month .....	35
	28 Wholesale Price Index .....	36
	29 Wholesale Price Inflation, by Month .....	37
	30 Population .....	38
	31-34 Labor Force .....	39-41
	35 Unemployment Rate .....	42
36 Unemployment Rates, by Month .....	43	
37 Exchange Rates .....	44	
SOVIET ECONOMIC PERFORMANCE <i>JM</i>	38 Gross National Product .....	45
	39 Gross Fixed Capital Investment .....	45
	40 Stock of Fixed Capital .....	46
	41 Aggregate Factor Productivity .....	46
	42 Industrial Factor Productivity .....	47
	43 Industrial Production, by Sector .....	47
	44 Balance of Payments .....	48
	45 Drawings and Scheduled Repayments on Western Credits .....	48
	46 Gold Production and Reserves .....	49
	47 State Budget .....	49
48 Economic Plans .....	50	
FOREIGN TRADE <i>JD</i>	49 Trade with the World, by Commodity .....	51-52
	50-52 Trade of the Non-Communist Countries' .....	53-55
	53 Direction of Foreign Trade of the Big Seven .....	56
	54 Foreign Trade of the Big Seven, by Month .....	57-58
	55 Exports of the Big Seven, by Commodity .....	59
	56 Imports of the Big Seven, By Commodity .....	60
	57 Trade Balance of the Big Seven, by Commodity .....	61
	58 Oil Import Bill .....	62
	59-61 Soviet Trade .....	62-63
	62-64 Chinese Trade .....	64-65
65-67 East European Trade .....	66-68	



	TABLE	PAGE
AID CW	68 Net Financial Flows .....	69
	69-70 Gross Official Bilateral Capital Flows .....	69-70
	71 Economic Loans and Grants by the United States .....	71
	72 Military Deliveries by the United States .....	72
	73 Economic Extensions and Drawings by the Communist Countries .....	73
	74 Military Agreements Concluded and Deliveries by the Communist Countries .....	73
	75 Economic Extensions by the USSR .....	74
	76 Economic Extensions to the Communist Countries by the USSR .....	75
	77 Arms Exports .....	75
	78 Economic Extensions by China .....	76
	79 Economic Extensions by Eastern Europe .....	77
	80 Trainees Departing for Training in Communist Countries .....	78
	81 Military Personnel Trained in Communist Countries .....	78
82 Economic Technicians .....	79	
ENERGY J	83 Primary Energy .....	81
	84 Primary Energy Consumption .....	82
	85 Primary Energy, by Type .....	83
	86 Crude Oil, Natural Gas, and Coal Proved and Probable Reserves .....	84
	87 Crude Oil Refining Capacity .....	85
	88 Crude Oil .....	86
	89 Crude Oil Consumption .....	87
	90 Major Exporters of Oil .....	87
	91 Major Importers of Oil .....	88
	92 Oil Trade .....	88
	93 Petroleum Products .....	89
	94 Natural Gas .....	90
	95 Hard Coal .....	91
	96 Brown Coal and Lignite .....	92
	97 Electricity .....	93
	98 Electricity Generating Capacity .....	94
	99 Nuclear Power Generating Capacity .....	95
MINERALS AND METALS BD	100 Iron Ore .....	97
	101 Manganese Ore .....	98
	102 Tungsten .....	98
	103 Chromite .....	99
	104 Bauxite .....	99
	105 Metallurgical Coke .....	100
	106 Pig Iron .....	101
	107 Crude Steel .....	102
	108 Semifinished Steel .....	103
	109 Refined Copper .....	104
	110 Refined Nickel .....	105
	111 Primary Aluminum .....	105
	112 Smelter Lead .....	106
	113 Refined Zinc .....	107
	114 Molybdenum .....	107
	115 Cobalt .....	108
	116 Titanium Sponge Metal .....	108
	117 Primary Tin Metal .....	109
	118 Primary Magnesium .....	109
119 Gold .....	110	
120 Platinum Group-Metals .....	110	
CHEMICALS AND RUBBER IG	121 Caustic Soda .....	111
	122 Synthetic Ammonia .....	111
	123 Sulfuric Acid .....	112
	124 Mineral Fertilizer .....	113
	125 Nitrogen Fertilizer .....	114
	126 Phosphate Fertilizer .....	115
	127 Potassium Fertilizer .....	116
	128 Plastics .....	116
	129 Synthetic Rubber .....	117
	130 Natural Rubber .....	117

	TABLE	PAGE
<b>MANUFACTURING GOODS AND FORESTRY</b> CP	131 Woven Cotton Fabrics .....	119
	132 Woven Woolen Fabrics .....	120
	133 Woven Rayon and Acetate Fabrics .....	121
	134 Synthetic Fibers .....	122
	135 Computers .....	122
	136 Electric Generators .....	123
	137 Turbines .....	123
	138 Metalcutting Machine Tools .....	124
	139 Metalforming Machine Tools .....	124
	140 Grain Combines .....	125
	141 Tractors .....	125
	142 Railroad Freight Cars .....	126
	143 Automobiles .....	126
	144 Trucks and Buses .....	127
	145 Rubber Tires .....	128
	146 Television Receivers .....	128
	147 Radio Receivers .....	129
	148 Housing Construction .....	129
	149 Cement .....	130
150 Lumber .....	131	
151 Paper .....	132	
152 Plywood .....	133	
<b>AGRICULTURE</b> JD	153 Total Grain .....	135
	154 Wheat .....	136
	155 Coarse Grain .....	137
	156 Rice .....	138
	157 Potatoes .....	139
	158 Sugar .....	140
	159 Fish Catch .....	141
	160 Cattle .....	142
	161 Hogs .....	143
	162 Meat .....	144
	163 Milk .....	145
	164 Wool .....	146
	165 Ginned Cotton .....	147
	166 Mineral Fertilizer Consumption .....	148
	167 Nitrogen Fertilizer Consumption .....	149
	168 Phosphate Fertilizer Consumption .....	150
	169 Potassium Fertilizer Consumption .....	151
<b>TRANSPORTATION</b> BD	170-171 Railroad Freight .....	153-154
	172-173 Motor Vehicle Freight .....	155
	174-175 Inland Water Freight .....	156
	176 Air Passengers .....	157
	177 Air Freight .....	157
	178 Civil Air Inventory .....	158
	179 Ocean Freight .....	158
	180-181 Petroleum Pipelines .....	158-159
	182 Mainline Locomotive Inventory .....	160
	183 Railroad Freight Car Inventory .....	160
	184 Civilian Truck Inventory .....	161
	185 Fishing Fleet Inventory .....	161
	186 Merchant Fleet Inventory .....	162
	187 Tanker Fleet Inventory .....	163
	188 Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger .....	164
<b>COMMUNICATIONS</b> BD	189 Telephones in Use .....	165
	190 Radio Receivers in Public Use .....	166
	191 Television Receivers in Public Use .....	167
<b>INDEX AND CONVERSION FACTORS</b>	.....	169

**Gross National Product Per Capita, 1977 (in 1977 US\$)**

**More than \$7,000**

Belgium	Liechtenstein	Sweden
Canada	Luxembourg	Switzerland
Denmark	Nauru	United Arab Emirates
France	Netherlands	United States
Greenland	Norway	West Germany
Iceland	Qatar	
Kuwait	Saudi Arabia	

**\$801 to \$1,000**

Algeria	Guadeloupe
Chile	Malaysia
Colombia	Namibia
Cuba	Nicaragua
Dominican Republic	Tunisia
French Guiana	

**\$5,001 to \$7,000**

Australia
Austria
Bermuda
Finland
Japan
Libya
Monaco

**\$601 to \$800**

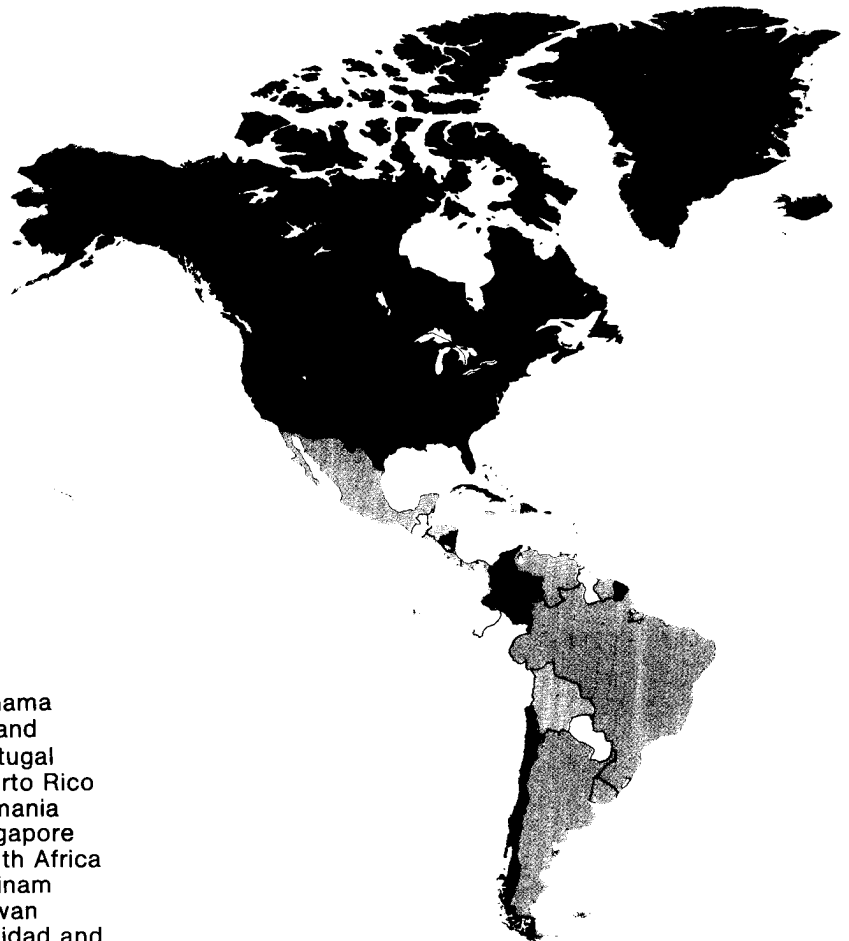
Antigua	Guyana	South Korea
Belize	Ivory Coast	Syria
Djibouti	Liberia	
Ecuador	Mongolia	
Gilbert Islands	North Korea	
Gibraltar	Paraguay	
Guatemala	Peru	

**\$3,001 to \$5,000**

Bahamas Islands
Bahrain
Brunei
Czechoslovakia
East Germany
Faroe Islands
Gabon
Israel
Italy
New Zealand
Oman
San Marino
Spain
United Kingdom
USSR

**\$1,001 to \$3,000**

Andorra	Panama
Argentina	Poland
Barbados	Portugal
Brazil	Puerto Rico
Bulgaria	Romania
Costa Rica	Singapore
Cyprus	South Africa
Falkland Islands	Surinam
Fiji	Taiwan
French Polynesia	Trinidad and Tobago
Greece	Turkey
Hong Kong	Uruguay
Hungary	Venezuela
Iran	Yugoslavia
Iraq	
Ireland	
Jamaica	
Malta	
Martinique	
Mexico	
Netherlands Antilles	
New Caledonia	



**\$401 to \$600**

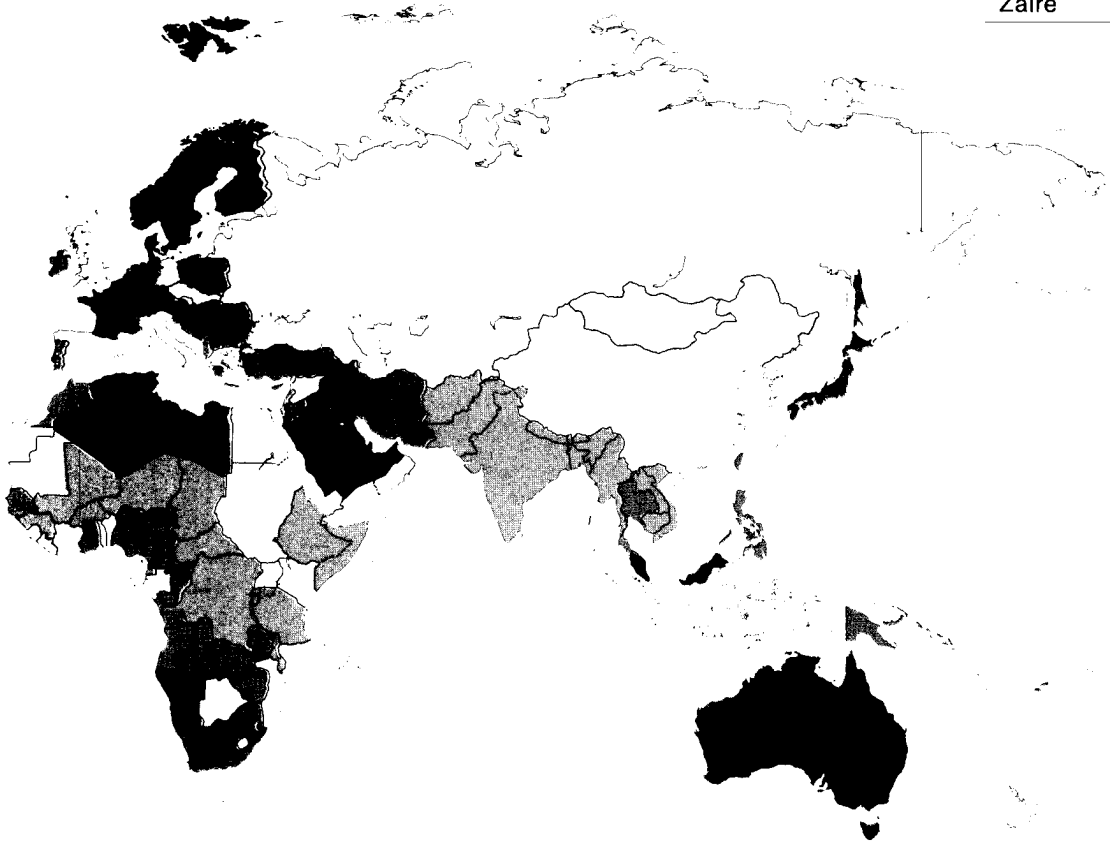
Albania	Ghana	Nigeria	Swaziland
Angola	Grenada	Papau-New	Thailand
Bolivia	Honduras	Guinea	Tonga
Cameroon	Jordan	Philippines	Zambia
Congo	Lebanon	Rhodesia	
Cook Islands	Mauritius	Senegal	
El Salvador	Morocco	Seychelles	

**Less than \$201**

Afghanistan  
 Bangladesh  
 Bhutan  
 Burma  
 Burundi  
 Cambodia  
 Cape Verde Islands  
 Central African  
 Empire  
 Chad  
 Equatorial Guinea  
 Ethiopia  
 Guinea-Bissau  
 India  
 Laos  
 Malawi  
 Mali  
 Nepal  
 Niger  
 Pakistan  
 Rwanda  
 Somalia  
 Tanzania  
 Upper Volta  
 Vietnam  
 Zaire

**\$201 to \$400**

Benin	Kenya	North Yemen	Sao Tome/Principe
Botswana	Lesotho	Peoples Republic	Sierra Leone
Dominica	Macao	of China	South Yemen
Egypt	Madagascar	St. Christopher-	Sri Lanka
Gambia	Republic	Nevis-Anguilla	Sudan
Haiti	Mauritania	St. Lucia	Togo
Indonesia	Mozambique	St. Vincent	Uganda
			Western Sahara
			Western Samoa



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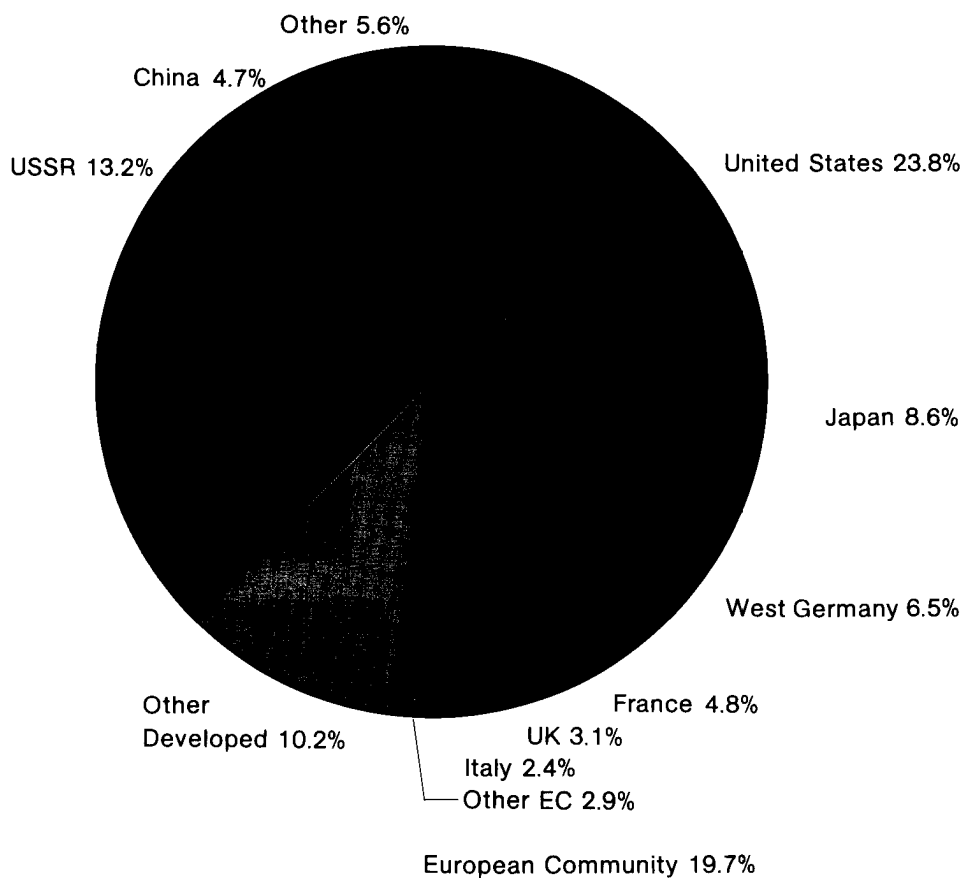
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**World Gross National Product, 1977**

**Figure 1**

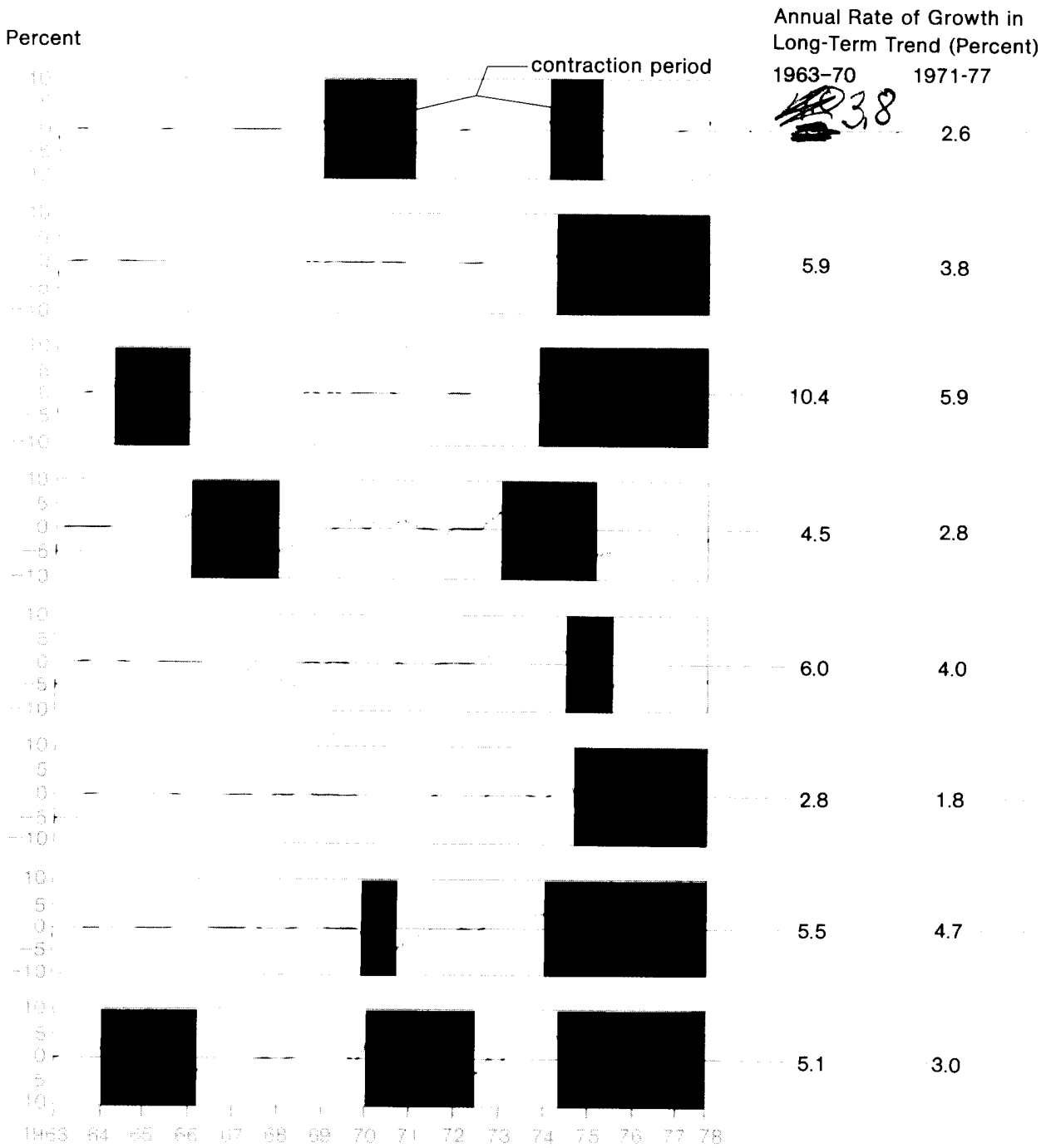
Total: 7,960 Billion 1977 US\$



**Developed Countries:**

**Figure 2**

Deviation of Real Gross National Product from Long-Term Trend<sup>1</sup>



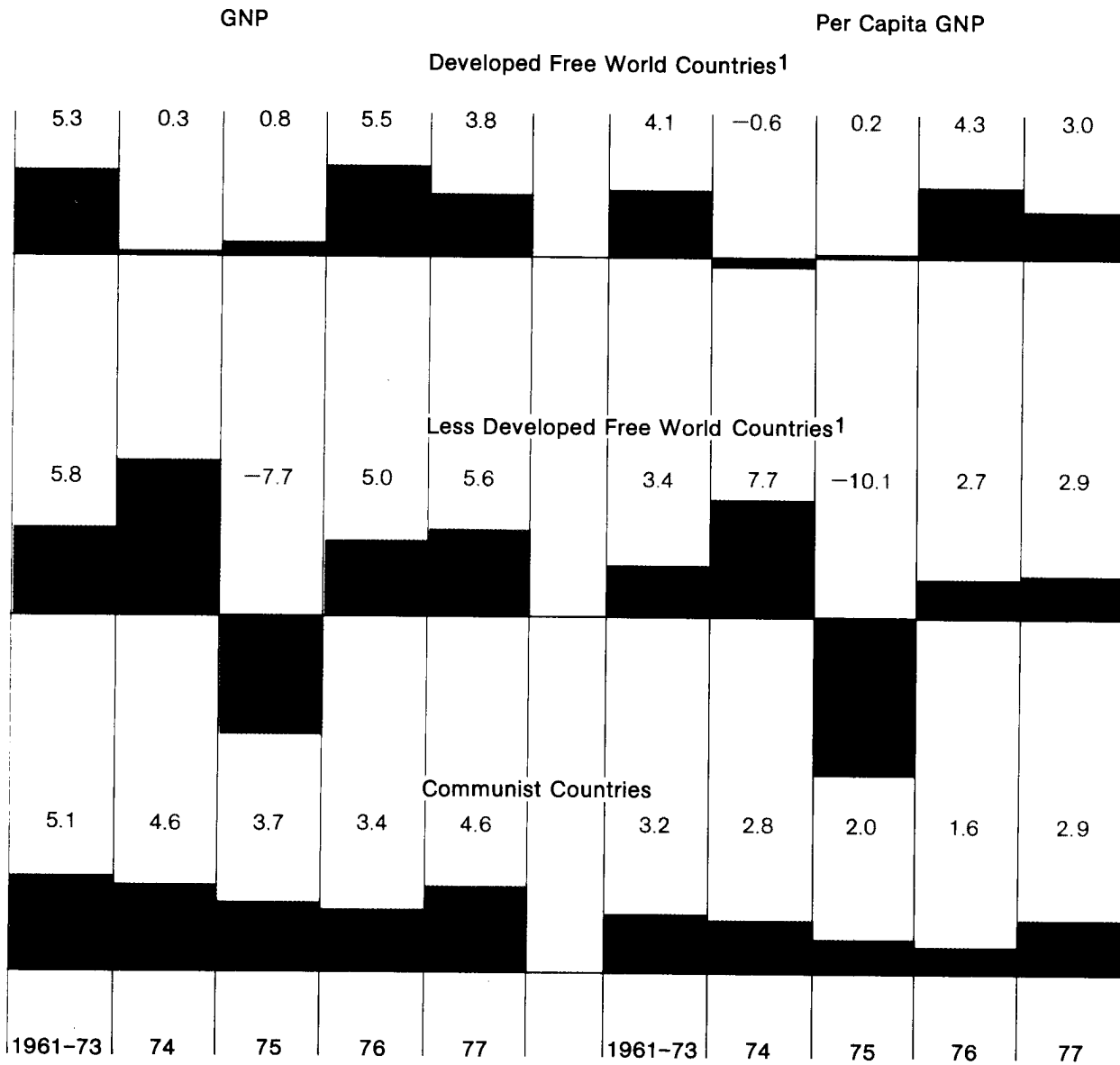
1. The long-term trend is a 25-quarter moving average of seasonally adjusted GNP values at constant prices. Trend values for 1975-77 were obtained by extrapolating the trend by the growth rate indicated for the moving averages for 1972-74.

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**Real Gross National Product Trends**

**Figure 3**

Average annual rate of growth  
(percent)

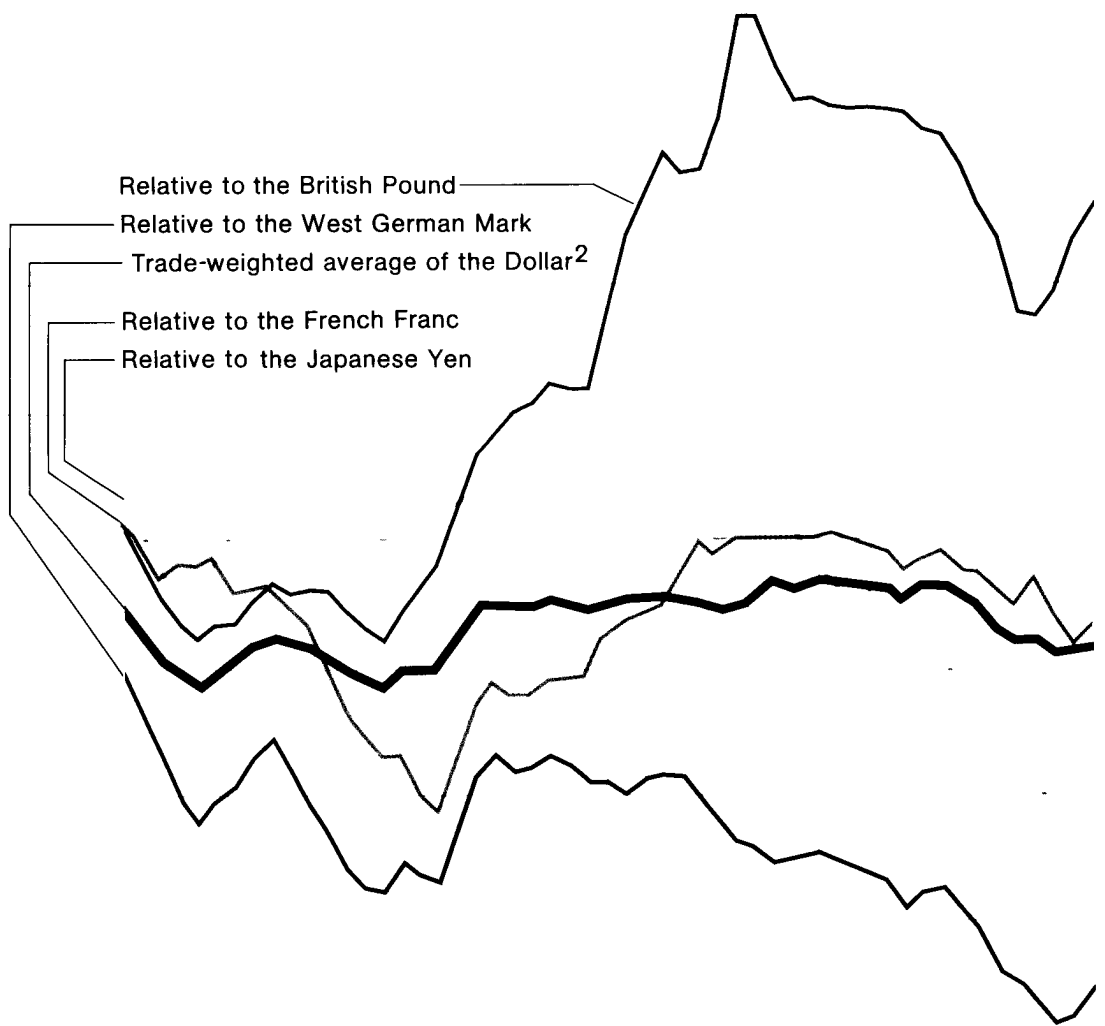


1. In 1976 several non-Communist countries shifted from less developed to developed status altering the data.



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

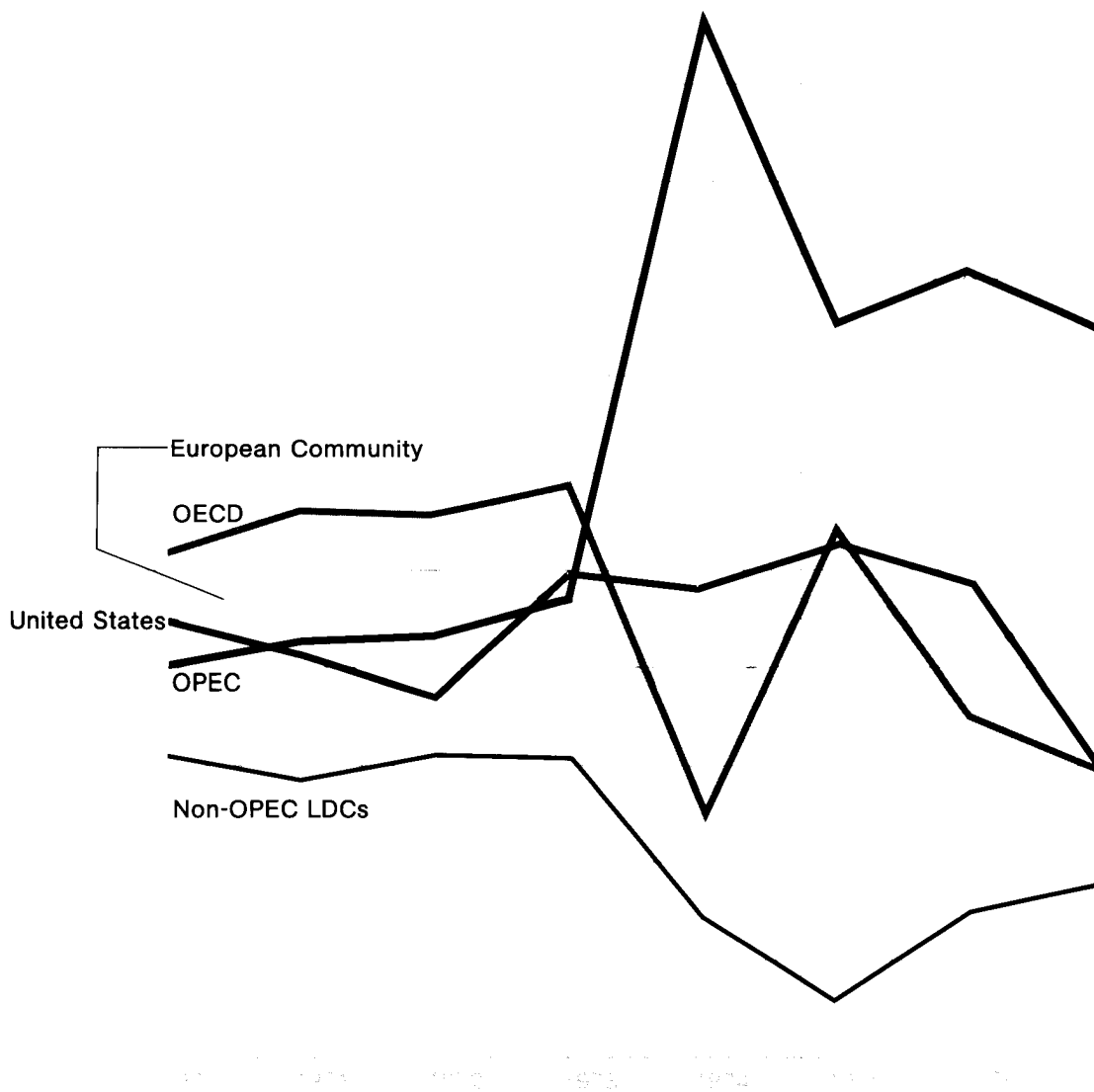
**Figure 4**



1. Change relative to selected foreign currencies with March 1973.  
2. Relative to 16 major currencies, weighted by 1975 trade.

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

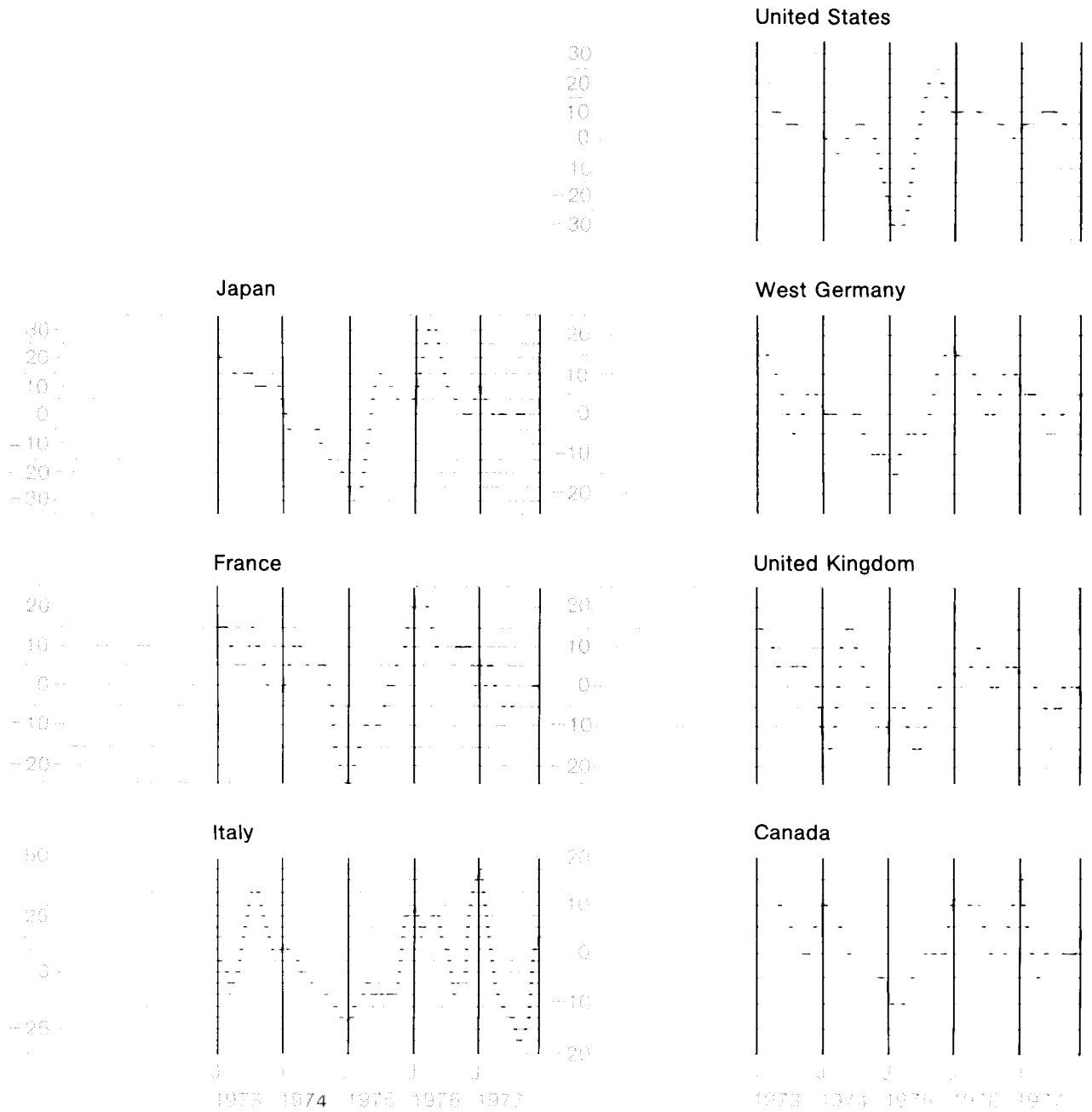
**Figure 5**



1. Including goods, services, and private transfers.

**Big Seven: Industrial Production Growth**  
Percent Change<sup>1</sup>

**Figure 6**



Note change in scale.

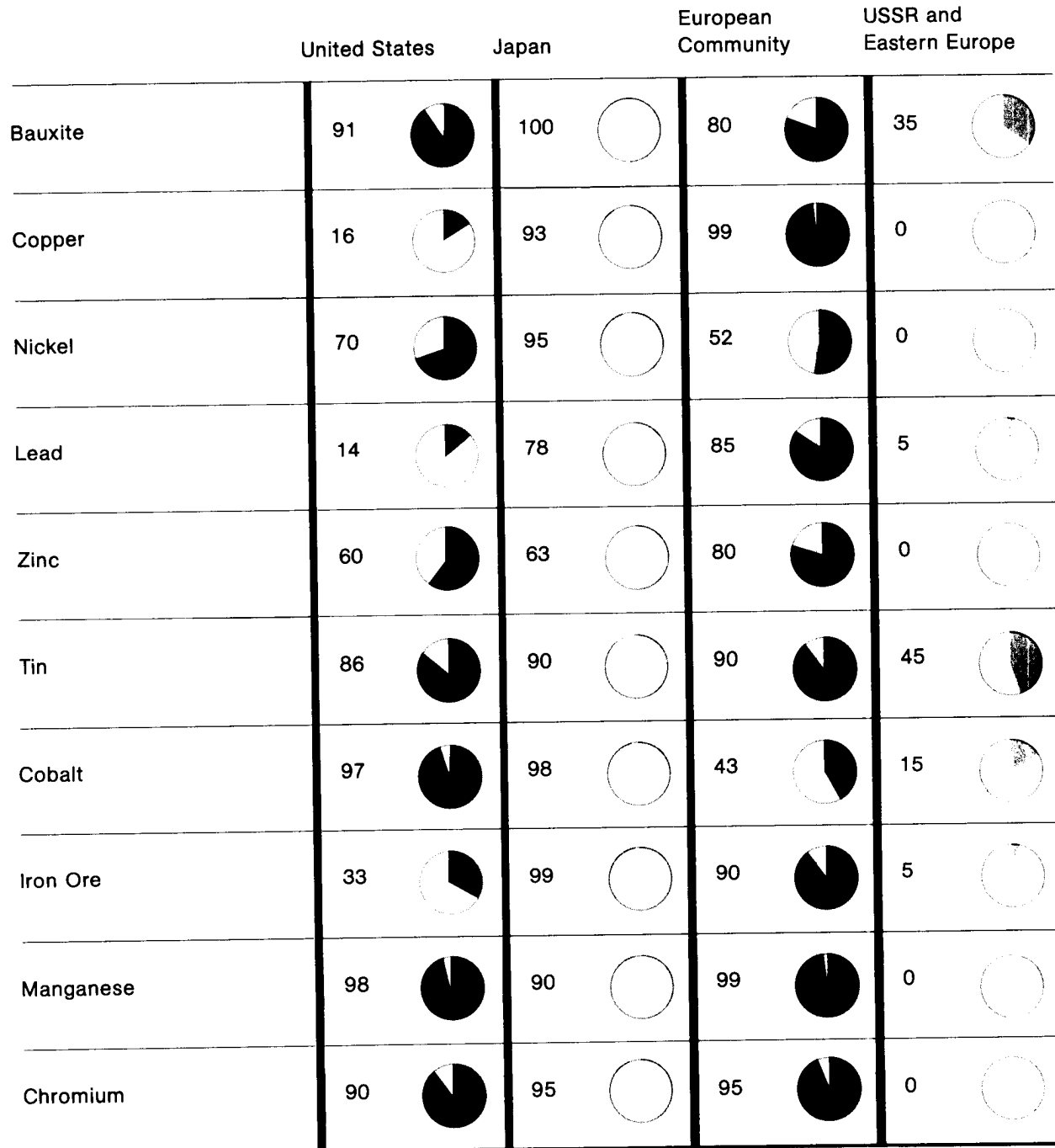
1. Three-month moving average at an annual rate, seasonally adjusted.

**Minerals:**

**Figure 7**

Imports as a Share of Consumption, 1977

Percent



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**ECONOMIC PROFILE**

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<b>TABLE</b>	<b>PAGE</b>
1 Developed Countries and Communist Countries .....	8-9
2 Organization of Petroleum Exporting Countries .....	10
3 Less Developed Countries .....	11
4 Selected World Statistics .....	12
5 Indicators of Living Standards for the US and USSR .....	13
6 Commodity Production of the US and USSR .....	14-15

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Table 1

## Economic Profile: Developed Countries and Communist Countries, 1977

	Developed Countries					
	United States	Canada	Japan	European Community	France	Italy
<b>Aggregative data</b>						
<b>Population</b>						
Million persons at midyear .....	216.8	23.3	113.9	259.2	53.1	56.4
Percent change from 1976 .....	0.8	1.3	1.0	0.2	0.4	0.4
<b>Gross national product</b>						
Billion 1977 US \$ <sup>a</sup> .....	1,890.1	195.0	685.1	1,570	381.0	190.6
Percent real growth in 1977 .....	4.9	2.3	6.0	2.1	3.0	2.0
Per capita (1977 US \$) .....	8,720	8,370	6,010	6,060	7,180	3,380
Industrial production (1970=100) .....	127	132	127	N.A.	126	121
<b>Industry</b>						
Primary energy (million b/d of oil equivalents) .....	29.7	4.8	1.0	8.7	0.8	0.5
Electric power (billion kilowatt-hours) .....	2,267	322	539	1,140	213	167
Crude steel (million metric tons) .....	113.2	13.7	102.4	126	22.1	23.3
Cement (million metric tons) .....	73.1	9.9	73.1	130	28.8	37.4
<b>Trade and international reserves</b>						
Exports <sup>a</sup> (billion US \$) .....	120.1 <sup>b</sup>	43.2	81.1	381.9	65.0	45.1
Imports <sup>a</sup> (billion US \$) .....	156.7	42.0	71.3	389.5	70.5	47.6
Trade balance (billion US \$) .....	-36.6	1.2	9.8	-7.6	-5.5	-2.5
International reserves (billion US \$) .....	19.3	4.6	23.3	96.4	10.2	11.6
<b>Indicators of living standards</b>						
Grain production (kilograms per capita) .....	1,210	1,730	150	400	720	260
Meat production (kilograms per capita) .....	117	98	20	72	84	51
Television receivers in use (units per thousand persons) .....	618 <sup>a</sup>	367 <sup>a</sup>	232 <sup>a</sup>	267 <sup>a</sup>	235 <sup>a</sup>	213 <sup>a</sup>
Radio receivers in use (units per thousand persons) .....	1,976 <sup>a</sup>	904 <sup>a</sup>	699 <sup>10</sup>	N.A.	345 <sup>10</sup>	228 <sup>a</sup>
Consumer price index (1970=100) .....	156	165	204	N.A.	183	237
Telephones in use (units per thousand persons) .....	716 <sup>11</sup>	592 <sup>11</sup>	425 <sup>11</sup>	330 <sup>11</sup>	293 <sup>11</sup>	270 <sup>11</sup>

<sup>1</sup> Including data for West Berlin.<sup>a</sup> Data for the non-Communist countries were converted from national currencies at average 1977 Par Rate/Market Rate factors. Data for the Communist countries were converted at US purchasing power equivalents.<sup>b</sup> Data are at factor costs.<sup>c</sup> Data are f.o.b.

Table 1

## Economic Profile: Developed Countries and Communist Countries, 1977

Developed Countries		Communist Countries			
United Kingdom	West Germany	USSR	Eastern Europe	China	
					Aggregative data
					Population
56.0	61.4 <sup>1</sup>	258.9	107.9	982.5	Million persons at midyear
Negl.	-0.2	0.9	0.8	2.1	Percent change from 1976
					Gross national product
246.4	514.0 <sup>1</sup>	1,047.9 <sup>3</sup>	348	372.8	Billion 1977 US \$ <sup>2</sup>
0.3	2.4 <sup>1</sup>	3.3 <sup>3</sup>	4.0	9.0	Percent real growth in 1977
4,400	8,370 <sup>1</sup>	4,050	3,230	380	Per capita (1977 US \$)
106	116	145	145	181	Industrial production (1970=100)
					Industry
3.3	2.3	24.3	6.2	8.2	Primary energy (million b/d of oil equivalents)
283	335	1,150	381	141	Electric power (billion kilowatt-hours)
20.4	39.0	147.0	57.5	25.0	Crude steel (million metric tons)
15.5	32.2 <sup>1</sup>	127.0	65.6	56.2	Cement (million metric tons)
					Trade and international reserves
58.2	118.1	45.2	56.9	7.9	Exports <sup>4</sup> (billion US \$)
64.6	101.4	40.9	61.7	6.9	Imports <sup>4</sup> (billion US \$)
-6.4	16.6	4.3	-4.9	1.0	Trade balance (billion US \$)
21.1	39.7	12.2	100.5	N.A.	International reserves (billion US \$)
					Indicators of living standards
300	340 <sup>1</sup>	760	710 <sup>7</sup>	290	Grain production (kilograms per capita)
50	69 <sup>1</sup>	57	54	N.A.	Meat production (kilograms per capita)
314 <sup>8</sup>	305 <sup>1</sup> *	224 <sup>8</sup>	214 <sup>8</sup>	N.A.	Television receivers in use (units per thousand persons)
N.A.	337 <sup>1</sup> *	240 <sup>8</sup>	219 <sup>8</sup>	38 <sup>10</sup>	Radio receivers in use (units per thousand persons)
249	146	111 <sup>8</sup>	N.A.	N.A.	Consumer price index (1970=100)
393 <sup>11</sup>	345 <sup>11</sup>	86	108	N.A.	Telephones in use (units per thousand persons)

<sup>1</sup> Excluding Department of Defense shipments.<sup>2</sup> Data are c.i.f.<sup>3</sup> Excluding rice for Bulgaria, Hungary, and Romania.<sup>4</sup> Data are for 1976.<sup>5</sup> Data are for 1974.<sup>6</sup> Data are for 1973.<sup>7</sup> Data are as of the beginning of the year.<sup>8</sup> Data are as of 31 March.



Table 2

## Economic Profile: Organization of Petroleum Exporting Countries, 1977

	Algeria	Ecuador	Cabon	Indonesia	Iran	Iraq	Kuwait
Aggregative data							
Population							
Million persons at midyear	17.9	7.2	0.6	137.5	34.8	12.5	1.2
Percent increase from 1976	3.4	3.4	1.7	2.3	2.7	3.4	10.0
Gross national product							
Billion 1977 US \$	16.2	5.7	2.5	43.2	75.9	19.0	13.9
Percent real growth in 1977	8.8	7.7	5.0	6.6	3.2	10.0	N.A.
Per capita (1977 US \$)	910	790	4,170	310	2,180	1,520	11,080
Industry							
Crude oil (thousand b/d)	1,040	180	230	1,690	5,660	2,330	1,970
Trade and international reserves							
Exports <sup>1</sup> (million US \$)	5,233	1,390	1,016	10,853	24,246	9,664	9,839
Government oil revenues (million US \$)	4,800	470	860	4,700	23,585	8,290	7,257
Oil exports (thousand b/d)	1,040	130	200	1,400	5,120	2,210	1,940
Imports <sup>2</sup> (million US \$)	6,952	1,450	834	6,400	13,750	4,052	4,796
United States (million US \$)	526	580	30	867	2,731	211	548
European Community (million US \$)	4,074	N.A.	515	1,414	5,953	1,936	1,364
Japan (million US \$)	469	275	19	2,060	1,926	872	935
International reserves (million US \$)	1,917	720	10	2,516	12,266	6,996	2,990

<sup>1</sup> Including about one-half of Neutral Zone production.<sup>2</sup> Data are f.o.b.<sup>3</sup> Data are c.i.f.

Table 2 (Continued)

## Economic Profile: Organization of Petroleum Exporting Countries, 1977

Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela	
						Aggregative data
						Population
2.7	68.4	0.2	6.0	0.7	12.7	Million persons at midyear
4.2	2.9	3.2	3.0	3.7	3.0	Percent increase from 1976
						Gross national product
16.5	32.0	4.8	58.0	7.6	36.0	Billion 1977 US \$
10.0	2.7	14.0	15.0	14.0	7.5	Percent real growth in 1977
6,110	470	24,000	9,670	10,860	2,900	Per capita (1977 US \$)
						Industry
2,080	2,100	430	9,200	2,010	2,240	Crude oil (thousand b/d)
						Trade and international reserves
9,666	12,200	2,046	40,929	9,491	9,487	Exports <sup>1</sup> (million US \$)
8,464	10,538	2,029	40,881	9,135	6,600	Government oil revenues (million US \$)
2,060	2,040	430	9,000	2,000	1,977	Oil exports (thousand b/d)
5,148	11,500	1,225	17,196	4,583	9,269	Imports <sup>2</sup> (million US \$)
314	958	113	3,575	515	3,260	United States (million US \$)
2,825	5,124	427	5,008	1,707	N.A.	European Community (million US \$)
277	1,010	275	2,342	846	1,045	Japan (million US \$)
4,891	4,262	2,307	30,034	824	10,750	International reserves (million US \$)

Table 3

## Economic Profile: Selected Less Developed Countries, 1977

	Africa				Asia					Latin America
	Ivory Coast	Kenya	Morocco	Zaire	Hong Kong	Malaysia	Philippines	South Korea	Taiwan	Argentina
<b>Aggregate data</b>										
Population										
Million persons at midyear	7.3	14.8	18.9	27.0	4.5	12.6	44.9	36.4	16.8	26.1
Percent increase from 1976	2.7	3.5	3.0	2.9	1.6	2.7	2.5	1.6	1.8	1.3
Gross national product										
Billion 1977 US \$	6.3	3.2	9.5	3.6	11.8	12.4	20.7	31.5	19.5	45.0
Percent real growth in 1977	8.0	2.0	2.0	-3.0	15.0	8.1	6.1	10.3	13.8	4.4
Per capita (1977 US \$)	860	220	500	130	2,620	980	460	870	1,160	1,720
<b>Industry</b>										
Electric power production (million kilowatt-hours)	1,200	1,300	3,339	5,112	8,275	6,240	12,800	27,586	29,724	29,300
<b>Agriculture</b>										
Grain production (million metric tons)	0.7	1.9	5.6	0.7	Negl.	1.3	7.2	8.0	2.6	22.1
<b>Trade and international reserves</b>										
Exports <sup>1</sup> (million US \$)	2,210	1,185	1,302	988	9,704	6,084	3,093	10,047	9,361	5,800
Imports <sup>2</sup> (million US \$)	1,536	1,289	3,199	609	10,541	4,462	4,265	10,814	8,511	4,400
International reserves (million US \$)	186	523	532	145	N.A.	2,866	1,520	4,306	1,390	4,038

<sup>1</sup> Data are for gross domestic product.<sup>2</sup> Data are for 1974.<sup>3</sup> Data are for the fiscal year beginning 1 April 1976.<sup>4</sup> Data are for the fiscal year beginning 1 July 1975.<sup>5</sup> Data are for the fiscal year beginning April 1975 and include data for public utilities only.<sup>6</sup> Data are for the crop year beginning 1 July 1977.<sup>7</sup> Data are f.o.b.<sup>8</sup> Data are c.i.f.

Table 3

## Economic Profile: Selected Less Developed Countries, 1977

Latin America					Middle East and South Asia				
Brazil	Chile	Colombia	Mexico	Peru	Egypt	India	Pakistan	Syria	
<b>Aggregate data</b>									
<b>Population</b>									
112.3	10.6	24.9	64.4	16.6	39.9	646.5	73.4	8.1	Million persons at midyear
2.8	1.9	2.8	3.3	3.0	2.3	2.2	3.0	3.3	Percent increase from 1976
<b>Gross national product</b>									
163.0	11.1	21.0	72.5 <sup>1</sup>	11.3	14.0	88.4	14.0	5.9	Billion 1977 US \$
4.7	8.6	4.9	2.8	0.1	8.3	6.0	2.8	8.4	Percent real growth in 1977
1,450	1,050	840	1,130	680	350	140	220	730	Per capita (1977 US \$)
<b>Industry</b>									
77,337	7,432	14,000	49,851	3,297	12,000	89,200 <sup>2</sup>	13,300	1,700	Electric power production (million kilowatt-hours)
<b>Agriculture</b>									
31.4	1.6	2.5	16.3	1.5	8.1	125.5 <sup>3</sup>	14.0	2.9	Grain production (million metric tons)
<b>Trade and international reserves</b>									
12,139	2,190	N.A.	4,166	N.A.	1,708	6,352	1,174 <sup>4</sup>	1,065	Exports <sup>1</sup> (million US \$)
13,229	2,260	N.A.	5,489	N.A.	4,808	5,950	2,455	2,657	Imports <sup>2</sup> (million US \$)
7,200	843	1,800	1,723	230	534	5,184	518	361	International reserves (million US \$)

Table 4

Selected World Statistics<sup>1</sup>

Unit of Measure		1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Gross National Product	Billion 1977 US \$	3,620	4,630	6,040	6,300	6,630	7,070	7,270	7,280	7,640	7,690
Population	Million persons, midyear	2,986	3,288	3,610	3,706	3,782	3,818	3,890	3,967	4,044	4,124
Exports	Billion US \$	129.8	189.9	316.7	352.9	418.8	581.8	843.9	882.0	1,000.9	1,133.6
Crude oil	Million b/d	21.0	30.3	45.7	48.4	51.0	55.7	55.9	53.0	57.3	59.5
Natural gas	Trillion cubic feet	N.A.	24.5	38.1	40.8	43.5	46.1	47.2	47.5	49.5	50.4
Hard coal	Million metric tons	1,985 <sup>2</sup>	2,042 <sup>2</sup>	2,079 <sup>2</sup>	2,114	2,150	2,185	2,207	2,369	2,392	2,491
Brown coal and lignite	Million metric tons	640	742	793	804	809	824	843	863	893	908
Electric power	Billion kilowatt hours	2,348	3,392	4,985	5,219	5,628	6,076	6,256	6,457	6,907	7,095
Iron ore	Million metric tons	522	621	769	787	778	846	895	892	895	853
Bauxite	Million metric tons	27.6	37.4	57.8	62.1	64.9	70.4	78.0	75.1	77.6	82.3
Pig iron	Million metric tons	259	335	431	430	454	481	514	468	487	482
Crude steel	Million metric tons	346	459	594	580	628	698	708	651	683	666
Refined copper	Thousand metric tons	N.A.	6,157	7,543	7,324	8,093	8,522	8,904	8,399	8,849	9,168
Refined nickel	Thousand metric tons	N.A.	417	592	610	591	654	717	710	743	704
Primary aluminum	Million metric tons	4.5	6.3	9.7	10.3	11.0	12.1	13.2	12.0	12.5	13.4
Smelter lead	Thousand metric tons	2,313	2,641	3,292	3,257	3,379	3,482	3,500	3,369	3,313	3,425
Refined zinc	Thousand metric tons	3,025	3,949	4,827	4,695	5,131	5,331	5,463	4,988	5,299	5,452
Primary tin metal	Thousand metric tons	192	200	227	236	240	234	228	230	232	N.A.
Mineral fertilizer <sup>3</sup>	Million metric tons, nutrient content	N.A.	42.8	66.3	71.5	76.8	81.8	87.5	91.8	92.0	98.4
Nitrogen fertilizer <sup>3</sup>	Million metric tons of N	N.A.	16.8	30.2	33.0	35.0	37.8	40.4	42.4	43.8	45.9
Phosphate fertilizer <sup>3</sup>	Million metric tons of P <sub>2</sub> O <sub>5</sub>	N.A.	13.8	19.2	20.7	22.4	23.8	24.9	25.7	24.8	27.3
Potassium fertilizer <sup>3</sup>	Million metric tons of K <sub>2</sub> O	N.A.	12.1	16.9	17.8	19.4	20.2	22.2	23.7	23.5	25.3
Synthetic fibers	Thousand metric tons	700	2,050	4,870	5,780	6,550	7,820	7,680	7,460	9,150	9,110
Automobiles	Thousand units	12,800	19,100	22,500	26,000	27,700	29,800	25,800	25,200	29,600	31,600
Trucks and buses	Thousand units	3,690	5,220	6,780	7,180	7,620	8,820	8,720	7,880	9,980	11,300
Television receivers	Million units	19.8	29.9	45.4	44.1	48.9	53.6	51.8	50.9	65.6	66.9
Radio receivers	Million units	51.8	75.7	85.7	81.2	82.6	82.7	73.2	65.6	83.0	94.9
Grain	Million metric tons	929	1,010	1,220	1,320	1,290	1,400	1,360	1,340	1,500	1,470
Wheat	Million metric tons	240	262	319	354	347	377	360	356	413	380
Coarse grain	Million metric tons	414	441	440	609	594	633	612	615	679	673
Rice	Million metric tons	162	166	203	201	194	212	209	234	223	235
Potatoes	Million metric tons	285	285	312	294	281	317	297	286	290	307
Sugar	Million metric tons	61.4	67.2	76.7	75.9	75.8	80.7	81.0	85.3	89.8	93.3
Fish catch	Million metric tons	40.2	53.2	70.4	70.7	66.1	66.8	70.3	69.9	73.5	N.A.
Cattle	Million head	901	1,070	1,100	1,110	1,130	1,150	1,180	1,200	1,220	1,240
Hogs	Million head	519	575	594	638	648	653	661	661	647	649
Meat	Million metric tons	65.4	73.3	102.0	105.0	108.0	109.0	115.0	116.0	119.0	123.0
Milk	Million metric tons	315	342	362	365	372	378	385	387	394	399
Wool	Thousand metric tons	2,450	2,540	2,660	2,610	2,410	2,350	2,490	2,480	2,460	2,430
Ginned cotton	Million metric tons	10.4	12.2	11.8	13.0	13.7	13.7	14.0	11.8	12.6	14.1
Railroad freight	Million ton-kilometers	3,338	4,195	5,020	5,171	5,397	5,764	5,982	5,992	6,101	N.A.
Fishing fleet inventory	Number	N.A.	N.A.	12,889	14,468	15,741	17,054	17,955	18,940	19,651	19,940
Fishing fleet inventory	Thousand GRT	N.A.	N.A.	7,804	9,037	9,620	10,275	10,683	11,339	11,849	12,162
Merchant fleet inventory	Number	17,229	17,825	19,503	19,930	21,009	21,600	21,755	22,353	22,884	24,102
Merchant fleet inventory	Million DWT	171.6	214.1	325.1	359.1	399.6	446.4	502.7	556.4	596.9	628.7
Tanker fleet inventory	Number	3,371	3,533	4,119	4,283	4,581	4,813	4,988	5,177	4,311	5,501
Tanker fleet inventory	Million DWT	63.7	89.6	152.4	172.4	192.9	220.5	261.4	301.7	319.6	389.3

<sup>1</sup> For more detailed descriptions and definitions, refer to the respective table. Unless otherwise indicated data include China.<sup>2</sup> Including brown coal at its hard coal equivalent.<sup>3</sup> Fertilizer year ending 30 June of the stated year.

Table 5  
Indicators of Living Standards for the US and USSR

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>Food</b>										
Grain production <sup>1</sup> (kilograms per capita)										
United States <sup>2</sup>	1,090	1,032	991	1,147	1,092	1,127	965	1,165	1,192	1,206
USSR <sup>3</sup>	586	525	769	739	680	891	776	551	872	755
Meat production <sup>4</sup> (kilograms per capita)										
United States <sup>5</sup>	71	74	110	113	112	105	112	108	117	117
USSR <sup>6</sup>	41	43	51	54	55	54	58	59	53	57
Persons supplied per farm worker										
United States	26	35	45	47	48	48	48	49	49	52
USSR	5	6	6	7	7	7	7	7	7	8
<b>Housing</b>										
Housing construction (square meters per capita)										
United States	0.80	0.82	0.74	0.90	1.04	1.10	0.91	0.75	0.82	0.98
USSR	0.51	0.42	0.44	0.44	0.43	0.44	0.44	0.43	0.41	0.42
<b>Transportation</b>										
Passenger automobile production (units per hundred persons)										
United States <sup>7</sup>	3.69	4.79	3.20	4.15	4.23	4.59	3.46	3.14	3.95	4.24
USSR	0.06	0.09	0.14	0.22	0.29	0.37	0.44	0.47	0.48	0.49
<b>Communications</b>										
Television receivers in use <sup>8</sup> (units per hundred persons)										
United States	31	36	45	49	53	56	57	59	62	N.A.
USSR	2	7	14	16	18	20	21	22	22	23
Radio receivers in use <sup>9</sup> (units per hundred persons)										
United States	86	117	164	171	177	182	190	193	198	N.A.
USSR	13	16	20	21	21	22	23	23	24	24
<b>Household equipment</b>										
Washing machine production (units per thousand persons)										
United States <sup>7</sup>	18	22	20	22	24	26	23	20	21	23
USSR	4	15	22	17	12	12	12	13	14	14
Washing machines in use <sup>10</sup> (units per thousand persons)										
United States <sup>8</sup>	158	170	194	203	214	224	229	238	248	263
USSR	13	59	141	154	164	173	181	189	195	200
Refrigerator production (units per thousand persons)										
United States <sup>7</sup>	19	25	26	27	30	32	28	21	22	26
USSR	2	7	17	19	20	22	22	22	23	22
Refrigerators in use <sup>9</sup> (units per thousand persons)										
United States <sup>8</sup>	281	295	336	316	322	330	334	340	347	351
USSR	10	29	89	106	124	142	161	178	194	210

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

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

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

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

<sup>5</sup> Including poultry and excluding slaughter fats, rabbit, and variety meats.

<sup>6</sup> Including horsemeat, rabbit, poultry, game, edible offal, and lard.

<sup>7</sup> Data are for factory sales and include complete units exported for assembly.

<sup>8</sup> As of the end of the year.

<sup>9</sup> Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

Table 6

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

Commodity	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>Primary energy (million b/d of oil equivalent)</b>										
US .....	21.1	24.9	30.8	30.4	30.9	30.9	30.2	29.8	29.5	29.7
USSR .....	9.3	13.2	17.0	17.9	18.6	19.6	20.8	21.9	23.2	24.3
<b>Crude oil (thousand b/d)</b>										
US .....	7,055	7,804	9,648	9,635	9,512	9,210	8,770	8,375	8,130	8,200
USSR .....	2,943	4,835	6,976	7,436	7,875	8,420	9,020	9,630	10,170	10,700
<b>Natural gas (trillion cubic feet)</b>										
US .....	12.7	16.0	21.9	22.5	22.5	22.6	21.6	20.1	20.0	19.9
USSR .....	1.6	4.5	7.0	7.5	7.8	8.3	9.2	10.2	11.3	12.2
<b>Hard coal (million metric tons)</b>										
US .....	391.5	475.3	550.4	503.0	536.6	530.1	539.3	576.2	598.1	602.2
USSR .....	355.9	397.6	432.7	441.4	451.1	461.2	473.4	485.0	494.0	503.0
<b>Brown coal and lignite (million metric tons)</b>										
US .....	2.5	4.6	7.2	7.6	10.0	12.9	14.1	17.7	23.2	28.1
USSR .....	134.2	147.4	144.7	150.1	152.5	153.5	157.2	160.0	160.0	160.0
<b>Electricity (billion kilowatt-hours)</b>										
US .....	893.7	1,229.6	1,742.7	1,826.6	1,972.2	2,081.2	2,086.3	2,131.0	2,169.7	2,267.4
USSR .....	292.3	506.7	740.1	800.4	857.4	914.6	975.8	1,038.6	1,111.4	1,150.0
<b>Iron ore (million metric tons)</b>										
US .....	90.2	88.8	91.2	82.1	76.6	89.1	85.7	80.1	80.5	56.6
USSR .....	105.9	153.4	195.5	203.0	208.1	216.1	224.8	232.8	239.1	240.0
<b>Bauxite (thousand metric tons)</b>										
US .....	2,030	1,680	2,120	2,020	1,840	1,910	1,980	1,800	1,990	1,990
USSR .....	3,100	4,300	5,400	5,700	6,000	6,300	6,500	6,600	6,700	6,700
<b>Pig iron (million metric tons)</b>										
US .....	62.2	82.6	82.8	73.8	80.6	91.9	86.6	72.3	78.7	73.8
USSR .....	46.8	66.2	85.9	89.3	92.3	95.9	99.9	103.0	105.4	107.0
<b>Crude steel (million metric tons)</b>										
US .....	90.1	119.3	119.3	109.2	120.8	136.8	132.2	105.8	116.1	113.2
USSR .....	65.3	91.0	115.9	120.7	125.6	131.5	136.2	141.3	144.7	147.0
<b>Refined copper (thousand metric tons)</b>										
US .....	1,640	1,960	2,030	1,780	2,050	2,100	1,940	1,610	1,710	1,680
USSR .....	475	700	1,015	1,090	1,150	1,200	1,250	1,320	1,350	1,400
<b>Primary aluminum (thousand metric tons)</b>										
US .....	1,830	2,500	3,600	3,560	3,740	4,110	4,450	3,520	3,860	4,120
USSR .....	630	1,000	1,700	1,800	1,950	2,100	2,300	2,430	2,500	2,550
<b>Smelter lead (thousand metric tons)</b>										
US .....	347	379	605	590	625	612	611	577	592	546
USSR .....	300	385	470	490	500	510	530	540	560	560
<b>Refined zinc (thousand metric tons)</b>										
US .....	788	978	866	769	641	604	575	449	510	458
USSR .....	360	475	690	760	770	780	790	820	840	840
<b>Gold (million troy ounces)</b>										
US .....	1.7	1.7	1.7	1.5	1.4	1.2	1.1	1.0	1.0	1.1
USSR .....	3.5	5.0	6.4	6.7	7.2	7.7	8.0	8.2	8.4	8.7
<b>Synthetic ammonia (million metric tons of N)</b>										
US .....	3.6	6.6	10.3	10.5	11.3	11.3	11.8	12.2	12.5	13.0
USSR .....	1.1	3.1	6.3	7.0	7.6	8.4	9.1	9.9	10.1	10.5
<b>Mineral fertilizer (million metric tons)</b>										
US .....	7.4	11.9	15.8	15.9	16.7	17.8	17.1	18.2	19.3	N.A.
USSR .....	3.3	7.4	13.1	14.7	15.9	17.4	19.4	22.0	22.6	23.5
<b>Nitrogen fertilizer (million metric tons)</b>										
US .....	2.7	5.1	8.2	8.1	8.4	9.2	8.5	9.6	9.8	23.5
USSR .....	1.0	2.7	5.4	6.1	6.6	7.2	7.9	8.5	8.6	8.9
<b>Plastics (million metric tons)</b>										
US .....	2.8	5.3	8.7	9.8	11.8	13.7	13.8	10.2	13.3	12.0
USSR .....	0.3	0.8	1.7	1.9	2.0	2.3	2.5	2.8	3.1	3.3
<b>Synthetic rubber (million metric tons)</b>										
US .....	1.5	1.8	2.2	2.3	2.5	2.6	2.4	2.0	2.4	2.4
USSR .....	0.3	0.6	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7

Table 6 (Continued)

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

Commodity	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>Woven cotton fabrics</b>										
US (billion linear meters)	8.6	8.4	5.7	5.6	5.2	5.0	4.6	4.3	4.2	3.9
USSR (billion square meters)	4.8	5.5	6.2	6.4	6.4	6.6	6.6	6.6	6.8	6.8
<b>Woven woolen fabrics</b>										
US (million linear meters)	262	244	163	104	93	97	74	71	89	91
USSR (million square meters)	439	466	643	675	681	703	724	740	764	773
<b>Turbine production (million kW)</b>										
US	12.9	15.5	27.6	36.5	44.2	34.8	38.3	30.5	35.3	30.2
USSR	9.2	14.6	16.2	16.8	14.6	15.1	17.3	18.9	19.6	18.9
<b>Grain combines (thousands)</b>										
US	30.2	37.6	21.0	21.2	21.2	25.2	28.6	31.3	31.7	32.0
USSR	59.0	85.8	99.2	102.3	95.7	84.8	88.4	97.5	101.7	106.0
<b>Tractors (thousands)</b>										
US	178.5	271.8	191.7	186.2	218.2	236.9	233.8	232.0	213.2	226.9
USSR	238.5	354.5	458.5	472.0	477.8	499.6	531.0	550.4	562.2	569.0
<b>Automobiles (millions)</b>										
US	6.7	9.3	6.5	8.6	8.8	9.7	7.3	6.7	8.5	9.2
USSR	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.3
<b>Trucks and buses (millions)</b>										
US	1.2	1.8	1.7	2.1	2.4	3.0	2.7	2.3	3.0	3.4
USSR	0.5	0.4	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8
<b>Cement (million metric tons)</b>										
US	56.1	65.1	67.4	71.0	74.9	77.6	73.4	61.8	66.2	73.1
USSR	45.5	72.4	95.2	100.3	104.3	109.5	115.1	122.1	124.2	127.0
<b>Lumber (million cubic meters)</b>										
US	77.7	84.2	81.5	86.6	89.8	91.2	82.6	75.7	86.1	87.8
USSR	105.6	111.0	116.4	118.8	118.7	116.2	114.7	116.2	112.6	N.A.
<b>Grain (million metric tons)</b>										
US	181.3	183.5	186.7	237.6	228.0	237.2	204.4	248.8	256.3	261.5
USSR	125.6	121.1	186.8	181.2	168.2	222.5	195.7	140.1	223.8	195.5
<b>Wheat (million metric tons)</b>										
US	36.9	35.8	36.8	44.0	42.0	46.4	48.9	58.1	58.3	55.1
USSR	64.3	59.7	99.7	98.8	86.0	109.8	83.9	66.2	96.9	92.0
<b>Coarse grain (million metric tons)</b>										
US	141.9	144.2	146.1	189.7	182.1	186.6	150.5	184.9	192.7	201.9
USSR	61.0	60.8	85.8	81.0	80.6	111.0	109.9	71.9	124.9	101.3
<b>Potatoes (million metric tons)</b>										
US	11.7	13.1	14.8	14.5	13.4	13.6	15.5	14.5	16.2	15.9
USSR	84.4	88.7	96.8	92.7	78.3	108.2	81.0	88.7	85.1	83.4
<b>Sugar (million metric tons)</b>										
US	3.6	4.9	5.3	5.3	5.5	5.5	5.1	5.7	6.2	5.6
USSR	6.9	12.0	11.1	9.8	9.7	11.6	10.3	11.3	10.1	13.0
<b>Meat (million metric tons)</b>										
US	12.8	14.3	22.5	23.3	23.3	22.1	23.6	23.0	25.1	25.3
USSR	8.7	10.0	12.3	13.3	13.6	13.5	14.6	15.0	13.6	14.8
<b>Milk (million metric tons)</b>										
US	53.7	56.3	53.3	53.8	54.4	52.4	52.4	52.3	54.6	55.8
USSR	61.7	72.6	83.0	83.2	83.2	88.3	91.8	90.8	89.7	94.8
<b>Wool (thousand metric tons)</b>										
US	146	109	85	82	80	72	65	57	52	49
USSR	357	357	419	429	420	433	462	467	435	458
<b>Ginned cotton (thousand metric tons)</b>										
US	3,107	3,260	2,219	2,281	2,983	2,825	2,513	1,808	2,303	3,122
USSR	1,458	1,925	2,343	2,414	2,481	2,606	2,859	2,674	2,815	2,978

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

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**AGGREGATIVE TRENDS**

<b>TABLE</b>	<b>PAGE</b>
7-9 Gross National Product .....	17-19
10 Real Gross National Product Growth .....	20
11 Real Gross National Product Per Capita Growth .....	21
12 Gross National Product Price Deflators .....	22
13 Gross Investment as a Share of Gross National Product .....	22
14 Economic Indicators Growth .....	23
15 Economic Indicators for Selected Less Developed Countries .....	24
16 Current Account Balance .....	25
17 International Reserves .....	26
18-19 Industrial Production .....	27-28
20 Industrial Production, by Month .....	29
21 Agricultural Production .....	30
22 Defense Expenditures .....	31
23 Metal Prices .....	32
24 Agricultural Prices .....	32
25 Oil Prices .....	33
26 Consumer Price Index .....	34
27 Consumer Price Inflation, by Month .....	35
28 Wholesale Price Index .....	36
29 Wholesale Price Inflation, by Month .....	37
30 Population .....	38
31-34 Labor Force .....	39-41
35 Unemployment Rate .....	42
36 Unemployment Rates, by Month .....	43
37 Exchange Rates .....	44



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Table 7

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

Billion 1977 US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World .....	3,620	4,630	6,040	6,300	6,830	7,070	7,270	7,280	7,640	7,960
Developed Countries .....	2,300	2,850	3,850	3,990	4,210	4,480	4,490	4,530	4,780	4,960
United States .....	1,041.3	1,308.4	1,519.6	1,565.0	1,655.1	1,745.2	1,721.0	1,698.9	1,801.4	1,890.1
Australia .....	44.2	56.5	75.3	79.5	81.9	87.1	89.0	89.4	93.3	93.8
Canada .....	86.8	115.0	144.3	153.9	162.5	174.2	179.8	181.7	190.6	195.0
Japan .....	164.9	265.1	467.9	502.1	546.7	600.3	593.8	608.0	646.3	685.1
Sweden .....	45.2	57.7	70.2	70.7	72.5	75.1	78.1	78.7	79.9	77.9
Switzerland .....	38.3	49.6	59.5	61.9	63.9	65.8	66.8	62.2	61.4	63.1
European Community .....	813	1,030	1,300	1,340	1,400	1,470	1,500	1,470	1,540	1,570
Belgium .....	39.3	50.5	63.4	66.0	69.6	74.0	76.9	75.4	77.2	79.1
France .....	167.3	222.2	294.2	309.8	327.8	345.1	355.1	351.6	369.9	381.0
Italy .....	91.5	118.4	158.6	161.2	166.2	177.5	183.5	176.9	186.8	190.6
Netherlands .....	51.5	65.8	84.9	88.6	92.1	97.5	99.8	98.6	103.2	105.8
United Kingdom .....	166.2	195.1	218.6	224.1	229.9	243.7	244.5	240.6	245.7	246.4
West Germany <sup>2</sup> .....	267.9	344.0	432.3	444.8	459.9	483.4	486.8	474.9	502.0	514.0
Less Developed Countries .....	482	625	829	872	926	1,000	1,100	1,020	1,070	1,130
Communist Countries .....	830	1,060	1,370	1,440	1,490	1,590	1,670	1,730	1,790	1,870
USSR and Eastern Europe .....	648	825	1,060	1,110	1,140	1,200	1,260	1,280	1,350	1,400
USSR <sup>3</sup> .....	473.1	614.5	806.7	837.6	855.0	909.0	951.8	972.6	1,013.5	1,047.9
Eastern Europe <sup>4</sup> .....	175	211	254	288	282	295	309	322	335	348
Bulgaria .....	9.5	13.1	16.9	17.4	18.3	19.0	19.7	21.2	22.0	22.1
Czechoslovakia .....	39.0	43.1	51.0	52.8	54.7	56.5	58.5	60.2	61.2	63.2
East Germany .....	43.0	49.6	58.0	59.2	61.3	63.1	66.2	68.6	70.3	73.1
Hungary .....	17.0	20.3	23.5	24.7	25.3	26.5	27.2	27.9	28.0	29.4
Poland .....	45.3	55.0	66.8	71.6	76.7	82.5	87.3	91.4	95.6	100.5
Romania .....	21.1	29.6	37.8	43.1	45.8	47.3	50.0	52.2	58.1	60.2
Far East .....		172								
China .....	141.0	172	244.0	260.9	273.0	308.1	319.6	341.5	341.9	372.2
Other .....										
Yugoslavia <sup>4</sup> .....	19.0	25.5	32.9	35.5	37.2	39.2	42.3	43.8	45.5	48.6

<sup>1</sup> Data for the non-Communist countries were converted from national currencies by using the 1977 Par Rate/Market Rate factors.<sup>2</sup> Including data for West Berlin.<sup>3</sup> See footnote 1 of Table 9 for an explanation of the data.<sup>4</sup> The dollar values of gross national product are not official figures. They are estimates based on Western concepts and procedures which compare as closely as possible to values published by Western countries. Estimates of GNP in domestic prices were converted at US purchasing power equivalent and extended to 1977 by means of the US official deflator for GNP. For additional information, see T. P. Alton "Comparative Structure and Growth of Economic Activity in Eastern Europe," in U.S. Congress, Joint Economic Committee, *East European Economics Post-Helsinki: A Compendium of Papers* (Washington, D.C., 1977).

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Table 8

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

	Purchasing Power Equivalents <sup>1</sup>	Purchasing Power Equivalents <sup>2</sup>	Average 1977 Par Rate/ Market Rate	Average 1976 Exchange Rate Conversions	Average 1973 Exchange Rate Conversions	February 1973 Exchange Rate Conversions	May 1972 Exchange Rate Conversions	April 1971 Exchange Rate Conversions
Gross National Product, 1977 (Billion 1977 US \$)								
OECD								
Belgium .....	N.A.	66.7	79.1	73.4	72.7	70.3	63.3	56.7
Denmark .....	N.A.	29.2	41.9	41.6	41.6	40.0	36.0	33.5
France .....	353.6	351.6	381.0	391.7	420.4	407.0	365.9	337.0
Italy .....	220.7	190.2	190.6	202.1	288.5	296.8	289.2	269.1
Japan .....	650.8	546.4	685.1	620.3	675.8	681.3	597.3	511.0
Netherlands .....	N.A.	72.6	105.8	98.2	92.9	88.9	80.0	71.7
Norway .....	N.A.	25.1	35.7	34.8	32.7	31.8	28.6	26.6
United Kingdom .....	317.9	299.0	246.4	255.0	346.1	351.5	367.8	338.8
West Germany <sup>4</sup> .....	398.1	353.9	514.0	474.0	446.6	411.5	370.3	326.1
Gross National Product Per Capita, <sup>3</sup> 1977 (United States = 100)								
OECD								
Belgium .....	N.A.	78	93	86	85	82	74	66
Denmark .....	N.A.	66	94	94	93	90	81	75
France .....	76	76	82	85	91	88	79	73
Italy .....	45	39	39	41	58	60	59	55
Japan .....	66	55	69	62	68	69	60	51
Netherlands .....	N.A.	60	87	81	77	73	66	59
Norway .....	N.A.	72	102	100	94	91	82	76
United Kingdom .....	63	60	50	52	71	72	75	69
West Germany <sup>4</sup> .....	74	66	96	89	83	77	69	61

<sup>1</sup> For the individual OECD countries, the ratios for converting GNP in national currencies at 1977 prices into 1977 US dollars on the basis of purchasing power equivalents are derived from the 1970 ratios in *A System of International Comparisons of Gross Product and Purchasing Power*, published for the World Bank by The Johns Hopkins University Press, Baltimore and London, 1975, p. 9, using the geometric mean of foreign and US weighted ratios. These 1970 GDP parities were moved to 1977 by applying the following factor: the derived price indexes for each OECD country for 1970-77 divided by a derived price index for the United States for 1970-77. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1977 prices.

<sup>2</sup> For the individual European OECD countries, the ratios for converting GNP in national currencies at 1977 prices into 1977 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 1977 by applying the following factor: the derived price indexes for each European country for 1950-77 divided by a derived price index for the United States for 1950-77. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1977 prices.

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

<sup>4</sup> Including data for West Berlin.

<sup>5</sup> Based on 1977 prices.

Table 9

Gross National Product, by End Use, in the US and the USSR  
1976

	Billion 1976 US \$ <sup>1</sup>		USSR as a Percent of US
	US	USSR	
Consumption	1,203.9	527.8	44
New fixed investment	273.6	321.8	118
Other government expenditures	229.0	158.7	69
GNP	1,706.5	960.4 <sup>2</sup>	56

<sup>1</sup> US data in market prices. Total Soviet gross national product (GNP) and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end-use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US weighted and Soviet weighted ratios was then used for the conversion of Soviet values into dollars.

The magnitudes for the Soviet end-use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs.

The end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education.

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

(3) Other government expenditures for the USSR include expenditures on defense, research and development (R&D), civil space, inventory change, administration, net exports, and a statistical discrepancy. Administration includes expenditures on civilian internal security, general agricultural programs, public organizations, government administration, and social welfare. Other government expenditures for the United States include defense, administration, net exports and military assistance, outlays for space R&D, change in inventories and stockpile, and a statistical discrepancy. Administration is the residual left after all current expenditures for national defense, health, education, and all capital expenditures are subtracted from government purchases of goods and services.

<sup>2</sup> The sum of the end-use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values. Nevertheless, the individual end-use components were not adjusted to agree with the total, since the US-USSR comparisons shown are believed to give the best available description of relative size.

Table 10

## Real Gross National Product Growth

	Average Annual Rate of Growth									Percent		
	1961-65		1966-70		1971	1972	1973	1974	1975		1976	1977
OECD												
United States .....	4.7	3.0	3.0	5.8	5.4	-1.4	-1.3	6.0	4.9			
Australia .....	5.0	5.9	5.6	3.0	6.3	2.2	0.4	4.4	0.5			
Canada .....	5.8	4.6	6.7	5.6	7.2	3.2	1.1	4.9	2.3			
Japan .....	10.0	12.0	7.3	8.9	9.8	-1.1	2.4	6.3	6.0			
Sweden .....	5.0	4.0	0.7	2.5	3.6	4.0	0.8	1.5	-2.5			
Switzerland .....	5.3	3.7	4.0	3.2	3.0	1.5	-6.9	-1.3	2.8			
European Community .....	4.8	4.7	3.4	4.0	5.6	1.7	-2.0	4.7	2.1			
Belgium .....	5.1	4.7	4.1	5.5	6.3	3.9	-2.0	2.4	2.5			
France .....	5.8	5.8	5.3	5.8	5.3	2.9	-1.0	5.2	3.0			
Italy .....	5.3	6.0	1.6	3.1	6.8	3.4	-3.6	5.6	2.0			
Netherlands .....	5.0	5.2	4.4	4.0	5.9	2.4	-1.2	4.7	2.5			
United Kingdom .....	3.3	2.3	2.5	2.6	6.0	0.3	-1.6	2.1	0.3			
West Germany <sup>1</sup> .....	5.1	4.7	2.9	3.4	5.1	0.7	-2.4	5.7	2.4			
Communist Countries												
USSR and Eastern Europe												
USSR <sup>2</sup> .....	5.0	5.3	4.2	1.7	7.2	3.8	1.9	4.3	3.3			
Eastern Europe .....	3.8	3.7	5.8	4.9	4.6	4.7	4.1	4.3	4.0			
Bulgaria .....	6.3	4.8	3.4	4.8	4.1	3.3	7.9	3.6	0.4			
Czechoslovakia .....	2.0	3.5	3.4	3.6	3.3	3.6	2.9	1.6	3.4			
East Germany .....	2.9	3.2	2.2	3.4	3.1	4.8	3.8	2.4	4.0			
Hungary .....	4.2	3.1	4.8	2.4	5.0	2.4	2.7	0.5	4.8			
Poland .....	4.1	3.8	7.1	7.1	7.5	5.9	4.6	4.7	5.1			
Romania .....	5.0	4.6	14.1	6.3	3.3	5.6	4.4	11.4	3.6			
Far East												
China .....	4.3	7.0	6.9	4.7	12.9	3.7	6.9	0.1	9.0			
North Korea .....	9.8	5.7	N.A.	N.A.	N.A.	N.A.	7.4	0.8	N.A.			
Other												
Yugoslavia .....	6.0	5.2	8.1	4.7	5.4	7.9	3.6	3.8	6.8			

<sup>1</sup> Including data for West Berlin.<sup>2</sup> At factor cost.

Table 11

## Growth of Real Gross National Product Per Capita

	Percent								
	Average Annual Rate of Growth								
	1961-65	1966-70	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>									
United States	3.2	1.9	1.9	4.9	4.6	-2.1	-2.0	5.3	4.1
Australia	2.9	4.0	3.1	1.4	5.5	0.6	-1.0	3.6	-1.6
Canada	3.8	3.0	5.2	4.6	5.7	1.4	-0.3	3.5	1.0
Japan	8.9	10.9	5.9	7.4	8.3	-2.4	1.1	5.2	4.8
Sweden	4.5	3.2	-0.5	2.5	3.6	2.7	0.8	1.5	-2.5
Switzerland	3.1	3.0	4.0	0	3.0	1.5	-6.9	-2.8	2.8
European Community	3.9	4.1	2.7	3.3	4.4	1.7	-2.2	4.6	1.7
Belgium	4.5	4.2	4.1	5.5	6.3	2.9	-1.9	2.4	2.4
France	4.5	4.9	4.3	5.0	4.3	2.1	-1.4	5.0	2.2
Italy	4.6	5.3	1.1	2.5	5.6	2.4	-4.3	4.9	1.3
Netherlands	3.6	4.1	2.8	3.2	5.1	1.6	-2.7	3.9	1.8
United Kingdom	2.6	1.9	2.1	2.2	5.8	0.1	-1.4	2.1	0.3
West Germany	4.0	3.9	1.9	2.7	4.6	0.7	-2.1	6.2	2.2
<b>Communist Countries</b>									
USSR and Eastern Europe									
USSR	3.5	4.2	3.2	0.7	6.3	2.8	1.0	3.3	2.5
Eastern Europe	3.2	3.1	5.2	4.3	4.0	4.0	3.5	3.6	3.2
Bulgaria	5.5	4.1	2.9	4.3	3.5	2.6	7.3	3.2	-0.1
Czechoslovakia	1.3	3.2	2.9	3.1	2.6	2.7	2.1	0.8	2.6
East Germany	3.1	3.2	2.2	3.5	3.5	5.1	4.2	2.8	4.0
Hungary	3.9	2.7	4.5	2.1	4.6	2.0	2.1	-0.1	4.4
Poland	2.8	3.0	6.2	6.3	6.6	4.9	3.6	3.6	4.1
Romania	4.4	3.2	12.9	5.4	2.5	4.6	3.4	10.3	2.4
Far East									
China	2.3	4.5	4.4	2.3	10.5	1.6	4.7	-1.9	6.8
North Korea	6.8	2.5	N.A.	N.A.	N.A.	N.A.	4.1	-1.8	N.A.
<b>Other</b>									
Yugoslavia	4.8	4.2	7.1	3.7	4.4	6.9	2.6	2.8	5.8

Table 12

Gross National Product Price Deflators

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States	75.2	81.3	100.0	105.1	109.5	115.8	127.4	139.3	146.4	154.7
Canada	74.4	81.9	100.0	103.5	108.7	118.6	135.9	151.2	166.0	177.7
Japan	62.4	79.4	100.0	104.6	109.6	122.2	147.5	158.4	168.6	179.2
European Community <sup>1</sup>										
France	65.7	81.0	100.0	105.9	112.6	121.3	135.3	154.0	169.1	182.8
Italy	64.0	84.2	100.0	107.2	113.8	126.7	148.0	174.1	202.0	244.0
United Kingdom	66.1	78.6	100.0	108.9	117.7	127.0	144.1	184.2	210.0	222.9
West Germany	71.1	84.7	100.0	107.9	114.2	120.9	129.3	139.7	144.6	147.7

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

Table 13

Gross Investment as a Share of GNP

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States	15.1	16.3	14.3	15.0	16.1	16.8	15.2	12.4	14.3	15.6
Australia	23.8	25.2	26.4	26.4	26.3	24.9	23.6	23.7	23.9	23.3
Canada	N.A.	N.A.	N.A.	22.0	21.9	22.5	23.3	24.2	23.3	22.9
Japan	30.1	30.6	35.0	34.3	34.5	36.6	34.2	30.8	29.6	28.9
European Community	20.7	22.3	22.8	23.0	22.7	22.8	22.5	21.4	21.0	20.7
Belgium	19.1	22.0	22.4	21.8	21.1	21.1	22.5	22.0	20.6	20.8
France	20.1	23.3	23.4	23.6	23.7	23.8	24.5	23.3	23.1	22.6
Italy	22.3	19.0	21.3	20.3	19.7	20.8	22.6	20.8	20.3	19.8
Netherlands	24.0	25.1	25.7	25.8	23.7	23.0	21.8	21.0	19.7	21.8
United Kingdom	16.4	18.3	18.7	18.6	18.6	19.7	20.7	20.0	19.2	18.0
West Germany	24.3	26.1	25.6	26.4	26.0	24.5	21.9	21.0	20.7	20.8
Communist Countries										
USSR	21.0	24.0	25.0	25.0	26.0	26.0	27.0	29.0	30.0	30.0

*Can we  
add it*

Table 14

Growth of Selected Economic Indicators<sup>1</sup>

Percent

	Average Annual Rate of Growth 1961-72	1970	1971	1972	1973	1974	1975	1976	1977
<b>Industrial production</b>									
United States	5.1	-3.0	1.6	9.2	8.5	-0.4	-8.9	10.2	5.6
Canada	6.4	1.6	6.0	6.7	8.0	4.0	-4.7	5.0	4.0
Japan	12.0	13.8	2.7	6.8	15.5	-3.9	-9.8	10.9	4.1
France	5.9	-1.2	4.0	7.1	8.4	2.5	-9.1	8.8	2.4
Italy	6.3	6.5	-0.1	4.3	10.6	3.5	-9.2	12.0	0
United Kingdom	2.5	0.2	0.5	2.1	8.8	-1.9	-5.5	1.0	1.9
West Germany	5.3	6.5	2.1	3.9	6.6	-1.8	-5.4	7.6	0.8
<b>Consumer prices</b>									
United States	2.9	5.9	4.3	3.3	6.3	10.9	9.2	5.8	6.5
Canada	3.1	3.3	2.9	4.8	7.5	10.9	10.8	7.5	7.9
Japan	5.8	7.6	6.1	4.5	11.7	24.4	11.9	9.3	8.0
France	4.3	5.8	5.5	6.2	7.4	13.7	11.7	9.6	9.8
Italy	4.2	4.8	5.0	5.7	10.8	19.1	17.0	16.8	18.4
United Kingdom	4.7	6.3	9.4	7.3	9.1	16.0	24.2	16.5	15.9
West Germany	3.1	2.3	5.4	5.5	6.9	7.0	5.9	4.5	3.9
<b>Export prices (US dollar basis)</b>									
United States	2.2	5.6	3.5	1.7	16.7	27.1	12.4	4.0	4.8
Canada	N.A.	6.0	3.4	5.5	12.9	35.7	6.6	5.8	-1.4
Japan	0.8	5.6	3.1	11.7	22.8	28.9	-0.2	-1.6	-14.9
France	2.5	2.1	6.1	11.5	24.1	16.7	19.0	-2.0	7.1
Italy	1.8	4.1	5.9	11.1	16.7	27.1	12.4	-6.0	N.A.
United Kingdom	2.5	7.8	7.3	6.8	11.1	22.9	16.3	-2.0	14.3
West Germany	3.6	10.9	7.8	10.9	22.9	18.7	12.4	0	10.0
<b>Import prices (US dollar basis)</b>									
United States	2.3	7.0	6.5	6.1	19.2	50.0	7.5	3.0	8.7
Canada	N.A.	5.2	5.5	4.2	6.7	26.0	11.2	3.9	N.A.
Japan	1.3	3.0	2.9	11.4	22.6	40.7	12.3	0.5	-13.2
France	1.6	4.3	4.2	10.0	21.8	35.8	9.9	-1.0	9.1
Italy	2.1	2.5	4.9	11.6	27.1	55.7	5.3	-2.0	N.A.
United Kingdom	1.8	4.5	6.5	6.1	25.0	44.6	6.4	0	12.0
West Germany	2.1	6.1	3.8	7.4	27.6	28.4	5.3	1.0	8.9
<b>Productivity (output per hour)</b>									
United States	3.3	-0.4	5.6	5.2	2.9	-5.5	4.5	4.7	2.6
Canada	4.6	1.5	7.1	4.3	4.1	1.6	-1.6	3.3	4.0
Japan	9.8	12.7	2.7	7.0	11.2	0.7	-4.4	13.0	6.1
France	5.9	5.0	6.0	6.5	5.0	2.9	2.2	9.4	3.8
Italy	6.1	5.0	4.8	7.6	11.2	5.5	-3.7	7.5	0.5
United Kingdom	3.9	0.6	4.0	7.4	4.2	1.0	-2.5	3.5	-1.6
West Germany	5.2	2.5	4.6	6.0	6.1	6.1	3.7	8.2	4.2

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



Tables 15

## Selected Non-OPEC LDCs: Economic Indicators

	Percent Change				
	1973	1974	1975	1976	1977
<b>Industrial Production</b>					
India	1.4	2.2	4.0	11.3	5.4
Mexico	9.7	8.0	4.6	2.2	3.8
Nigeria	15.8	5.8	-6.0	14.5	9.6
South Korea	33.5	27.7	18.9	33.3	16.5
Taiwan	20.5	1.4	5.5	24.5	13.2
<b>Consumer Price Inflation</b>					
Brazil	12.6	27.6	29.0	41.8	43.7
India	16.9	28.6	5.7	-7.6	8.3
Mexico	12.1	23.8	15.0	15.8	29.1
Nigeria	-12.1	35.6	34.4	20.9	21.9
South Korea	3.2	23.7	25.2	15.3	10.1
Taiwan	13.1	43.6	6.7	2.5	6.2
<b>Wholesale Price Inflation</b>					
Brazil	15.3	29.0	27.8	40.4	40.6
India	18.0	29.1	3.5	-2.0	7.5
Mexico	15.7	22.9	10.2	22.3	41.2
South Korea	6.9	42.1	26.1	12.1	9.1
Taiwan	22.9	34.0	-5.1	2.8	4.0
<b>Money Supply</b>					
Brazil	41.8	38.2	35.2	39.2	40.0
India	16.5	14.2	8.1	13.4	16.3
Mexico	25.0	20.7	22.3	22.9	27.6
Nigeria	17.7	40.5	85.7	50.7	21.2
South Korea	51.4	26.3	26.1	30.8	39.0
Taiwan	41.2	19.1	21.2	18.5	24.7

Table 16

Current Account Balance <sup>1</sup>

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD	N.A.	N.A.	12,000	16,400	15,900	19,400	-15,300	14,800	-4,830	-10,800
United States	4,817	7,706	4,703	1,330	-3,045	9,739	8,134	12,417	8,732	-11,052
Canada	-1,219	-916	1,056	395	-394	103	-1,510	-4,571	-3,801	-3,834
Japan	223	1,025	2,146	6,016	6,951	74	-4,490	-418	3,895	11,148
European Community	2,870	2,420	5,660	9,300	10,200	7,310	-5,140	9,260	-1,070	9,330
Belgium <sup>2</sup>	160	212	1,016	1,052	1,387	1,528	1,303	1,214	36	136
Denmark	-62	-175	-510	-383	10	-707	-1,167	-599	-2,176	-2,044
France	719 <sup>3</sup>	581 <sup>3</sup>	516	992	1,029	-58	-4,820	1,102	-4,989	-1,845
Ireland	-9	-124	-188	-186	-130	-302	-821	-247	-420	-360
Italy	371	2,353	1,424	2,862	3,255	-900	-6,838	610	-1,745	2,701
Netherlands	372	46	-555	-179	1,302	2,211	2,115	2,348	2,761	511
United Kingdom	-460	357	2,093	3,135	855	-1,250	-7,473	-2,833	-75	2,247
West Germany	1,779	-825	1,864	2,002	2,489	6,784	12,556	7,661	7,679	7,984
Non-OPEC Less Developed Countries	N.A.	N.A.	-8,640	-11,400	-8,730	-8,590	-25,400	-34,000	-25,000	-22,000
Brazil	-534	248	-845	-1,640	-1,695	-2,162	-7,557	-6,990	-6,557	-4,854
Mexico	-326	-403	-1,075	-843	-926	-1,423	-2,897	-4,068	-3,334	-1,780
South Korea	243	-125	-706	-911	-422	-342	-2,094	-1,954	-462	-40
Taiwan	-125	-80	7	174	516	571	-1,112	-588	316	964
OPEC	N.A.	N.A.	637	2,700	3,300	6,920	67,800	35,600	41,000	35,000
Iran	-125	-104	-511	-122	-393	156	12,299	4,724	4,733	5,090
Saudi Arabia	190	89	152	977	1,631	2,702	24,022	17,008	16,957	17,600
Venezuela	394	36	-50	90	-34	905	5,926	2,424	1,521	-936

<sup>1</sup> Including goods, services, and private transfers.<sup>2</sup> Including Luxembourg.<sup>3</sup> Excluding overseas departments and territories.

Table 17

International Reserves <sup>1</sup>

	Million US \$									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States	19,359	15,450	14,487	13,189	13,150	14,378	15,883	16,226	18,747	19,317
Australia	743	1,317	1,693	3,316	6,141	5,698	4,269	3,256	3,169	2,384
Austria	714	1,305	1,751	2,343	2,718	2,874	3,429	4,439	4,410	4,244
Canada	1,998	3,037	4,679	5,701	6,050	5,769	5,825	5,325	5,843	4,607
Japan	1,949	2,152	4,840	15,360	18,366	12,246	13,519	12,815	16,605	23,260
Portugal	635	938	1,504	1,945	2,311	2,839	2,354	1,534	1,302	1,377
Spain	541	1,422	1,817	3,268	5,014	6,772	6,485	6,090	5,284	6,590
Switzerland	2,324	3,444	5,132	6,966	7,557	8,520	9,011	10,428	12,993	13,829
European Community										
Belgium	1,507	2,334	2,847	3,473	3,869	5,100	5,346	5,797	5,206	5,761
France	2,272	6,343	4,960	8,252	10,015	8,529	8,852	12,593	9,728	10,194
Italy	3,251	4,800	5,352	6,820	6,085	6,436	6,941	4,774	6,654	11,608
Netherlands	1,861	2,413	3,241	3,796	4,785	6,547	6,957	7,109	7,387	8,064
United Kingdom	3,719	3,004	2,827	8,832	5,647	6,476	6,938	5,459	4,230	21,057
West Germany	7,033	7,430	13,610	18,657	23,785	33,171	32,398	31,034	34,801	39,737
Latin America										
Brazil	345	484	1,187	1,746	4,183	6,415	5,272	4,034	6,541	7,255
Venezuela	609	819	1,021	1,522	1,732	2,411	6,514	8,861	8,578	8,214
Middle East										
Iran	183	251	208	621	960	1,237	8,383	8,897	8,833	12,266
Iraq	258	234	462	600	782	1,553	3,273	2,728	4,601	6,996
Saudi Arabia	185	726	662	1,444	2,500	3,877	14,284	23,320	27,025	30,034
Africa										
Libya	82	246	1,590	2,665	2,925	2,127	3,616	2,195	3,205	4,890
Nigeria	343	239	222	429	376	583	5,626	5,609	5,203	4,262
Communist Countries										
USSR	2,800	1,500	2,800	3,900	5,400	8,000	13,300	10,700	10,700	12,200
Yugoslavia	13	103	140	212	731	1,338	1,147	871	2,049	2,104

<sup>1</sup> Including gold and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1972 are expressed in terms of US dollars at the official par values and, in 1972-77, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold.

Table 18

## Communist Indexes of Industrial Production

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
1970 = 100										
USSR and Eastern Europe <sup>1</sup>										
USSR										
Official	44	67	100	108	115	124	133	143	150	159
Adjusted	54	74	100	107	112	119	126	134	139	144
Eastern Europe <sup>2</sup>										
Adjusted	58	76	100	105	116	116	123	131	138	145
Bulgaria										
Official	34	60	100	109	119	130	140	154	166	175
Adjusted	34	60	100	107	110	116	124	132	138	144
Czechoslovakia										
Official	55	72	100	106	114	122	129	138	146	154
Adjusted	64	81	100	103	107	111	115	121	126	131
East Germany										
Official	55	73	100	106	112	120	128	137	145	153
Adjusted	65	83	100	103	105	107	113	118	123	128
Hungary										
Official	52	74	100	107	112	120	130	136	142	152
Adjusted	56	84	100	102	103	107	109	116	119	124
Poland										
Official	45	67	100	108	119	134	150	164	180	195
Adjusted	51	74	100	106	114	123	132	142	155	160
Romania										
Official	30	51	100	112	125	143	164	184	205	231
Adjusted	35	58	100	109	118	130	145	155	169	184
Far East										
North Korea <sup>3</sup>										
Official	30	59	100	100	134	160	188	225	225	N.A.

<sup>1</sup> The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially higher than can be justified by either improved quality or increased production costs. Because output of these "new" products grows from a small base their rates of growth will proceed at a higher rate than that 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 i.e., price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

<sup>2</sup> An official index is not published.

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

Table 19

Industrial Production Index<sup>1</sup>

1970 = 100

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>a</sup>
OECD										
United States	61	83	100	102	110	120	120	109	120	127
Canada	56	78	100	106	113	122	127	121	127	132
Japan	28	49	100	103	110	127	122	110	122	127
European Community										
France	57	73	100	104	112	120	123	113	123	126
Italy	51	71	100	100	104	115	119	108	121	121
United Kingdom	76	88	100	100	102	111	109	103	104	106
West Germany	57	75	100	102	106	113	111	105	113	116
Communist Countries										
USSR and Eastern <sup>b</sup> Europe										
USSR <sup>c</sup>	54	74	100	107	112	119	126	134	139	144
Eastern Europe	58	76	100	105	116	116	123	131	138	145
Bulgaria	34	66	100	107	110	116	124	132	138	144
Czechoslovakia	64	81	100	103	107	111	115	121	126	131
East Germany	65	83	100	103	105	107	113	118	123	128
Hungary	56	84	100	102	103	107	109	114	119	124
Poland	51	74	100	106	114	123	132	142	151	160
Romania	35	58	100	109	118	130	145	155	169	184
Far East										
China <sup>d</sup>	57	63	100	110	122	138	144	159	159	181
Other										
Yugoslavia	45	74	100	110	119	126	140	147	152	167

<sup>1</sup> Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of this Office (See Table 18 for detailed explanation.)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for the Communist countries include manufacturing, mining, and public utilities.

<sup>a</sup> Preliminary.

<sup>b</sup> Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 48.21 percent, 32.88 percent, and 18.91 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

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

Table 20

## Big Seven: Industrial Production, by Month

Index: 1970=100 Seasonally Adjusted

	United States	Big Six Foreign Countries <sup>1</sup>	Japan	West Germany	France	United Kingdom	Italy	Canada
1973 Jan	117.2	114.5	119.3	111.0	117.0	108.8	105.5	119.2
Feb	118.6	115.6	119.3	113.0	119.0	109.7	105.1	121.8
Mar	119.2	117.3	123.8	113.0	119.0	110.8	107.5	122.6
Apr	119.2	116.4	122.9	113.0	116.0	109.3	107.3	123.1
May	120.2	119.1	126.3	113.0	123.0	109.7	113.0	122.9
Jun	120.5	119.3	126.6	112.0	121.0	111.0	116.9	124.4
Jul	121.0	119.1	126.7	109.0	123.0	111.5	117.6	125.1
Aug	121.0	121.1	128.4	115.0	123.0	111.8	120.7	122.1
Sep	121.6	120.6	129.5	114.0	121.0	111.5	117.7	123.8
Oct	121.9	121.7	131.8	113.0	122.0	111.9	120.9	125.3
Nov	122.1	122.6	132.8	114.0	123.0	111.6	122.0	126.5
Dec	121.8	120.9	130.4	114.0	119.0	109.7	121.2	127.0
1974 Jan	120.5	121.8	129.6	114.0	125.0	103.8	127.2	127.9
Feb	120.2	121.6	129.8	113.0	126.0	107.0	121.1	128.4
Mar	120.6	121.2	127.6	113.0	124.0	109.3	123.8	129.5
Apr	120.5	121.1	126.3	113.0	125.0	110.3	124.6	128.5
May	121.8	121.8	128.6	114.0	126.0	110.8	120.1	128.3
Jun	122.4	120.5	124.7	112.0	125.0	111.8	123.9	128.6
Jul	122.3	121.4	125.6	114.0	128.0	111.5	120.3	127.7
Aug	122.2	118.7	120.8	109.0	128.0	112.1	118.6	127.4
Sep	122.3	117.4	120.6	110.0	122.0	109.1	118.1	127.2
Oct	120.1	116.0	118.4	109.0	122.0	107.5	114.5	126.5
Nov	115.9	113.9	115.3	109.0	117.0	107.8	112.0	125.6
Dec	110.7	110.7	111.6	104.0	114.0	105.9	110.8	124.8
1975 Jan	106.9	109.6	107.4	105.0	115.0	107.7	108.4	121.6
Feb	104.5	109.2	105.9	104.0	114.0	107.3	113.5	121.8
Mar	103.6	108.2	106.3	105.0	112.0	104.8	105.8	121.0
Apr	104.5	109.1	109.4	104.0	112.0	102.7	111.1	121.2
May	105.5	106.6	108.8	102.0	108.0	100.7	102.3	120.1
Jun	108.0	109.0	111.1	103.0	112.0	100.8	109.9	121.2
Jul	109.8	108.5	112.4	102.0	110.0	101.1	106.7	121.1
Aug	112.2	107.6	111.2	104.0	110.0	99.4	96.3	121.3
Sep	113.3	109.8	113.0	105.0	111.0	100.8	110.1	120.4
Oct	113.4	110.8	113.0	107.0	114.0	101.4	109.3	120.2
Nov	114.6	111.0	111.8	108.0	113.0	101.7	110.6	123.5
Dec	115.4	112.5	114.0	109.0	117.0	100.5	111.8	123.7
1976 Jan	116.6	114.4	116.5	110.0	120.0	101.5	113.7	124.8
Feb	118.1	116.0	119.0	112.0	120.0	102.1	115.7	125.9
Mar	118.8	117.8	122.7	112.0	122.0	101.8	120.2	126.8
Apr	119.1	119.2	126.8	112.0	122.0	103.3	119.3	127.6
May	120.2	119.1	124.4	111.0	122.0	106.4	123.4	129.4
Jun	120.7	118.7	125.9	112.0	123.0	101.1	117.5	127.3
Jul	121.2	119.9	128.7	110.0	124.0	104.1	122.4	126.9
Aug	121.8	119.3	126.6	113.0	124.0	103.2	113.7	128.4
Sep	121.3	121.3	126.0	115.0	129.0	104.4	121.5	127.6
Oct	121.0	120.6	126.3	115.0	123.0	104.9	125.0	127.3
Nov	122.2	123.5	129.4	115.0	129.0	105.1	128.8	134.1
Dec	123.5	123.5	129.4	116.0	125.0	104.6	135.5	132.7
1977 Jan	122.7	124.2	129.6	117.0	129.0	105.6	131.9	131.6
Feb	123.6	123.0	127.9	116.0	127.0	105.3	132.0	130.9
Mar	125.5	124.4	129.7	118.0	129.0	105.5	131.7	131.2
Apr	126.3	122.1	129.1	116.0	125.0	103.5	124.3	130.8
May	127.1	121.9	127.9	115.0	123.0	105.1	130.3	131.6
Jun	127.8	122.4	129.6	116.0	128.0	100.1	122.0	132.6
Jul	128.7	120.3	126.5	115.0	124.0	104.2	116.1	131.1
Aug	128.1	121.2	130.1	116.0	124.0	103.3	112.1	132.2
Sep	128.5	122.3	129.5	117.0	126.0	103.5	119.5	131.6
Oct	128.8	120.8	127.9	116.0	123.0	102.7	117.4	132.0
Nov	129.2	122.8	130.5	117.0	127.0	102.1	120.3	132.8
Dec	129.6	123.3	131.7	119.0	123.0	103.7	121.8	133.3

<sup>1</sup> Weighted average.

Table 21

## Agricultural Production Index

	1970 = 100								
	1965	1970	1971	1972	1973	1974	1975	1976	1977
Developed Countries	92	100	106	105	108	111	114	116	119
United States <sup>1</sup>	97	100	110	109	111	105	113	116	120
Canada	107	100	115	110	111	103	114	129	128
European Community									
France	95	100	104	104	111	112	109	107	112
Italy	89	100	100	95	101	106	107	104	102
United Kingdom	92	100	104	106	107	113	107	103	105
West Germany	85	100	103	99	101	105	103	102	104
Oceania	85	100	102	101	104	100	107	111	107
Less Developed Countries	85	100	101	101	104	107	111	115	117
Africa	88	100	101	100	97	103	103	107	108
Far East	81	100	102	98	107	106	114	114	118
Latin America	88	100	100	101	103	110	111	116	119
Middle East	85	100	104	112	107	115	120	126	125
Communist Countries									
USSR and Eastern Europe									
USSR <sup>2</sup>	80	100	100	94	108	106	97	105	108
Eastern Europe <sup>3</sup>	89	100	105	112	118	120	119	121	124
Bulgaria	92	100	103	108	107	107	111	114	107
Czechoslovakia	81	100	100	104	108	111	112	110	114
East Germany	91	100	101	107	110	117	117	112	116
Hungary	89	100	114	119	127	132	129	125	134
Poland	91	100	103	111	119	123	120	119	120
Romania	93	100	115	126	133	130	136	156	154
Far East									
China <sup>4</sup>	82	100	103	100	112	115	117	117	118
North Korea <sup>5</sup>	90	100	N.A.	79	107	140	154	160	170
Other									
Yugoslavia	88	100	107	105	113	121	119	127	131

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

<sup>2</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. The weights used to aggregate estimated agricultural output are the average prices realized by all producers for products sold in 1970.

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

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

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

Table 22

## Defense Expenditures as a Share of Gross National Product

		1965	1970	1971	1972	1973	1974	1975	1976
	77								
OECD <sup>1</sup>									
Australia	2.6	4.4	3.7	3.5	3.4	3.0	2.7	3.2	3.2
Austria	1.1	1.2	1.1	1.0	1.0	1.0	1.0	1.2	1.1
Belgium	3.1	3.1	2.9	2.8	2.8	2.7	2.7	3.0	3.1
Canada	3.0	3.0	2.4	2.3	2.2	2.0	2.0	2.0	2.0
Denmark	2.8	2.8	2.4	2.5	2.4	2.1	2.4	2.6	2.5
Finland	1.7	1.7	1.5	1.6	1.6	1.6	1.5	1.7	1.6
France	5.2	5.2	4.2	4.0	3.9	3.8	3.7	3.9	3.8
Greece	3.5	3.5	4.7	4.6	4.4	4.0	4.1	6.3	5.1
Ireland	1.4	1.4	1.1	1.2	1.2	1.3	1.4	1.4	1.7
Italy	3.3	3.3	2.7	2.9	3.1	3.0	2.9	2.8	2.7
Japan	1.0	1.0	0.8	0.9	0.9	0.9	0.9	1.0	0.9
Luxembourg	1.4	1.4	0.8	0.8	0.9	0.8	0.9	1.1	1.1
Netherlands	4.0	4.0	3.4	3.4	3.3	3.2	3.3	3.5	3.3
New Zealand	2.1	2.1	2.0	1.9	1.7	1.6	1.8	1.7	1.8
Norway	3.8	3.8	3.5	3.4	3.3	3.2	3.1	3.3	3.2
Portugal	6.0	6.0	6.5	6.8	6.3	5.4	6.8	5.0	3.9
Spain	2.7	2.7	3.1	3.0	3.0	2.7	2.8	3.0	2.9
Sweden	3.9	3.9	3.5	3.5	3.5	3.4	3.3	3.2	3.2
Switzerland	2.6	2.6	2.1	2.1	2.0	1.9	1.9	1.9	2.0
Turkey	5.0	5.0	4.3	4.4	4.2	4.0	3.8	4.5	5.6
United Kingdom	5.9	5.9	4.8	5.0	5.2	4.9	5.1	5.0	5.2
United States <sup>2</sup>	7.9	7.9	8.0	6.9	6.2	5.7	5.4	5.4	5.0
West Germany <sup>3</sup>	4.3	4.3	3.3	3.3	3.4	3.4	3.6	3.6	3.4
Less Developed Countries	N.A.	N.A.	6.3	6.4	5.9	5.8	5.8	6.1	6.3
OPEC	N.A.	N.A.	4.8	4.8	5.2	5.3	5.8	6.4	7.9
Iran	N.A.	N.A.	7.8	8.3	8.9	8.4	11.8	14.5	12.2
Nigeria	N.A.	N.A.	5.9	4.2	5.2	5.0	3.8	4.6	5.3
Saudi Arabia	N.A.	N.A.	6.3	6.4	6.4	7.2	5.1	5.8	19.4

<sup>1</sup> Except for the United States, data are from the United States Arms Control and Disarmament Agency, based on the ratio of military expenditures to gross national product (GNP) at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

<sup>2</sup> Based on the ratio of military expenditures to GNP in constant 1975 prices.

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



Table 23

## Metal Prices

US Cents per Pound

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Aluminum <sup>1</sup> .....	27.23	24.50	28.72	29.00	26.45	25.33	34.06	39.79	44.34	51.34
Copper <sup>2</sup> .....	30.74	58.51	64.17	49.05	48.47	80.81	93.07	55.85	63.62	59.33
Lead <sup>3</sup> .....	9.02	14.39	13.78	11.47	13.66	19.47	26.81	18.66	20.38	27.90
Nickel <sup>4</sup> .....	74.00	78.70	129.00	133.00	139.70	153.00	173.50	205.83	225.58	230.08
Tin <sup>5</sup> .....	99.60	179.40	166.70	158.70	170.70	218.40	371.30	310.20	345.87	489.20
Zinc <sup>5</sup> .....	11.09	14.11	13.40	13.99	18.79	38.47	56.01	33.68	32.15	26.70

<sup>1</sup> Virgin unalloyed ingot at New York.<sup>2</sup> London Metal Exchange electrolytic wirebars.<sup>3</sup> London Metal Exchange refined pig lead, minimum 99.97 percent.<sup>4</sup> US major producer of cathodes, spot, f.o.b. refinery.<sup>5</sup> London Metal Exchange.

Table 24

## Agricultural Prices

US \$ per Metric Ton

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Coffee <sup>1</sup> .....	807	965	1,230	986	1,159	1,526	1,617	1,821	3,295	5,890
Corn <sup>2</sup> .....	50	56	58	58	56	98	132	119	112	95
Cotton <sup>3</sup> .....	692	670	653	611	756	1,237	1,276	994	1,499	1,358
Palm oil <sup>4</sup> .....	228	273	260	261	217	378	669	429	407	580
Rice <sup>5</sup> .....	179	183	190	192	216	397	556	419	309	333
Soybeans <sup>6</sup> .....	92	117	117	126	140	291	277	220	231	279
Soybean meal <sup>7</sup> .....	78	94	103	102	130	302	184	155	198	229
Soybean oil <sup>8</sup> .....	224	270	291	306	231	436	832	563	414	520
Sugar <sup>9</sup> .....	69	47	83	100	164	212	661	452	255	177
Tea <sup>10</sup> .....	1,422	1,280	1,092	1,053	1,050	1,060	1,397	1,375	1,540	2,641
Wheat <sup>11</sup> .....	58	60	55	62	70	140	180	149	133	103

<sup>1</sup> From Santos, No. 4, New York spot.<sup>2</sup> US No. 2 yellow, f.o.b. Gulf ports.<sup>3</sup> US, domestic middling 1 inch, 12 markets.<sup>4</sup> United Kingdom 5 percent bulk, c.i.f.<sup>5</sup> US No. 2, milled, f.o.b., New Orleans.<sup>6</sup> US No. 2, bulk, c.i.f., Rotterdam.<sup>7</sup> US, 44 percent extraction, c.i.f., Rotterdam.<sup>8</sup> All origins, f.o.b., Netherlands.<sup>9</sup> Caribbean, raw, f.a.s., No. 11 bulk, New York spot.<sup>10</sup> London, average price all teas.<sup>11</sup> US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.

Table 25

## OPEC Countries: Crude Oil Prices

US \$ per Barrel

	1st Qtr 1977		2d Qtr 1977		3d Qtr 1977		4th Qtr 1977		Jan-Feb 1978	
	Operating Company Cost <sup>1</sup>	Direct Sales Price <sup>2</sup>	Operating Company Cost	Direct Sales Price	Operating Company Cost	Direct Sales Price	Operating Company Cost	Direct Sales Price	Operating Company Cost	Direct Sales Price
OPEC average <sup>3</sup>	12.45	12.74	12.46	12.76	12.70	13.01	12.69	12.99	12.68	12.97
Saudi Arabia										
Light 34° API 1.70% sulfur	11.84	12.09	11.84	12.09	12.45	12.70	12.45	12.70	12.50	12.70
Berri 39° API 1.16% sulfur	12.22	12.48	12.22	12.48	12.95	13.22	12.95	13.22	13.02	13.22
Heavy 27° API 2.85% sulfur	11.13	11.37	11.13	11.37	11.77	12.02	11.77	12.02	11.82	12.02
Medium 31° API 2.40% sulfur	11.44	11.69	11.44	11.69	12.07	12.32	12.07	12.32	12.12	12.32
Iran										
Light 34° API 1.35% sulfur	12.59	12.81	12.59	12.81	12.59	12.81	12.59	12.81	12.59	12.81
Heavy 31° API 1.60% sulfur	12.27	12.49	12.27	12.49	12.27	12.49	12.27	12.49	12.27	12.49
Iraq 35° API 1.95% sulfur	12.62	12.62	12.60	12.60	12.60	12.60	12.60	12.60	12.60	12.60
Nigeria 34° API 0.16% sulfur	13.91	14.22	14.15	14.52	14.15	14.52	14.15	14.52	13.86	14.22
UAE 39° API 0.75% sulfur	12.08	12.50	12.08	12.50	12.73	13.26	12.73	13.26	12.73	13.26
Kuwait 31° API 2.50% sulfur <sup>4</sup>	12.22	12.37	12.22	12.37	12.22	12.37	12.22	12.37	12.12	12.27
Libya 40° API 0.22% sulfur	13.68	13.92	13.68	13.92	14.01	14.20	14.01	14.20	13.75	14.00
Venezuela 26° API 1.52% sulfur	12.52	12.72	12.52	12.72	12.52	12.72	12.62	12.82	12.62	12.82
Indonesia 35° API 0.09% sulfur	12.15	13.55	12.15	13.55	12.15	13.55	12.15	13.55	12.25	13.55
Algeria 42° API 0.10% sulfur	14.29	14.29	14.29	14.29	14.45	14.45	14.45	14.45	14.25	14.25
Qatar 40° API 1.17% sulfur	12.88	13.19	12.88	13.19	12.88	13.19	12.88	13.19	12.88	13.19
Gabon 29° API 1.26% sulfur	11.79	12.80	11.79	12.80	11.79	12.80	11.79	12.80	11.79	12.80
Ecuador 28° API 0.93% sulfur	11.68	13.00	11.68	13.00	11.68	13.00	11.68	12.60	11.32	12.40

<sup>1</sup> Total average f.o.b. costs paid by present or former concessionaires.<sup>2</sup> F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.<sup>3</sup> Weighted by the volume of production.<sup>4</sup> A 10-cent-per-barrel discount will be offered to buyers provided they meet their minimum contractual lifting volumes for second half 1977. The discount will be credited to the lifting companies' accounts beginning in first quarter 1978.

Table 26

## Consumer Price Index

	1970 = 100									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	76	81	100	104	108	114	127	139	147	156
Canada .....	77	83	100	103	108	116	129	142	153	165
Japan .....	57	77	100	106	112	124	154	172	188	204
European Community										
Belgium .....	74	84	100	104	110	118	133	150	163	175
France .....	67	81	100	106	112	120	136	152	167	183
Italy .....	68	87	100	105	111	122	146	171	200	237
Netherlands .....	66	79	100	108	116	125	137	151	165	175
United Kingdom .....	67	80	100	110	117	127	148	184	215	249
West Germany .....	77	88	100	105	111	119	127	135	141	146
Communist Countries										
USSR <sup>1</sup> .....	87	94	100	101	105	104	105	108	111	N.A.
Eastern Europe <sup>2</sup>										
Czechoslovakia .....	74	80	100	102	104	107	110	112	112	N.A.
Hungary .....	82	88	100	105	110	115	118	123	130	N.A.
Poland .....	78	88	100	103	106	112	122	128	143	N.A.
Other										
Yugoslavia .....	31	59	100	116	135	161	195	243	271	312

<sup>1</sup> Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the OER 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," Joint Economic Committee, Congress of the United States, 14 October 1976, p. 631.

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

Table 27

Big Seven: Consumer Price Inflation,<sup>1</sup> by Month

		Percent							
		United States	Big Six Foreign Countries <sup>2</sup>	Japan	West Germany	France	United Kingdom	Italy	Canada
1973	Jan	4.3	6.7	4.9	6.5	7.4	8.5	10.1	6.3
	Feb	4.9	7.0	7.8	5.8	5.8	7.4	9.4	7.4
	Mar	6.4	7.5	10.2	6.3	3.6	6.8	9.8	8.3
	Apr	7.9	9.0	14.5	6.7	4.2	7.3	10.7	8.1
	May	8.9	10.9	19.1	7.4	6.0	8.0	12.2	7.9
	Jun	8.5	11.8	20.2	7.5	8.3	8.1	13.1	8.7
	Jul	7.4	12.1	19.6	7.7	9.6	8.6	13.6	9.1
	Aug	8.1	11.2	16.8	7.1	9.7	9.1	12.2	9.8
	Sep	8.8	11.2	17.2	6.2	9.9	10.8	9.8	10.1
	Oct	10.7	11.0	16.4	5.5	10.2	13.1	8.4	10.7
	Nov	9.7	11.6	16.5	6.4	10.9	14.9	8.2	10.1
	Dec	9.7	13.2	18.5	8.9	11.5	15.7	11.5	9.0
1974	Jan	9.6	16.4	27.6	10.3	12.5	15.2	14.8	8.5
	Feb	11.0	20.6	40.8	9.6	14.0	16.1	18.4	9.0
	Mar	12.6	21.7	44.0	7.1	15.9	17.3	21.0	10.7
	Apr	13.1	20.5	37.6	6.0	17.1	19.3	22.6	11.7
	May	12.8	16.8	23.2	5.7	17.5	19.5	23.9	12.9
	Jun	11.5	15.1	17.4	6.1	17.1	19.6	22.7	13.5
	Jul	11.0	14.5	15.6	6.3	16.1	18.2	24.9	14.1
	Aug	11.1	15.5	19.9	6.1	14.9	16.6	27.9	12.7
	Sep	11.9	15.8	21.0	6.1	13.8	15.4	33.0	10.8
	Oct	12.6	15.6	20.7	6.1	13.3	15.3	33.6	9.9
	Nov	12.9	15.1	18.1	6.3	13.3	17.7	32.1	10.9
	Dec	12.3	15.0	17.5	6.4	13.4	20.4	26.4	12.7
1975	Jan	11.3	13.7	13.5	6.4	13.2	23.9	21.2	12.8
	Feb	9.7	11.5	8.8	5.8	12.4	24.9	16.1	12.0
	Mar	8.3	9.4	4.1	5.5	11.6	26.2	12.3	10.0
	Apr	7.2	9.0	4.3	5.2	10.6	26.6	9.7	8.8
	May	6.3	10.1	6.6	6.0	10.1	31.7	8.3	7.6
	Jun	6.3	11.6	8.8	6.7	9.5	35.3	10.3	8.4
	Jul	7.0	12.4	9.2	6.9	9.4	37.8	12.0	10.2
	Aug	8.1	11.7	8.7	6.2	9.4	31.2	13.3	12.9
	Sep	8.2	10.6	8.2	5.5	9.6	24.6	11.8	12.8
	Oct	6.9	10.1	9.8	5.2	9.5	18.6	10.6	11.6
	Nov	6.4	10.0	10.8	5.4	9.2	17.0	9.9	10.0
	Dec	6.4	9.8	10.5	5.0	9.0	16.3	10.9	9.5
1976	Jan	7.1	8.9	8.0	4.3	9.4	16.1	11.7	8.7
	Feb	6.0	8.7	7.3	4.2	9.6	15.9	13.3	7.3
	Mar	4.8	9.0	8.0	4.5	10.1	14.6	15.2	6.2
	Apr	3.7	9.7	9.3	5.1	9.9	12.8	20.0	5.6
	May	4.0	9.8	9.5	4.9	9.8	10.5	24.9	5.8
	Jun	4.9	9.9	10.7	4.4	8.7	8.7	26.8	5.9
	Jul	5.6	9.5	11.4	3.3	8.8	8.6	22.9	5.5
	Aug	5.9	9.0	10.9	3.1	8.8	10.7	17.5	4.8
	Sep	5.8	9.2	9.6	3.3	10.4	15.1	14.6	4.5
	Oct	5.5	10.1	8.3	4.1	10.9	19.9	17.6	5.4
	Nov	5.0	11.1	8.7	3.5	11.5	22.0	23.1	6.6
	Dec	4.6	11.5	9.0	3.1	10.7	21.6	28.2	7.0
1977	Jan	5.1	11.1	9.1	3.2	9.1	21.4	26.8	7.0
	Feb	6.3	10.9	9.1	4.6	7.1	21.2	24.0	7.9
	Mar	8.3	10.3	7.8	5.3	6.4	21.0	20.8	9.9
	Apr	9.5	10.2	7.7	5.2	8.2	18.0	19.6	11.1
	May	9.6	10.0	7.9	4.3	10.6	15.2	18.0	10.9
	Jun	8.7	9.8	8.9	3.8	12.3	12.5	16.4	9.5
	Jul	7.3	9.4	8.7	3.7	12.1	11.0	16.3	8.4
	Aug	6.2	8.7	7.3	3.8	11.3	11.1	15.7	7.3
	Sep	5.3	8.1	6.1	3.6	10.4	11.5	14.5	7.2
	Oct	4.4	7.6	5.9	3.2	9.5	11.6	12.1	7.7
	Nov	4.2	6.6	4.2	2.3	8.8	9.8	11.3	9.0
	Dec	4.4	5.5	2.1	2.0	7.9	7.7	11.5	10.0

<sup>1</sup> Seasonally adjusted at an annual rate. Three-month average compared with previous three months.<sup>2</sup> Weighted average.

Table 28

## Wholesale Price Index

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	86	88	100	103	108	122	145	158	166	176
Canada .....	81	88	100	101	108	132	161	172	179	195
Japan .....	89	90	100	99	100	116	152	157	165	168
European Community										
Belgium <sup>1</sup> .....	82	90	100	99	103	116	136	137	147	151
France <sup>2</sup> .....	77	85	100	104	110	122	158	149	160	169
Italy .....	77	88	100	103	108	126	177	192	236	278
Netherlands <sup>3</sup> .....	81	90	100	104	108	116	129	137	147	155
United Kingdom <sup>3</sup> .....	74	84	100	109	115	123	152	189	220	262
West Germany <sup>1, 3</sup> .....	88	94	100	104	107	114	135	137	144	147

<sup>1</sup> Excluding the value added tax.<sup>2</sup> Intermediate goods prices.<sup>3</sup> Industrial goods prices.<sup>4</sup> Data are for January-September.

*Big Seven*

Table 29

Wholesale Price Inflation,<sup>1</sup> by Month

	United States	Big Six Foreign Countries <sup>1</sup>	Japan	West Germany	France	United Kingdom	Italy	Canada
1973 Jan	4.4	10.0	13.1	5.8	8.0	8.4	12.5	15.8
Feb	5.3	9.4	14.4	6.0	7.2	5.1	8.5	14.9
Mar	6.8	9.1	16.8	6.3	4.5	2.7	6.0	15.0
Apr	9.5	9.4	17.6	6.7	4.7	0.9	6.1	16.0
May	11.3	9.6	18.0	5.1	4.7	1.0	10.9	16.4
Jun	11.8	5.8	16.3	4.7	7.2	1.8	19.0	-22.7
Jul	9.7	7.9	17.9	4.7	9.1	6.6	30.0	-23.2
Aug	7.3	10.8	20.8	7.2	11.6	11.3	36.1	-22.4
Sep	5.4	22.4	24.9	8.1	13.0	15.8	35.0	73.3
Oct	6.5	23.2	27.0	8.0	13.7	17.3	30.0	78.0
Nov	9.1	24.3	29.3	8.0	15.2	18.3	27.2	81.7
Dec	13.6	23.6	38.8	9.5	17.1	18.5	33.3	26.2
1974 Jan	18.3	31.1	54.5	14.6	21.5	18.9	47.1	28.1
Feb	22.9	39.6	71.4	20.0	24.7	22.4	69.6	28.0
Mar	27.5	43.1	66.8	25.3	28.3	28.3	88.6	28.4
Apr	31.5	39.1	48.1	24.3	29.6	35.7	88.4	28.1
May	35.1	30.2	26.0	20.0	29.0	37.0	67.7	27.7
Jun	36.1	22.8	16.6	14.1	26.3	34.0	43.7	23.8
Jul	35.8	18.6	14.5	11.5	21.0	27.2	31.6	20.3
Aug	34.4	17.5	16.2	9.8	17.1	23.7	31.5	17.7
Sep	31.3	16.3	14.1	9.5	13.7	22.4	34.0	17.2
Oct	26.1	14.5	10.9	8.4	13.0	24.1	32.1	12.7
Nov	19.1	11.9	6.7	7.5	12.0	25.4	24.7	8.5
Dec	14.2	9.3	4.3	5.9	10.2	26.6	16.0	4.2
1975 Jan	10.5	6.5	0.2	4.5	6.9	27.1	8.3	4.7
Feb	8.5	3.8	-3.3	2.4	4.3	27.0	0.5	6.1
Mar	6.3	2.1	-5.7	0.9	2.8	26.3	-4.8	7.8
Apr	4.9	1.6	-4.5	-0.8	2.7	24.9	-8.4	8.1
May	3.6	2.6	-1.4	-0.8	2.6	25.2	-8.1	7.9
Jun	3.4	4.2	1.7	-0.1	3.2	24.5	-6.2	9.7
Jul	3.3	5.4	3.0	0.8	4.0	24.1	-2.4	10.6
Aug	4.0	5.9	3.1	1.4	5.8	20.7	2.3	9.8
Sep	4.7	6.8	3.3	2.4	7.4	18.5	7.9	8.9
Oct	6.5	7.8	4.7	3.3	8.3	15.8	12.3	10.0
Nov	8.1	8.1	5.2	3.7	7.7	14.5	14.5	11.4
Dec	9.4	7.5	4.5	2.6	6.9	14.6	14.2	11.1
1976 Jan	9.0	6.7	2.8	2.3	6.7	14.8	14.5	8.2
Feb	7.8	6.8	3.1	2.7	6.9	15.1	15.7	6.0
Mar	6.0	7.7	5.1	3.5	7.0	13.0	22.0	3.0
Apr	4.7	9.6	7.4	4.4	7.9	12.7	33.1	2.4
May	3.9	11.6	8.5	4.8	9.7	12.5	46.6	2.4
Jun	4.3	13.1	8.5	5.9	11.5	14.3	51.3	5.0
Jul	5.0	13.5	9.1	6.3	12.1	15.5	44.3	8.4
Aug	6.4	13.0	9.0	6.5	11.5	17.7	32.8	12.2
Sep	7.1	12.5	8.9	6.5	10.8	19.9	24.6	13.4
Oct	8.0	11.7	7.3	5.7	10.0	21.6	23.4	11.9
Nov	8.5	11.3	5.8	4.5	9.5	22.7	27.4	9.3
Dec	8.6	10.5	3.0	2.4	8.2	23.1	30.6	11.6
1977 Jan	7.6	9.5	0.2	1.5	6.3	24.2	29.4	14.0
Feb	6.7	7.9	-1.3	1.0	4.4	23.4	21.1	16.1
Mar	6.8	6.5	-1.3	1.6	3.4	22.2	13.8	11.9
Apr	8.1	6.0	0.5	1.9	5.1	19.8	6.5	10.0
May	8.5	5.9	1.6	2.1	6.4	18.7	4.5	7.7
Jun	7.7	6.1	2.3	2.1	7.5	18.4	3.8	6.7
Jul	6.2	5.8	1.3	1.8	6.2	18.3	6.6	5.8
Aug	5.5	5.6	-0.4	1.7	5.5	17.9	8.4	7.9
Sep	5.6	5.8	-1.3	1.8	5.6	16.3	10.7	10.5
Oct	6.1	6.2	-0.6	1.7	7.3	13.8	12.0	11.6
Nov	6.3	5.9	-0.6	1.7	8.5	10.8	13.3	9.9
Dec	6.4	4.7	-2.8	1.2	8.5	8.9	11.9	9.0

<sup>1</sup> Seasonally adjusted at an annual rate. Three-month average compared with previous three months.<sup>2</sup> Weighted average.

Table 30

## Estimated Population

Million Persons at Midyear

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>641.2</b>	<b>690.7</b>	<b>714.4</b>	<b>721.7</b>	<b>728.7</b>	<b>735.6</b>	<b>741.9</b>	<b>747.4</b>	<b>752.4</b>	<b>758.1</b>
United States	180.7	194.3	204.9	207.1	208.8	210.4	211.9	213.6	215.1	216.8
Australia	10.4	11.6	12.7	12.9	13.2	13.4	13.6	13.8	13.9	14.1
Austria	7.0	7.2	7.4	7.5	7.5	7.5	7.6	7.5	7.5	7.5
Canada	17.9	19.7	21.3	21.6	21.8	22.1	22.4	22.7	23.0	23.3
Finland	4.4	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
Greece	8.3	8.6	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.2
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	105.7	107.2	108.7	110.2	111.6	112.8	113.9
New Zealand	2.4	2.6	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.1
Norway	3.6	3.7	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0
Portugal	8.6	8.8	8.6	8.6	8.6	8.6	8.8	8.8	8.8	8.9
Spain	30.8	32.1	33.8	34.1	34.5	34.9	35.2	35.5	36.0	36.4
Sweden	7.5	7.7	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.3
Switzerland	5.4	6.0	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5
Turkey	27.5	31.2	35.3	36.2	37.1	38.0	38.9	39.9	40.9	42.0
European Community	<b>232.4</b>	<b>243.5</b>	<b>251.6</b>	<b>253.4</b>	<b>255.0</b>	<b>256.7</b>	<b>257.8</b>	<b>258.4</b>	<b>258.7</b>	<b>259.2</b>
Belgium	9.2	9.5	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8
Denmark	4.6	4.8	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1
France	45.7	48.8	50.8	51.3	51.7	52.2	52.5	52.7	52.9	53.1
Ireland	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2
Italy	50.3	52.0	53.7	54.0	54.3	54.9	55.4	55.8	56.2	56.4
Luxembourg	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.2	13.3	13.4	13.5	13.7	13.8	13.9
United Kingdom	52.6	54.4	55.5	55.7	55.9	56.0	56.1	56.0	56.0	56.0
West Germany <sup>1</sup>	55.4	58.7	60.7	61.3	61.7	62.0	62.0	61.8	61.5	61.4
<b>Less Developed Countries</b>										
Brazil	70.3	80.7	92.5	95.2	97.8	100.6	103.4	106.2	109.2	112.2
Egypt	25.9	29.4	33.0	33.7	34.4	35.2	36.0	36.9	37.8	38.8
India	445.8	494.9	553.6	566.2	579.0	592.0	605.1	618.5	632.4	646.5
Indonesia	94.8	104.9	116.8	119.4	122.3	125.2	128.2	131.3	134.3	137.5
Mexico	36.4	42.9	50.5	52.2	53.9	55.7	57.6	59.6	61.6	63.7
Philippines	27.9	32.4	37.5	38.6	39.7	40.7	41.8	42.8	43.8	44.9
South Korea	25.1	29.1	33.0	33.8	34.6	35.4	36.1	36.8	37.5	38.2
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>311.0</b>	<b>330.7</b>	<b>345.8</b>	<b>348.8</b>	<b>351.8</b>	<b>354.5</b>	<b>357.6</b>	<b>360.5</b>	<b>363.7</b>	<b>366.9</b>
USSR	214.3	230.9	242.8	245.1	247.5	249.7	252.1	254.4	256.7	258.9
Eastern Europe	<b>96.7</b>	<b>99.8</b>	<b>103.0</b>	<b>103.7</b>	<b>104.3</b>	<b>104.8</b>	<b>105.5</b>	<b>106.1</b>	<b>107.0</b>	<b>107.9</b>
Bulgaria	7.9	8.2	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
Czechoslovakia	13.7	14.1	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0
East Germany	17.1	17.0	17.1	17.1	17.0	17.0	16.9	16.8	16.8	16.8
Hungary	10.0	10.2	10.3	10.4	10.4	10.4	10.5	10.5	10.6	10.6
Poland	29.6	31.3	32.5	32.8	33.1	33.4	33.7	34.0	34.4	34.7
Romania	18.4	19.0	20.3	20.5	20.7	20.8	21.0	21.2	21.4	21.7
<b>Other</b>										
Albania	1.6	1.9	2.1	2.2	2.2	2.3	2.3	2.4	2.5	2.5
China	683.1	754.0	846.6	866.7	886.4	905.7	924.4	943.0	962.3	982.5
Cuba	7.0	7.8	8.6	8.7	8.9	9.0	9.2	9.3	9.5	9.6
Mongolia	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5
North Korea	10.6	12.2	14.2	14.6	15.1	15.5	16.0	16.5	17.0	17.6
Yugoslavia	18.4	19.4	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8

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

Table 31

Labor Force <sup>1</sup>

Million Persons at Midyear

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup>	72.14	77.18	85.90	86.93	88.99	91.04	93.24	94.79	96.92	99.53
Canada <sup>3</sup>	6.48	7.27	8.40	8.64	8.92	9.32	9.70	10.06	10.31	10.62
Japan <sup>3</sup>	45.11	47.87	51.53	51.78	51.99	53.26	53.10	53.23	53.78	54.52
European Community	N.A.	105	105	105	105	106	107	107	107	N.A.
France	N.A.	20.38	21.46	21.64	21.82	22.08	22.28	22.23	22.44	22.77
Italy	N.A.	19.92	19.50	19.48	19.23	19.37	19.63	19.80	20.02	21.61
United Kingdom	N.A.	25.50	25.30	25.12	25.19	25.54	25.60	25.83	26.09	26.33
West Germany	N.A.	27.03	26.82	26.91	26.90	26.98	26.80	26.42	26.15	26.05
<b>Communist Countries</b>										
USSR and Eastern Europe	158	166	179	181	184	187	189	192	195	197
USSR <sup>4</sup>	110.13	116.49	125.61	127.67	129.72	131.61	133.60	135.77	137.99	140.14
Eastern Europe	48.2	49.7	53.4	53.8	54.5	55.1	55.6	56.2	56.6	57.1
Bulgaria	4.42	4.26	4.55	4.56	4.60	4.64	4.64	4.66	4.68	4.70
Czechoslovakia	6.40	6.77	7.03	7.11	7.21	7.30	7.36	7.44	7.49	7.53
East Germany	8.51	8.39	8.53	8.54	8.57	8.63	8.67	8.71	8.76	8.80
Hungary	4.74	4.78	5.00	5.08	5.13	5.17	5.20	5.22	5.23	5.23
Poland	14.13	15.21	16.89	17.05	17.38	17.70	17.99	18.28	18.56	18.84
Romania	10.00	10.27	11.36	11.48	11.59	11.68	11.77	11.85	11.92	11.97
Far East										
Vietnam <sup>5</sup>	8.50	9.70	10.95	11.25	11.55	11.85	12.15	12.50	22.00	23.21
Other										
Yugoslavia <sup>6</sup>	7.07	7.81	7.71	7.78	7.89	7.92	8.07	8.31	8.43	8.59

<sup>1</sup> Unless otherwise indicated, data include the armed forces and the unemployed.<sup>2</sup> Annual averages of monthly data.<sup>3</sup> Data as of the end of the year.<sup>4</sup> USSR data from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, Sep. 1976, p. 19.<sup>5</sup> Excluding the armed forces and South Vietnam prior to 1976.<sup>6</sup> Excluding those employed abroad and the armed forces.



Table 32

Nonagricultural Labor Force<sup>1</sup>

Million Persons at Midyear

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup>	60.32	66.73	75.16	75.73	78.23	80.96	82.44	81.40	84.19	87.30
Canada <sup>3</sup>	5.30	6.47	7.41	7.59	7.88	8.33	8.71	8.88	9.10	9.29
Japan <sup>3</sup>	31.63	36.84	42.52	43.46	44.20	46.01	46.07	46.05	46.70	49.53
European Community	N.A.	87.5	90.7	91.0	91.3	92.8	93.3	92.4	92.4	N.A.
France	N.A.	16.08	17.49	17.72	17.99	18.38	18.65	18.41	18.61	19.15
Italy	N.A.	13.92	14.90	14.87	14.84	15.12	15.60	15.85	16.00	N.A.
United Kingdom	N.A.	23.84	23.59	23.30	23.31	23.89	24.03	23.93	23.76	23.89
West Germany	N.A.	23.54	23.91	24.08	24.09	24.25	23.81	23.50	23.35	23.37
<b>Communist Countries</b>										
USSR and Eastern Europe	92.0	108	124	127	131	134	138	141	145	148
USSR <sup>4</sup>	64.70	76.46	88.11	90.70	93.28	95.70	98.22	100.92	103.67	106.36
Eastern Europe	27.3	31.1	35.9	36.8	37.7	38.7	39.6	40.4	41.2	41.9
Bulgaria	1.93	2.34	2.91	2.98	3.06	3.15	3.20	3.27	3.32	3.38
Czechoslovakia	4.71	5.30	5.74	5.84	6.00	6.12	6.20	6.30	6.36	6.40
East Germany	6.95	7.00	7.46	7.49	7.53	7.63	7.70	7.78	7.85	7.93
Hungary	2.90	3.35	3.75	3.86	3.93	4.00	4.09	4.13	4.16	4.19
Poland	7.47	8.82	10.57	10.80	11.15	11.51	11.85	12.19	12.51	12.84
Romania	3.37	4.31	5.49	5.80	6.02	6.28	6.52	6.76	6.98	7.18
Far East										
Vietnam <sup>5</sup>	2.00	2.95	3.30	3.40	3.45	3.55	3.65	3.80	6.70	7.07
<b>Other</b>										
Yugoslavia <sup>6</sup>	2.70	3.36	3.64	3.81	4.00	4.08	4.28	4.52	4.69	4.90

<sup>1</sup> Unless otherwise indicated, data include the armed forces.<sup>2</sup> Civilian employment. The data are annual averages of monthly data that exclude the armed forces.<sup>3</sup> Data are as of the end of the year.<sup>4</sup> USSR data from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawcy, Foreign Economic Report No. 10, US Department of Commerce, Sep. 1976, p. 19.<sup>5</sup> Excluding the armed forces and including South Vietnam, prior to 1976.<sup>6</sup> Excluding those employed abroad and the armed forces.

Table 33

Industrial Employment <sup>1</sup>

Million Persons Annual Average

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States	17.51	18.69	19.97	19.13	19.54	20.69	20.74	19.09	19.74	20.39
Canada <sup>2</sup>	N.A.	2.45	2.65	2.66	2.73	2.92	2.98	2.95	3.00	3.01
Japan <sup>3</sup>	9.89	11.79	13.97	14.00	13.99	14.56	14.41	13.62	13.63	13.57
European Community	N.A.	41.2	41.3	40.9	40.2	40.5	40.2	41.4	40.6	N.A.
France	N.A.	7.69	8.06	8.09	8.13	8.24	8.27	7.46	7.40	N.A.
Italy	N.A.	7.66	8.12	8.15	8.04	8.05	8.06	8.30	8.23	N.A.
United Kingdom	N.A.	11.54	10.91	10.55	10.32	10.48	10.46	10.02	9.76	9.82
West Germany	N.A.	9.64	9.58	9.57	9.32	9.30	9.09	11.41	11.07	N.A.
Communist Countries										
USSR and Eastern Europe	34.0	40.3	46.1	46.8	49.6	48.5	49.4	50.3	51.2	51.9
USSR	22.62	27.45	31.59	32.03	32.46	32.88	33.43	34.05	34.82	35.30
Eastern Europe	11.4	12.8	14.5	14.8	15.2	15.6	16.0	16.3	16.4	16.6
Bulgaria	0.72	0.90	1.09	1.12	1.14	1.17	1.20	1.22	1.22	1.23
Czechoslovakia	2.21	2.41	2.60	2.60	2.64	2.66	2.68	2.70	2.71	2.72
East Germany	2.78	2.78	2.85	2.87	2.92	3.05	3.07	3.07	3.10	3.11
Hungary	1.39	1.57	1.79	1.78	1.77	1.79	1.81	1.80	1.80	1.80
Poland	3.01	3.50	4.12	4.22	4.37	4.48	4.60	4.68	4.68	4.72
Romania	1.25	1.67	2.06	2.20	2.32	2.48	2.66	2.80	3.91	2.99
Far East										
Vietnam <sup>3</sup>	0.75	0.95	1.10	1.10	1.15	1.20	1.20	1.25	2.20	2.32
Other										
Yugoslavia	1.07	1.38	1.45	1.53	1.60	1.65	1.75	1.84	1.89	1.98

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

Table 34

Agricultural Labor Force <sup>1</sup>

Million Persons at Midyear

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>1</sup>	7.06	5.61	4.52	4.44	4.37	4.34	4.39	4.34	4.38	4.14
Canada <sup>2</sup>	0.68	0.59	0.51	0.51	0.48	0.47	0.48	0.49	0.47	0.47
Japan <sup>3</sup>	12.70	10.50	8.40	7.70	7.10	6.60	6.63	6.20	6.00	5.90
Communist Countries										
USSR and Eastern Europe	66.3	58.6	55.0	54.0	53.2	52.4	51.5	50.6	49.8	49.0
USSR <sup>4</sup>	45.44	40.04	37.50	36.97	36.44	35.91	35.38	34.85	34.32	33.79
Eastern Europe	20.8	18.6	17.5	17.1	16.8	16.4	16.1	15.8	15.4	15.2
Bulgaria	2.49	1.93	1.64	1.59	1.54	1.49	1.44	1.40	1.36	1.32
Czechoslovakia	1.68	1.48	1.29	1.27	1.20	1.18	1.16	1.14	1.13	1.12
East Germany	1.56	1.38	1.08	1.05	1.04	1.00	0.97	0.93	0.90	0.88
Hungary	1.83	1.42	1.26	1.23	1.20	1.17	1.12	1.09	1.07	1.05
Poland	6.66	6.39	6.32	6.25	6.23	6.19	6.14	6.09	6.05	6.00
Romania	6.62	5.97	5.87	5.68	5.56	5.41	5.25	5.10	4.94	4.79
Far East										
Vietnam <sup>3</sup>	6.50	6.75	7.65	7.85	8.10	8.30	8.50	8.70	15.40	16.25
Other										
Yugoslavia	4.37	4.22	3.86	3.77	3.68	3.59	3.51	3.43	3.32	3.22

<sup>1</sup> Excluding the armed forces.<sup>2</sup> Data are for civilian employment and are based on data published by the US Department of Agriculture.<sup>3</sup> Data are as of the end of the year.<sup>4</sup> USSR data from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, U.S. Dept. of Commerce,

Sept 76, p. 19.

<sup>5</sup> Including South Vietnam beginning in 1976.

Table 35

Unemployment Rate <sup>1</sup>

	Percent									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States	5.5	4.5	4.9	5.9	5.6	4.9	5.6	8.5	7.7	7.0
Canada	7.0	3.9	5.7	6.2	6.2	5.6	5.4	6.9	7.1	8.1
France	2.0	1.6	2.8	3.0	3.0	2.9	3.1	4.3	4.8	5.2
Italy	4.3	4.0	3.5	3.5	4.0	3.8	3.2	3.7	4.0	3.3
Japan	1.7	1.2	1.2	1.3	1.4	1.3	1.4	1.9	2.0	2.0
United Kingdom <sup>2</sup>	2.2	2.2	3.1	3.9	4.2	3.2	3.2	4.7	6.4	6.9
West Germany	1.1	0.3	0.8	0.8	0.8	0.8	1.7	3.8	3.7	3.6

<sup>1</sup> Data adjusted to US concepts.<sup>2</sup> Excluding Northern Ireland.

Table 36

## Big Seven: Unemployment Rates, by Month

		Percent							
		United States	Big Six Foreign Countries <sup>1</sup>	Japan	West Germany	France	United Kingdom	Italy	Canada
1973	Jan	4.9	2.0	1.3	1.0	1.7	3.2	3.7	6.1
	Feb	5.0	2.0	1.3	1.0	1.7	3.0	3.7	5.9
	Mar	4.9	2.0	1.2	1.1	1.7	2.9	4.1	5.6
	Apr	5.0	2.0	1.3	1.1	1.7	2.8	4.1	5.5
	May	4.9	1.9	1.3	1.1	1.8	2.7	4.1	5.3
	Jun	4.8	2.0	1.4	1.2	1.8	2.7	3.2	5.4
	Jul	4.8	1.9	1.3	1.2	1.8	2.6	3.2	5.3
	Aug	4.8	1.9	1.2	1.3	1.9	2.5	3.2	5.3
	Sep	4.8	2.0	1.2	1.3	2.0	2.4	3.0	5.6
	Oct	4.6	2.0	1.1	1.4	2.0	2.3	3.0	5.7
	Nov	4.8	2.0	1.2	1.5	1.9	2.2	3.0	5.5
	Dec	4.9	2.1	1.3	1.8	2.0	2.2	2.9	5.4
1974	Jan	5.0	2.1	1.2	1.9	2.0	2.4	2.9	5.3
	Feb	5.1	2.2	1.4	2.0	2.0	2.5	2.9	5.3
	Mar	5.0	2.2	1.4	2.1	2.0	2.5	2.6	5.2
	Apr	5.0	2.2	1.2	2.3	2.0	2.5	2.6	5.2
	May	5.2	2.2	1.2	2.3	2.0	2.5	2.6	5.4
	Jun	5.3	2.2	1.3	2.4	2.0	2.5	2.9	5.0
	Jul	5.5	2.3	1.3	2.6	2.1	2.6	2.9	5.1
	Aug	5.4	2.4	1.4	2.8	2.2	2.6	2.9	5.3
	Sep	5.9	2.5	1.4	3.1	2.4	2.7	3.0	5.4
	Oct	5.9	2.7	1.6	3.4	2.7	2.7	3.0	5.4
	Nov	6.6	2.8	1.6	3.6	2.9	2.8	3.0	5.6
	Dec	7.2	3.0	1.8	3.6	3.1	2.9	2.9	6.0
1975	Jan	8.0	3.1	1.7	3.8	3.2	3.0	2.9	6.6
	Feb	8.1	3.2	1.7	3.9	3.3	3.1	2.9	6.6
	Mar	8.6	3.3	1.7	4.2	3.5	3.2	3.6	6.8
	Apr	8.8	3.4	1.8	4.6	3.6	3.4	3.6	6.8
	May	9.1	3.6	1.8	5.0	3.7	3.6	3.6	7.0
	Jun	8.7	3.8	1.9	5.2	3.9	3.8	3.3	7.0
	Jul	8.6	3.8	1.9	5.3	4.0	4.1	3.3	6.9
	Aug	8.4	3.9	1.9	5.3	4.1	4.3	3.3	7.2
	Sep	8.5	3.9	2.0	5.2	4.2	4.4	3.5	7.0
	Oct	8.4	4.0	2.2	5.0	4.3	4.6	3.4	7.2
	Nov	8.3	4.0	2.2	4.9	4.3	4.8	3.4	7.2
	Dec	8.2	4.0	2.1	4.8	4.3	5.0	3.4	7.0
1976	Jan	7.9	3.9	2.0	4.7	4.3	5.1	3.4	6.8
	Feb	7.7	4.0	2.0	4.8	4.3	5.2	3.4	7.0
	Mar	7.6	3.9	1.9	4.7	4.3	5.2	3.7	6.8
	Apr	7.6	4.0	2.0	4.7	4.3	5.3	3.6	7.1
	May	7.4	4.0	2.1	4.6	4.3	5.3	3.6	7.1
	Jun	7.5	4.0	2.1	4.6	4.3	5.3	3.9	7.1
	Jul	7.7	4.0	2.1	4.6	4.2	5.5	3.9	7.3
	Aug	7.8	4.0	2.0	4.6	4.3	5.6	3.9	7.2
	Sep	7.7	4.0	2.0	4.5	4.3	5.6	3.8	7.2
	Oct	7.7	4.0	2.0	4.5	4.3	5.5	3.8	7.4
	Nov	7.8	4.0	2.0	4.5	4.3	5.6	3.8	7.3
	Dec	7.8	4.0	1.8	4.4	4.4	5.6	6.6	7.5
1977	Jan	7.4	4.0	1.8	4.5	4.5	5.7	6.6	7.5
	Feb	7.6	4.1	1.9	4.4	4.6	5.6	6.6	8.0
	Mar	7.4	4.1	1.9	4.4	4.7	5.6	6.8	8.1
	Apr	7.1	4.2	1.9	4.5	4.7	5.6	6.8	8.2
	May	7.1	4.2	2.1	4.6	4.9	5.6	6.8	7.9
	Jun	7.1	4.3	2.2	4.6	5.0	5.7	7.9	8.0
	Jul	6.9	4.4	2.2	4.6	5.2	5.9	7.9	8.2
	Aug	7.0	4.4	2.1	4.6	5.4	6.0	7.9	8.2
	Sep	6.8	4.4	2.0	4.6	5.2	6.1	7.3	8.3
	Oct	6.8	4.3	2.0	4.6	5.0	6.1	7.2	8.3
	Nov	6.7	4.4	2.1	4.6	4.9	6.1	7.2	8.4
	Dec	6.4	4.3	2.1	4.5	4.8	6.0	6.9	8.5

<sup>1</sup> Weighted average, excluding data for Italy.

Table 37

## Exchange Rates for Currencies of the Communist Countries as of 1 April 1978

	Unit of Currency	Exchange Rate			
		In Terms of US \$1 <sup>1</sup>		In Terms of 1 Ruble	
		Commercial Rate <sup>2</sup>	Noncommercial Rate <sup>3</sup>	Commercial Rate <sup>1,3</sup>	Noncommercial Rate <sup>4</sup>
USSR	Ruble	0.6870	0.6870		
Eastern Europe					
Bulgaria	Lev	0.91	1.35	1.30	0.88
Czechoslovakia	Koruna	5.40	9.45	8.00	10.00
East Germany	Deutschemark East	3.48 <sup>5</sup>	2.05	4.67 <sup>5</sup>	3.32
Hungary	Forint	39.00 <sup>6</sup>	19.50	35.00 <sup>6</sup>	14.75
Poland	Zloty	3.32	32.70	4.44	15.30
Romania	Leu	4.47	12.00	6.67	8.60
Far East					
China	Yuan	1.68	1.68	2.13	2.22
North Korea	Won	2.15	2.15	1.33	N.A.
Vietnam <sup>7</sup>	Dong (North)	2.65	3.97	3.27	1.92
	Dong (South)	1.85			
Other					
Albania	Lek	5.00 <sup>8</sup>	12.50 <sup>8</sup>	5.56	13.90
Cuba	Peso	0.83	0.83	1.11	1.11
Mongolia	Tugrik	3.11	N.A.	4.44	N.A.
Yugoslavia	Dinar	18.30 <sup>9</sup>	18.30 <sup>9</sup>	24.45	N.A.

<sup>1</sup> Since the initial devaluation of the US dollar, in December 1971, the Communist countries have frequently adjusted their exchange rates relative to the dollar. Changes in the exchange rates reflect the position of the dollar relative to other Western currencies.

<sup>2</sup> Official rates unless otherwise indicated. These rates are used for converting trade statistics.

<sup>3</sup> Unless otherwise indicated, data quoted by USSR Gosbank.

<sup>4</sup> Rates used for noncommercial transactions such as diplomatic, tourist, and student expenditures; personal remittances; and the like. Some countries have special rates for tourists and personal remittances in addition to the noncommercial rate.

<sup>5</sup> The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05.

<sup>6</sup> Since January 1976, Hungary expressed the value of its foreign trade in domestic forints rather than diviza forints as in previous years. The rates compare with the former official rate of 8.51 diviza forints per US \$1 and 13.04 diviza forints per 1 ruble. Gosbank USSR still quotes rates for the diviza forint, which remains unchanged at 13.04 per 1 ruble.

<sup>7</sup> Although the Socialist Republic of Vietnam is a unified country, different currencies are in use in the Northern and Southern zones. The internal exchange rate is 1 Northern dong=0.8 Southern dong.

<sup>8</sup> Pre-1973 devaluation rate; the postdevaluation rate is unknown.

<sup>9</sup> Dinar floating relative to the dollar.

STAT

**SOVIET ECONOMIC PERFORMANCE**

<b>TABLE</b>		<b>PAGE</b>
38	Gross National Product	45
39	Gross Fixed Capital Investment	45
40	Stock of Fixed Capital	46
41	Aggregate Factor Productivity	46
42	Industrial Factor Productivity	47
43	Industrial Production, by Sector	47
44	Balance of Payments	48
45	Drawings and Scheduled Repayments on Western Credits	48
46	Gold Production and Reserves	49
47	State Budget	49
48	Economic Plans	50

SOVIET ECONOMIC  
PERFORMANCE

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Table 38

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
Total	100	100	100	100	100	100	100	100	100	100
Consumption <sup>3</sup>	61	58	58	58	58	57	57	58	57	57
Investment	21	24	25	25	26	26	27	29	30	30
New fixed <sup>4</sup>	17	20	21	21	21	21	22	23	24	24
Defense, administration, R&D, inventory change, net exports, and outlays, n.e.c.	18	18	17	17	16	17	16	14	13	12

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

<sup>2</sup> Preliminary.

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

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

Table 39

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
Total investment	41.30	56.00	80.60	86.50	92.60	97.00	104.00	112.90	118.0	121.4
By function <sup>3</sup>										
Construction and installation	29.4	35.5	49.9	54.2	57.6	59.1	62.3	66.2	67.0	68.9
Equipment	10.4	16.9	24.4	25.7	27.8	29.9	32.9	37.1	40.7	41.9
Other capital outlays	2.2	3.6	6.3	6.6	7.2	8.0	8.8	9.6	10.3	10.6
By sector										
Industry	14.86 <sup>4</sup>	20.63	28.66	30.17	32.33	34.11	36.56	39.85	41.70	43.08
Ferrous metallurgy	1.39	1.78	2.02	2.14	2.31	2.76	2.95	2.80	2.92	3.01
Chemicals and petrochemicals	1.03	2.16	2.40	2.42	2.69	3.05	3.47	3.79	3.95	4.08
Fuels and power	4.29	6.50	8.04	8.70	9.14	9.52	10.15	10.94	11.54	11.92
Machine building and metalworking	2.04	3.11	5.96	6.32	6.81	7.14	7.86	9.41	9.86	10.18
Construction materials	1.18	1.01	1.67	1.72	1.93	1.91	1.88	1.86	1.88	1.94
Consumer goods	2.00 <sup>4</sup>	2.43	3.50	3.60	3.88	4.07	4.29	4.54	4.79	4.95
Other <sup>5</sup>	2.93	3.64	5.07	5.27	4.57	5.66	5.96	6.51	6.76	7.00
Construction industry	1.14 <sup>4</sup>	1.46	2.91	3.30	3.50	3.55	3.73	4.25	4.73	4.9
Transport and communications	3.83 <sup>4</sup>	5.40	7.61	8.30	9.40	10.10	11.02	12.17	12.93	13.3
Agriculture	5.44	9.47	14.27	16.36	17.97	19.85	21.58	23.29	24.35	25.0
Housing	9.40	9.59	13.36	14.00	14.53	15.05	15.50	16.26	16.45	16.9
Services	6.63 <sup>4</sup>	9.45	13.81	14.30	14.90	14.30	15.50	17.07	17.80	18.3

<sup>1</sup> Statistics are reported in investment prices of 1 January 1969.

<sup>2</sup> Preliminary.

<sup>3</sup> Rounded to the nearest tenth of a billion rubles.

<sup>4</sup> Estimated using coefficients of other years calculated as the ratios between investment in prices of 1 July 1955 and prices of 1 January 1969.

<sup>5</sup> Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

<sup>6</sup> Computed as a residual.



Table 40

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

Billion Rubles

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
Total capital stock <sup>3</sup> .....	397	601	860	928	1,003	1,083	1,167	1,256	1,347	1,438
Industry .....	101	168	255	277	300	326	355	385	416	449
Ferrous metallurgy .....	10	17	25	28	30	32	35	38	42	N.A.
Chemicals and petrochemicals .....	5	14	23	25	27	30	33	36	39	N.A.
Fuels and power .....	32	48	78	83	90	96	103	113	122	N.A.
Machine building and metalworking .....	18	32	51	56	62	68	75	83	91	N.A.
Construction materials .....	6	10	14	16	18	19	21	22	24	N.A.
Consumer goods .....	14	23	32	35	38	41	44	47	51	N.A.
Nonferrous metals .....	5	9	13	14	15	16	18	19	20	N.A.
Timber, woodworking, and paper .....	6	9	13	14	15	16	18	19	19	N.A.
Other .....	5	6	6	7	6	8	8	8	8	N.A.
Construction industry .....	7	12	22	24	27	30	33	35	39	44
Trade, public dining, material, technical supply .....	10	20	31	32	36	40	42	47	51	53
Agriculture <sup>3</sup> .....	53	77	106	116	127	139	154	167	180	194
Transport and communications .....	53	83	117	126	136	147	158	171	184	194
Housing .....	120	159	204	215	227	239	253	267	280	294
Services .....	53	82	125	138	150	162	172	184	197	210

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

<sup>2</sup> Preliminary.

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

Table 41

## USSR: Aggregate Factor Productivity

Average Annual Rate of Growth in Percent

	1961-65 <sup>1</sup>	1966-70 <sup>1</sup>	1971	1972	1973	1974	1975	1976	1977
Gross national product <sup>2</sup> .....	5.0	5.3	4.2	1.7	7.2	3.8	1.9	4.3	3.3
Factor productivity .....	0.5	1.1	-0.4	-2.4	3.0	-0.5	-1.8	0.6	-0.1
Manhours .....	3.4	3.2	1.8	0.1	5.8	1.8	0.7	3.1	2.0
Capital .....	-3.4	-2.0	-3.6	-5.7	-0.8	-3.8	-5.4	-3.0	-3.2
Land .....	4.4	5.6	4.1	0.4	5.3	3.3	1.4	3.4	4.1
Combined inputs <sup>3</sup> .....	4.4	4.1	4.6	4.2	4.1	4.3	3.8	3.6	3.5
Manhours .....	1.6	2.0	2.4	1.7	1.4	2.0	1.2	1.1	1.3
Capital .....	8.7	7.4	8.1	7.9	8.0	7.9	7.7	7.4	6.8
Land .....	0.6	-0.3	0.2	1.3	1.8	0.4	0.4	0.8	-0.7

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

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

<sup>3</sup> Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a 20 percent charge on gross fixed capital, including livestock), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Table 42

## USSR: Industrial Factor Productivity

	Average Annual Rate of Growth in Percent								
	1961-65 <sup>1</sup>	1966-70 <sup>1</sup>	1971	1972	1973	1974	1975	1976	1977
Industrial production .....	6.6	6.3	6.8	4.8	6.3	6.3	5.8	3.7	4.1
Factor productivity .....	-0.2	0.5	1.4	0.3	1.9	1.1	0.7	-1.2	-0.5
Manhours .....	3.6	3.1	4.7	3.7	5.7	4.3	4.0	1.4	1.8
Capital .....	4.2	-2.3	-2.1	-3.3	-2.0	-2.3	-2.5	-4.1	-3.6
Combined inputs <sup>2</sup> .....	6.8	5.7	5.3	4.5	4.3	5.1	5.0	5.1	4.6
Manhours .....	2.9	3.1	2.0	1.1	0.6	1.9	1.8	2.2	1.7
Capital .....	11.2	8.7	9.1	8.4	8.5	8.8	8.6	8.2	8.0

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

<sup>2</sup> Inputs of manhours and capital are combined using weights of 52.4 percent and 47.6 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (depreciation and a 20 percent charge on gross fixed capital) in 1970, the base year for all indexes underlying the growth rate calculations.

Table 43

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

	Average Annual Rate of Growth in Percent								
	1961-65 <sup>1</sup>	1966-70 <sup>1</sup>	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
Industrial materials .....	6.7	5.8	5.6	4.7	5.5	5.4	5.7	3.6	2.8
Electric power .....	11.5	7.9	8.1	7.1	6.8	6.7	6.6	6.9	3.5
Fuels .....	6.1	5.0	4.8	4.9	5.0	4.9	5.7	3.4	4.0
Ferrous metals .....	6.9	5.0	3.8	3.0	3.8	4.0	4.2	2.7	1.3
Nonferrous metals .....	7.8	8.1	6.6	5.2	6.0	7.0	5.2	2.3	2.0
Wood, pulp, and paper products .....	2.6	2.7	2.7	1.9	2.6	1.8	3.5	0.2	1.4
Construction materials .....	5.1	5.6	6.0	4.9	5.7	4.5	4.5	3.2	1.0
Chemicals .....	11.5	8.6	8.0	6.5	8.8	9.8	9.8	5.3	5.4
Total machinery .....	7.8	6.9	9.6	6.3	9.9	7.9	7.2	5.9	5.9
Of which:									
Civilian machinery .....	8.5	7.3	10.1	7.9	10.0	9.0	8.7	6.5	6.5
Nondurable consumer goods .....	4.4	6.5	4.8	2.4	1.5	5.4	3.1	-0.6	3.4
Soft goods .....	3.0	7.1	5.0	0.9	3.0	2.3	1.8	3.9	1.9
Processed foods .....	5.8	5.9	4.6	3.7	0.1	8.3	4.2	-4.5	4.8
Total industrial production .....	6.6	6.3	6.8	4.8	6.3	6.3	5.8	3.7	4.1

<sup>1</sup> Based on CIA estimates rather than Soviet official series. The latter are believed to lead to an upward bias in rates of growth because of double-counting and disguised inflation. The branch indexes shown above are formed by combining a sample of products in which intrabrand purchases have been excluded. The indexes for industrial materials, consumer nondurables, and total industrial production are formed by combining the component branch indexes using 1970 value-added weights.

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

<sup>3</sup> Preliminary.

Table 44

## USSR: Hard Currency Balance of Payments

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>1</sup>
Trade Balance	-250	-186	-514	-303	-1,356	-1,753	-996	-6,335	-5,516	-2,431
Exports, f.o.b.	768	1,374	2,197	2,652	2,815	4,775	7,436	7,794	9,712	11,271
Imports, f.o.b.	1,018	1,560	2,711	2,955	4,171	6,528	8,432	14,129	15,228	13,702 <sup>2</sup>
Gold sales	200	550	0	77	373	1,030	800	1,000	1,400	1,600
Net interest	-2	-17	-79	-103	-122	-177	-237	-456	-821	-1,100
Other invisibles and hard currency trade not included elsewhere <sup>3</sup>	-66	-46	46	92	60	1,030	940	1,330	2,030	2,310
Current account balance	-118	301	-547	-237	-1,045	130	507	-4,461	-2,907	379
Net medium- and long-term credits <sup>4</sup>	88	41	405	308	567	1,033	820	3,020	2,188	1,200
Basic balance	-30	342	-142	71	-478	1,163	1,327	-1,441	-719	1,579
Net short-term credits								1,980	1,812	200
Errors and omissions	30	-342	142	-71	478	-1,163	-1,327	-539	-1,093	-1,779

<sup>1</sup> Estimated.<sup>2</sup> Preliminary import data may not include purchases of western pipe and equipment for the Orenburg pipeline; this was the case in 1976.<sup>3</sup> Including estimated receipts from arms sales, unofficial transfers, and net receipts from tourism and transportation.<sup>4</sup> Excluding medium-term borrowing by the International Investment Bank and the International Bank for Economic Cooperation, which borrows on behalf of CEMA countries. The extent to which the USSR has borrowed (if at all) from these CEMA banks is unknown.<sup>5</sup> Including intra-CEMA hard currency trade and other hard currency payments.

Table 45

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

Million US \$

	Estimated Drawings	Scheduled Repayments	Interest	Amount Available to Offset Trade Deficit	Outstanding at End of Year
1965	190	149	17	24	380
1966	275	150	20	105	505
1967	305	152	29	124	658
1968	510	217	38	255	951
1969	630	265	57	308	1,316
1970	715	310	79	326	1,721
1971	682	374	103	205	2,029
1972	1,030	451	122	457	2,608
1973	1,690	657	157	876	3,641
1974	1,710	890	220	600	4,461
1975	4,300	1,280	276	2,744	7,481
1976	3,950	1,762	491	1,697	9,669
1977	3,200	2,000	700	500	10,869

<sup>1</sup> Estimates of drawings are based on data derived from contracts indicating delivery and credit terms and on Soviet imports of machinery and equipment. A large number of contracts since 1965 have involved 85 percent credit and 6 percent interest. Repayment periods for the earlier credits were usually three to five years following downpayment. Typical terms since 1965 have been eight years following delivery of equipment.

Table 46

## USSR: Gold Production and Reserves

Million Troy Ounces

	Production	Reserves		Production	Reserves
1965	4.95	29.03	1972	7.17	55.59
1966	5.30	33.31	1973	7.72	52.98
1967	5.53	37.81	1974	7.97	54.78
1968	5.85	42.57	1975	8.20	57.10
1969	6.14	47.52	1976	8.39	52.79
1970	6.40	52.66	1977	8.68	49.38
1971	6.66	56.14			

Table 47

## USSR: State Budget

Billion Rubles

	1965	1970	1971	1972	1973	1974	1975	1976	1977		1978 Plan
									Actual	Plan	
Revenues	102.32	156.70	165.96	175.11	187.78	201.32	218.77	232.2	242.2	238.9	246.4
Social sector	93.89	142.86	151.25	159.30	170.87	183.03	199.09	211.3	220.3	216.7	223.4
Turnover tax	38.66	49.38	54.46	55.57	59.14	63.47	66.61	70.7	73.4	73.3	76.6
Payments from profits	30.87	54.16	55.56	60.03	60.03	64.43	69.71	70.6	77.0	78.4	78.6
Taxes on enterprises and organizations	1.54	1.23	1.40	1.35	1.51	1.47	1.46	1.5	1.6	1.5	
Social insurance receipts	5.56	8.20	8.71	9.14	9.75	10.41	11.06	12.2	12.3	13.0	68.2
Residual	17.26	29.89	31.12	33.21	40.44	43.25	50.25	56.3	56.0	50.5	
Private sector	8.43	13.84	14.70	15.81	16.91	18.29	19.68	20.9	21.9	22.2	22.9
State taxes on the population	7.70	12.74	13.72	14.79	15.83	17.12	18.36	19.6	20.5	20.9	21.6
State loans	0.18	0.47	0.33	0.34	0.38	0.44	0.56	0.6	0.6	0.5	1.3
Local taxes and lottery revenue	0.55	0.63	0.65	0.68	0.70	0.73	0.76	0.7	0.8	0.8	
Expenditures	101.62	154.60	164.15	173.22	183.98	197.38	214.52	226.7	241.8	238.7	246.1
Financing the national economy	44.92	74.55	80.44	84.93	91.33	99.68	110.70	118.5	125.0	123.4	125.7
Industry and construction	20.99	30.53	32.53	34.05	36.45	40.59	47.01	N.A.	N.A.	49.1	53.6
Agriculture and procurement	6.77	12.37	12.91	13.38	15.45	17.45	19.08	N.A.	N.A.	19.4	20.3
Transport and communication	2.83	3.11	3.11	3.49	3.59	4.14	4.96	N.A.	N.A.	5.3	6.3
Trade	2.27	6.26	6.39	6.55	6.80	3.71	4.43	N.A.	N.A.	4.4	2.9
Municipal economy and housing	4.23	6.46	7.00	7.33	7.42	8.18	8.80	N.A.	N.A.	9.2	10.2
Other	7.83	15.82	18.50	20.13	21.62	25.61	26.42	N.A.	N.A.	36.0	32.4
Social-Cultural measures	38.16	55.94	59.44	63.49	67.34	71.30	77.04	80.7	85.1	83.9	87.6
Education, science, and culture	17.51	24.77	26.30	27.95	29.81	31.57	32.79	33.8	N.A.	34.8	36.1
Health and physical culture	6.67	9.28	9.62	10.03	10.50	10.97	11.47	11.8	N.A.	12.0	12.7
Social welfare	13.98	21.89	23.52	25.51	27.03	28.76	32.78	35.1	N.A.	37.1	38.8
Administration	1.28	1.66	1.78	1.80	1.85	1.92	2.01	2.1	2.2	2.0	2.1
Defense	12.78	17.85	17.85	17.90	17.85	17.65	17.43	17.4	17.2	17.2	17.2
Loan service	0.10	0.10	0.10	0.08	0.10	0.10	0.10	1.3	1.3	1.3	1.3
Residual	4.38	4.50	4.54	5.02	5.51	5.73	6.24	6.7	11.0	10.9	12.2
Budget surplus	0.70	2.10	1.81	1.89	3.80	3.94	4.25	5.5	0.4	0.2	0.2

Table 48

## USSR: Economic Plans

	Production	Average Annual Rate of Growth <sup>1</sup> (Percent)						
		Unit of Measure	1977 Actual	1978 Plan	1966-70 Actual	1971-75 Actual	1971-75 Plan	1978 Plan
<b>Fuels and power</b>								
Electric power .....	Billion kilowatt-hours .....	1,150	1,207	7.9	7.0	7.6	5.0	5.9
Total coal <sup>2</sup> .....	Million metric tons .....	722	746	1.6	2.4	2.3	3.3	2.8
Crude oil <sup>3</sup> .....	Million metric tons .....	546	575	7.8	6.8	7.4	5.3	5.4
Natural gas .....	Trillion cubic feet .....	12.2	13.1	9.2	7.9	10.1	6.9	8.5
<b>Metals</b>								
Crude steel .....	Million metric tons .....	147	153	4.9	4.0	4.1	4.1	3.6
Pig iron .....	Million metric tons .....	107	N.A.	5.4	3.7	4.1	N.A.	3.4
<b>Chemicals</b>								
Mineral fertilizer <sup>4</sup> (Soviet statistical reporting units) .....	Million metric tons .....	96.7	101.5	12.1	10.2	10.2	5.0	9.7
Plastics and synthetic resins <sup>5</sup> .....	Thousand metric tons .....	3,309	3,600	15.8	11.2	10.8 <sup>6</sup>	8.8	15.1
<b>Manufacturing and construction</b>								
Passenger automobiles .....	Thousand units .....	1,280	N.A.	11.3	28.4	29.6	N.A.	
Trucks and buses .....	Thousand units .....	808	835	6.6	5.9	8.0	3.4	3.2
Tractors .....	Thousand units .....	569	577	5.3	3.7	4.6	1.4	1.4
Television receivers .....	Million units .....	7.1	N.A.	12.8	0.8	0.2	N.A.	N.A.
Rubber tires .....	Million units .....	57.4	60.1	5.5	8.3	8.2	4.7	6.6
Cement .....	Million metric tons .....	127	N.A.	5.6	5.1	5.1	N.A.	3.4

<sup>1</sup> The base year is the year prior to the stated period.<sup>2</sup> Raw gross output.<sup>3</sup> Including gas condensate.<sup>4</sup> Including phosphate feeds and some materials used for technical purposes.<sup>5</sup> Including resins used for the production of man-made fibers.<sup>6</sup> Revised plan. Original plan called for average annual increases of 16.1 percent.

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## FOREIGN TRADE

TABLE	PAGE
49 Trade with the World, by Commodity .....	51-52
50-52 Trade of the Non-Communist Countries' .....	53-55
53 Direction of Foreign Trade of the Big Seven .....	56
54 Foreign Trade of the Big Seven, by Month .....	57-58
55 Exports of the Big Seven, by Commodity .....	59
56 Imports of the Big Seven, By Commodity .....	60
57 Trade Balance of the Big Seven, by Commodity .....	61
58 Oil Import Bill .....	62
59-61 Soviet Trade .....	62-63
62-64 Chinese Trade .....	64-65
65-67 East European Trade .....	66-68

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Table 49

Selected Countries: Trade with the World, by Commodity

Million US \$

	1970	1971	1972	1973	1974	1975	1976
<b>Exports</b>							
Total commodities	215,335	235,341	285,581	389,364	520,949	555,629	613,054
Agricultural commodities	23,484	26,258	32,317	49,287	59,519	64,195	67,376
Wheat	2,170	2,240	2,996	6,472	8,014	8,875	7,354
Rice	537	457	523	789	1,177	1,110	866
Other cereals	3,847	4,278	5,337	9,716	11,975	12,559	14,172
Oil seeds and nuts	1,482	1,718	2,041	3,509	4,487	3,644	4,093
Meat, fish, and dairy products	6,610	7,727	9,449	12,999	14,055	16,600	17,920
Fruits and vegetables	2,997	3,243	4,056	5,223	5,825	6,847	7,631
Sugar and honey	514	619	910	1,204	1,607	2,120	1,897
Tea, coffee, and cocoa	709	723	875	1,219	1,619	1,688	2,149
Other beverages	1,746	2,094	2,649	3,453	3,530	3,966	4,321
Tobacco	1,176	1,122	1,527	1,821	2,174	2,408	2,649
Other food preparations	1,695	2,036	1,956	2,880	5,056	4,376	4,322
Raw materials	14,031	13,753	16,181	23,675	30,590	27,204	30,927
Wood, lumber, and cork	4,753	4,713	5,614	8,310	10,871	9,411	10,665
Cotton	435	644	577	1,035	1,517	1,121	1,259
Textile fibres	1,515	1,578	2,078	3,206	3,571	2,961	3,439
Ores and metal scrap	3,701	3,004	3,242	5,069	7,170	6,113	6,664
Other materials	3,627	3,814	4,670	6,054	7,460	7,598	8,900
Energy	7,302	8,426	9,773	13,430	25,152	27,451	29,901
Coal and coke	2,075	2,038	2,227	2,674	5,105	6,193	5,728
Crude petroleum	797	1,089	1,491	2,123	3,825	3,843	3,895
Refined petroleum	3,595	4,303	4,702	7,004	13,659	13,531	14,958
Gas and electricity	824	991	1,316	1,589	2,563	3,884	5,317
Chemicals	18,918	19,710	24,931	34,697	55,032	51,556	58,606
Semifinished goods	49,197	52,068	61,455	85,091	120,561	116,736	123,016
Wood manufactures	1,078	1,200	1,550	2,193	2,427	2,450	2,781
Paper	5,032	5,395	6,287	8,183	12,654	11,474	11,278
Textile fabric and yarn	9,550	10,678	12,787	17,112	20,676	19,567	21,936
Iron and steel	13,681	14,467	16,241	23,485	39,802	38,380	36,190
Nonferrous metals	6,969	5,844	6,745	9,898	14,361	10,824	12,317
Metal manufactures <sup>1</sup>	5,711	6,235	7,366	9,712	13,456	15,470	16,869
Diamonds	1,554	1,871	2,538	4,035	3,904	4,016	5,465
Other semifinished products	5,622	6,378	7,940	10,472	13,282	14,556	16,182
Machinery	42,843	46,035	56,179	74,319	97,266	115,132	125,830
Agricultural machinery	2,153	2,149	2,723	3,740	5,241	7,097	7,217
Industrial machinery	23,250	25,123	30,419	39,692	52,122	63,710	66,534
Office machines and computers	4,135	4,454	5,249	6,801	8,163	8,488	9,620
Electrical machinery and apparatus	12,474	13,470	16,853	22,892	29,844	33,587	40,209
Transportation equipment	33,286	40,593	48,786	62,958	76,436	91,282	105,664
Motor vehicles	13,917	17,601	20,378	25,782	30,228	37,366	45,352
Motor vehicle parts	9,003	10,409	12,549	16,023	19,358	22,814	26,757
Aircraft	5,091	6,008	6,175	8,008	10,252	11,639	12,290
Other transportation equipment	5,274	6,575	9,683	13,144	16,599	19,463	21,265
Miscellaneous manufactured goods	22,643	24,671	31,733	40,728	49,209	53,381	62,915
Clothing	4,537	5,189	6,481	7,907	9,185	10,426	11,940
Footwear	1,456	1,681	2,036	2,244	2,672	3,093	3,337
Scientific instruments	5,337	5,182	7,211	9,509	12,095	13,278	15,315
Televisions, radios, and phonographs	3,497	3,968	5,117	6,619	7,828	8,031	10,492
Other manufactured goods	7,805	8,637	10,871	14,428	17,403	18,528	21,788
Other	3,595	3,789	4,160	5,032	7,117	8,522	8,686



Table 49 (Continued)

Selected Countries: <sup>1</sup> Trade with the World, by Commodity		Million US \$					
	1970	1971	1972	1973	1974	1975	1976
	<b>Imports</b>						
Total commodities .....	219,284	236,680	291,497	400,120	563,099	567,643	648,736
Agricultural commodities .....	35,300	37,748	45,714	63,770	75,890	80,793	86,149
Wheat .....	1,302	1,295	1,437	2,285	3,337	3,433	3,075
Rice .....	179	187	216	419	590	484	519
Other cereals .....	4,843	5,204	5,599	9,419	11,658	11,615	12,919
Oil seeds and nuts .....	2,012	2,262	2,508	3,885	5,508	5,093	4,902
Meat, fish, and dairy products .....	9,337	10,487	14,217	19,367	18,476	20,689	23,610
Fruits and vegetables .....	5,960	6,295	7,738	9,972	10,849	12,217	13,592
Sugar and honey .....	2,030	2,196	2,701	3,162	6,602	7,964	4,839
Tea, coffee, and cocoa .....	4,682	4,466	4,920	6,492	7,531	7,890	11,359
Other beverages .....	1,858	1,979	2,554	3,544	3,520	3,900	4,042
Tobacco .....	1,242	1,297	1,657	2,037	2,301	2,837	3,010
Other food preparations .....	1,853	2,079	2,167	3,187	5,517	4,672	4,281
Raw materials .....	24,339	24,189	28,004	41,638	52,054	45,268	53,130
Wood, lumber, and cork .....	6,939	6,802	8,224	13,050	15,772	12,637	15,980
Cotton .....	1,402	1,454	1,717	2,216	2,866	2,428	2,937
Textile fibres .....	2,658	2,339	3,368	5,421	4,650	3,883	5,124
Ores and metal scrap .....	8,395	7,591	7,697	11,435	16,427	14,576	15,720
Other materials .....	5,944	6,003	6,998	9,516	12,339	11,743	13,370
Energy .....	22,787	28,238	32,866	47,754	124,852	126,970	146,218
Coal and coke .....	2,831	2,995	3,176	3,826	7,396	9,253	8,699
Crude petroleum .....	13,767	18,171	21,637	31,072	89,665	90,048	105,125
Refined petroleum .....	5,256	5,980	6,618	11,014	23,936	21,725	25,162
Gas and electricity .....	807	968	1,301	1,643	3,321	5,431	7,233
Chemicals .....	14,464	15,111	19,109	26,334	40,132	36,719	43,614
Semifinished goods .....	45,742	45,851	57,141	78,877	102,408	93,052	105,916
Wood manufactures .....	1,436	1,598	2,239	3,478	3,547	3,269	4,034
Paper .....	3,960	4,234	5,176	6,802	10,022	8,921	10,435
Textile fabric and yarn .....	8,069	9,163	11,396	15,626	17,809	16,923	19,566
Iron and steel .....	10,698	10,270	12,472	16,495	24,329	22,357	23,139
Nonferrous metals .....	10,357	8,301	9,682	14,144	20,490	14,339	17,161
Metal manufactures <sup>1</sup> .....	4,169	4,464	5,582	7,500	9,794	10,200	11,121
Diamonds .....	2,190	2,546	3,454	5,200	5,095	5,303	6,871
Other semifinished products .....	4,864	5,276	7,141	9,611	11,321	11,739	13,589
Machinery .....	29,402	31,246	38,574	51,904	64,197	69,431	75,593
Agricultural machinery .....	1,318	1,347	1,848	2,590	3,460	4,205	4,434
Industrial machinery .....	14,716	15,736	18,962	24,606	30,058	32,982	33,823
Office machines and computers .....	3,724	4,017	4,769	6,136	7,414	7,909	8,876
Electrical machinery and apparatus .....	9,125	9,645	12,416	17,755	22,178	23,342	27,408
Transportation equipment .....	22,686	27,788	35,173	44,400	49,035	55,291	66,975
Motor vehicles .....	10,244	12,928	16,412	19,887	20,908	24,349	30,929
Motor vehicle parts .....	7,117	8,378	10,686	13,918	15,443	17,784	22,329
Aircraft .....	3,097	3,431	3,877	4,958	5,881	6,194	5,682
Other transportation equipment .....	2,228	3,052	4,199	5,637	6,802	6,964	8,036
Miscellaneous manufactured goods .....	20,513	22,658	30,971	41,057	49,069	52,704	63,610
Clothing .....	4,851	5,624	7,810	10,381	12,419	14,080	17,379
Footwear .....	1,470	1,759	2,253	2,766	3,364	3,869	4,680
Scientific instruments .....	4,020	4,266	5,516	7,435	9,064	10,071	11,630
Televisions, radios, and phonographs .....	2,972	3,361	4,782	6,262	7,104	7,099	9,203
Other manufactured goods .....	7,200	7,648	10,610	14,213	17,117	17,586	20,700
Other .....	3,043	3,848	3,942	4,350	5,460	7,412	7,528

<sup>1</sup> Data are from the United Nations Commodity Statistics and include the United States, Canada, Japan, West Germany, France, United Kingdom, Netherlands, Belgium/Luxembourg, Italy, Denmark, Ireland, Sweden, Austria, Norway, Spain, and Hong Kong.

<sup>2</sup> Not elsewhere specified.

Table 50

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

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>83,796</b>	<b>126,331</b>	<b>221,676</b>	<b>248,482</b>	<b>295,624</b>	<b>404,220</b>	<b>537,901</b>	<b>573,258</b>	<b>638,332</b>	<b>722,258</b>
United States <sup>2</sup>	19,651	26,751	42,659	43,549	49,199	70,823	97,908	107,130	114,802	120,101
Australia	2,050	3,005	4,771	5,212	6,462	9,559	11,025	11,943	13,155	13,336
Canada	5,834	8,471	16,747	18,370	21,165	26,435	34,511	33,990	40,252	43,199
Japan	4,055	8,452	19,318	24,087	29,095	37,081	55,554	55,817	67,305	81,126
Spain	725	935	2,388	2,962	3,817	5,199	7,091	7,691	8,730	10,223
Sweden	2,565	3,971	6,795	7,478	8,769	12,201	15,939	17,385	18,440	18,766
Switzerland	1,859	2,941	5,063	5,738	6,842	9,525	11,934	12,953	14,835	17,614
European Community	<b>42,286</b>	<b>64,830</b>	<b>112,764</b>	<b>129,062</b>	<b>155,152</b>	<b>212,027</b>	<b>276,380</b>	<b>298,012</b>	<b>328,520</b>	<b>381,938</b>
Belgium-Luxembourg	3,792	6,394	11,600	12,726	16,152	22,484	28,328	28,802	32,890	37,507
Denmark	1,494	2,320	3,356	3,688	4,432	6,248	7,719	8,712	9,115	10,063
France	6,867	10,176	18,098	20,811	26,451	<del>36,659</del>	46,255	53,118	57,162	64,997
Ireland	426	619	1,120	1,313	1,611	2,132	2,654	3,192	3,312	4,395
Italy	3,654	7,200	13,206	15,116	18,607	22,224	30,469	34,815	36,960	45,051
Netherlands	4,028	6,398	11,774	13,963	16,791	24,055	32,821	35,097	40,214	43,706
United Kingdom	10,609	13,810	19,382	22,383	24,377	30,659	38,881	44,109	46,704	58,165
West Germany	11,416	17,913	34,228	39,062	46,731	67,566	89,253	90,167	102,163	118,054
<b>Other Countries</b>										
Algeria	394	637	1,009	857	1,306	1,896	4,599	4,430	5,163	5,233
Argentina	1,079	1,493	1,773	1,740	1,941	3,266	3,931	2,961	3,916	5,800
Brazil	1,268	1,596	2,739	2,904	3,991	6,199	7,951	8,670	10,128	12,139
Chile	488	637	1,249	962	855	1,231	2,481	1,661	2,083	2,190
Colombia	465	539	736	690	866	1,191	1,417	1,465	1,882	N.A.
Egypt	568	605	762	789	825	1,125	1,516	1,402	1,406	1,708
Hong Kong	689	1,143	2,514	2,875	3,448	5,070	5,959	6,019	8,526	N.A.
India	1,332	1,687	2,026	2,034	2,452	2,917	3,926	4,299	5,013	5,635
Indonesia	841	762	1,152	1,247	1,534	3,061	7,449	7,103	8,547	10,853
Iran	844	1,305	2,624	3,825	4,040	6,205	21,575	20,211	23,500	24,250
Iraq	467	710	847	1,139	1,108	1,955	6,600	8,297	9,272	9,664
Israel	217	430	779	958	1,147	1,459	1,906	1,941	2,415	N.A.
Kuwait	962	1,284	1,693	2,272	2,557	3,321	9,853	8,644	9,842	9,827
Libya	11	1,006	2,833	2,848	2,425	3,454	7,130	6,098	8,442	10,113
Malaysia	1,186	1,236	1,686	1,644	1,722	3,046	4,235	3,831	5,295	6,084
Mexico	765	1,120	1,403	1,507	1,699	2,261	2,988	2,904	3,365	4,166
Nigeria	475	752	1,240	1,816	2,180	3,466	9,218	7,991	10,566	11,728
Pakistan	394	528	724	666	679	958	1,113	1,049	1,163	1,171
Peru	435	667	1,048	893	944	1,049	1,520	1,295	1,243	N.A.
Philippines	623	697	1,013	1,096	1,096	1,824	2,713	2,263	2,513	3,093
Saudi Arabia	891	1,396	2,358	3,447	4,516	7,693	30,991	27,737	36,124	40,894
Singapore	1,136	981	1,554	1,763	2,191	3,667	5,810	5,376	6,585	8,241
South Africa <sup>3</sup>	1,995	2,585	3,355	3,509	4,197	6,114	8,760	8,959	7,976	9,987
South Korea	33	175	835	1,068	1,624	3,225	4,460	5,081	7,715	10,047
Taiwan	164	450	1,428	1,998	2,914	4,375	5,518	5,302	8,156	9,349
Thailand	411	622	710	831	1,081	1,564	2,444	2,208	2,980	3,491
Venezuela	2,305	2,428	2,599	3,086	3,126	4,891	10,834	8,800	9,299	9,487
Zaire	480	306	796	687	692	1,004	1,295	827	904	988
Zambia	577	533	1,001	679	758	1,147	1,407	810	1,040	N.A.

<sup>1</sup> Exports are f.o.b.<sup>2</sup> Excluding Department of Defense shipments.<sup>3</sup> Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 51

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

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>87,224</b>	<b>133,979</b>	<b>231,139</b>	<b>257,357</b>	<b>306,680</b>	<b>421,725</b>	<b>599,816</b>	<b>601,541</b>	<b>693,550</b>	<b>783,061</b>
United States	16,367	23,185	42,429	48,342	58,862	73,575	107,996	103,389	129,565	156,695
Australia	2,662	3,763	5,055	5,224	5,136	7,685	12,397	11,145	12,463	13,643
Canada	6,163	8,687	14,255	16,538	20,020	24,743	34,418	36,184	40,329	41,964
Japan	4,491	8,169	18,881	19,722	23,868	38,449	62,108	57,853	64,895	71,328
Spain	722	3,040	4,747	5,006	6,829	9,671	15,427	16,264	17,474	17,835
Sweden	2,901	4,377	7,007	7,082	8,110	10,628	16,457	17,861	19,333	19,492
Switzerland	2,206	3,642	6,374	7,191	8,468	11,621	14,445	13,303	14,775	17,940
European Community	<b>45,161</b>	<b>69,339</b>	<b>116,613</b>	<b>130,477</b>	<b>154,725</b>	<b>216,418</b>	<b>295,300</b>	<b>301,280</b>	<b>345,565</b>	<b>389,507</b>
Belgium-Luxembourg	3,970	6,502	11,412	12,900	15,490	22,074	29,875	30,779	35,546	40,250
Denmark	1,805	2,823	4,407	4,615	5,088	7,802	9,927	10,368	12,427	13,257
France	6,282	10,384	19,132	21,336	27,001	37,727	52,914	53,964	64,391	70,497
Ireland	634	1,041	1,624	1,836	2,102	2,791	3,812	3,778	4,185	5,377
Italy	4,733	7,378	14,969	15,980	19,318	27,796	41,091	38,365	43,422	47,560
Netherlands	4,531	7,471	13,426	15,408	17,521	24,493	33,691	35,604	40,559	46,569
United Kingdom	13,034	16,128	21,696	23,924	27,831	38,842	54,410	53,498	56,614	64,551
West Germany	10,172	17,612	29,947	34,478	40,374	54,893	69,580	74,924	88,421	101,446
<b>Other Countries</b>										
Algeria	1,264	672	1,257	1,227	1,493	2,242	4,058	5,855	5,311	6,952
Argentina	1,249	1,199	1,694	1,868	1,905	2,230	3,635	3,947	3,033	4,400
Brazil	1,462	1,096	2,849	3,701	4,783	6,999	14,168	13,598	13,704	13,229
Chile	526	604	941	980	933	1,098	1,911	1,535	1,684	2,260
Colombia	519	454	843	929	859	1,062	1,597	1,495	1,710	N.A.
Egypt	668	879	787	904	877	908	2,349	3,751	3,807	4,808
Hong Kong	1,026	1,569	2,905	3,391	3,869	5,661	6,768	6,767	8,882	N.A.
India	2,303	2,838	2,405	2,420	2,242	3,210	5,046	6,135	5,094	5,843
Indonesia	574	695	1,002	1,103	1,562	2,729	3,842	4,770	5,673	6,230
Iran	560	859	1,662	1,873	2,409	3,393	5,433	10,343	12,894	14,070
Iraq	389	455	508	702	705	894	2,371	4,215	3,470	4,052
Israel	551	838	2,086	2,388	2,477	4,240	5,453	5,997	5,715	N.A.
Kuwait	242	377	625	652	797	1,052	1,552	2,390	3,319	4,796
Libya	169	320	555	707	1,043	1,813	2,762	3,586	3,203	5,148
Malaysia	910	1,097	1,418	1,453	1,665	2,508	4,144	3,599	3,925	4,462
Mexico	1,187	1,560	2,461	2,407	2,719	3,814	6,057	6,581	6,036	5,489
Nigeria	604	770	1,059	1,515	1,505	1,865	2,776	6,041	8,199	10,050
Pakistan	654	1,047	1,151	917	666	978	1,732	2,151	2,128	2,447
Peru	377	719	606	739	791	1,019	1,531	2,601	1,978	N.A.
Philippines	714	893	1,199	1,323	1,413	1,798	3,469	3,742	3,938	4,265
Saudi Arabia	234	506	711	818	1,136	1,977	4,504	6,886	8,880	17,196
Singapore	1,332	1,244	2,461	2,843	3,398	5,147	8,380	8,133	9,070	10,422
South Africa <sup>2</sup>	1,629	2,563	3,843	4,364	3,948	5,163	7,856	8,293	7,285	6,315
South Korea	344	463	1,984	2,394	2,522	4,240	6,852	7,274	8,774	10,814
Taiwan	297	558	1,528	1,849	2,518	3,792	6,984	5,960	7,609	8,522
Thailand	447	742	1,299	1,288	1,484	2,049	3,143	3,280	3,572	4,579
Venezuela	1,289	1,518	1,965	2,279	2,411	2,810	4,191	6,031	7,058	9,269
Zaire	235	292	536	619	625	754	1,051	905	668	609
Zambia	495	341	559	652	677	663	985	1,138	798	N.A.

<sup>1</sup> Imports are c.i.f.<sup>2</sup> Including data for Botswana, Lesotho, Swaziland, and Namibia.

Table 52

## Trade Balance of Selected Non-Communist Countries

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	-3,428	-7,648	-9,463	-8,875	-11,056	-17,505	-61,915	-28,283	-55,218	-60,803
United States	3,284	3,566	230	-4,793	-9,663	-2,752	-10,088	3,741	-14,763	-36,594
Australia	-612	-758	-284	-12	1,326	1,874	-1,372	798	692	-307
Canada	-329	-216	2,492	1,832	1,145	1,692	93	-2,194	-77	1,235
Japan	-436	283	437	4,365	5,227	-1,368	-6,554	-2,036	2,410	9,798
Spain	3	-2,105	-2,359	-2,044	-3,012	-4,472	-8,336	-8,573	-8,744	-7,612
Sweden	-336	-406	-212	396	659	1,573	-518	-476	-893	-726
Switzerland	-347	-701	-1,311	-1,453	-1,626	-2,096	-2,511	-350	60	-326
European Community	-2,875	-4,509	-3,849	-1,415	427	-4,391	-18,920	-3,268	-17,045	-7,589
Belgium-Luxembourg	-178	-108	188	-174	662	410	-1,547	-1,977	-2,656	-2,743
Denmark	-311	-503	-1,051	-927	-656	-1,554	-2,208	-1,656	-3,312	-3,194
France	585	-208	-1,034	-525	-550	-1,068	-6,659	-846	-7,229	-5,500
Ireland	-208	-422	-504	-523	-491	-659	-1,158	-586	-873	-982
Italy	-1,079	-178	-1,763	-864	-711	-5,572	-10,622	-3,550	-6,462	-2,509
Netherlands	-503	-1,073	-1,652	-1,445	-730	-438	-870	-507	-345	-2,863
United Kingdom	-2,425	-2,318	-2,314	-1,541	-3,454	-8,183	-15,529	-9,389	-9,910	-6,386
West Germany	1,244	301	4,281	4,584	6,357	12,673	19,673	15,243	13,742	16,608
<b>Other Countries</b>										
Algeria	-870	-35	-248	-370	-187	-346	541	-1,425	-148	-1,719
Argentina	-170	294	79	-128	36	1,036	296	-986	883	1,400
Brazil	-194	500	-110	-797	-792	-800	-6,217	-4,928	-3,576	-1,090
Chile	-38	33	308	-18	-78	133	570	-126	399	-70
Colombia	-54	85	-107	-239	7	129	-180	-30	172	N.A.
Egypt	-100	-274	-25	-115	-52	217	-833	-2,349	-2,401	-3,100
Hong Kong	-337	-426	-391	-516	-421	-591	-809	-748	-356	N.A.
India	-971	-1,151	-379	-386	210	-293	-1,120	-1,836	-81	-188
Indonesia	267	67	150	144	-28	332	3,607	2,333	2,874	4,623
Iran	284	446	962	1,952	1,631	2,812	16,142	9,868	10,606	10,180
Iraq	78	255	339	437	403	1,061	4,229	4,082	5,802	5,612
Israel	-334	-408	-1,307	-1,430	-1,330	-2,781	-3,547	-4,056	-3,300	N.A.
Kuwait	720	907	1,068	1,620	1,760	2,269	8,301	6,254	6,523	5,031
Libya	-158	686	2,278	2,141	1,382	1,641	4,368	2,512	5,239	4,965
Malaysia	276	139	268	191	57	538	91	232	1,370	1,622
Mexico	-422	-440	-1,058	-900	-1,020	-1,553	-3,069	-3,677	-2,671	-1,323
Nigeria	-129	-18	181	301	675	1,601	6,442	1,950	2,367	1,678
Pakistan	-260	-519	-427	-251	13	-20	-619	-1,102	-965	-1,276
Peru	58	-52	442	154	153	30	-11	-1,306	-735	N.A.
Philippines	-91	-196	-186	-227	-317	26	-756	-1,479	-1,425	-1,172
Saudi Arabia	657	890	1,647	2,629	3,380	5,716	26,487	20,851	27,244	23,698
Singapore	-196	-263	-907	-1,080	-1,207	-1,480	-2,570	-2,757	-2,485	-2,181
South Africa <sup>1</sup>	366	22	-488	-855	249	951	904	666	691	3,672
South Korea	-311	-288	-1,149	-1,326	-898	-1,015	-2,392	-2,193	-1,059	-767
Taiwan	-133	-108	-100	149	396	583	-1,466	-658	547	827
Thailand	-36	-120	-589	-457	-403	-485	-699	-1,072	-592	-1,088
Venezuela	1,016	910	634	807	715	2,081	6,643	2,769	2,241	218
Zaire	245	14	260	68	67	250	244	-78	236	379
Zambia	82	192	442	27	81	484	422	-328	242	N.A.

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

Table 53

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

Million US \$

	Exports to (f.o.b.)					Imports from (c.i.f.)						
	World	Big Seven	Other OECD	OPEC <sup>a</sup>	Com-munist	Other	World	Big Seven	Other OECD	OPEC <sup>a</sup>	Com-munist	Other
United States												
1973	71,339	35,118	11,345	3,602	2,491	18,783	73,575	42,417	8,504	4,174	624	17,856
1974	98,524	45,865	18,402	6,725	3,113	24,419	108,012	53,514	11,425	16,776	1,090	25,207
1975	107,655	46,941	19,451	10,768	3,376	27,119	103,417	49,807	10,320	18,699	984	23,607
1976	115,006	51,299	20,759	12,568	3,639	26,741	129,566	60,387	11,582	27,168	1,161	29,268
1977	120,171	53,925	21,425	14,020	2,715	28,086	156,707	70,482	13,381	35,447	1,225	36,173
Japan												
1973	36,885	13,723	4,645	2,711	2,111	13,665	38,225	13,961	5,229	6,972	2,485	9,578
1974	55,513	18,696	8,021	5,439	4,245	19,112	62,064	18,738	7,113	19,964	3,617	12,632
1975	55,728	16,558	7,130	8,416	5,165	18,458	57,846	16,930	7,072	19,402	3,364	11,079
1976	67,319	22,610	9,491	9,275	4,942	21,001	64,891	17,581	8,637	21,884	2,913	13,875
1977	81,124	28,035	10,729	12,027	5,334	24,999	71,325	18,877	8,955	24,325	3,412	15,756
West Germany												
1973	67,531	23,871	28,528	2,259	5,273	7,600	54,844	19,576	21,144	3,898	3,139	7,087
1974	90,640	30,730	40,100	4,069	7,716	8,025	70,861	23,853	27,042	9,201	4,535	6,230
1975	91,701	28,332	40,095	6,783	8,807	7,684	76,277	27,088	29,527	8,236	4,869	6,557
1976	103,628	33,438	45,107	8,249	8,723	8,111	89,684	31,281	34,592	9,727	5,928	8,156
1977	121,364	39,005	51,704	10,777	10,666	9,211	104,460	36,391	39,676	10,119	7,963	10,310
France												
1973	35,859	15,880	11,427	1,730	1,704	5,118	37,298	17,513	10,708	3,633	1,343	4,101
1974	46,384	19,358	15,750	3,018	1,993	6,264	52,897	22,058	14,121	10,113	1,679	4,925
1975	52,876	20,006	16,465	4,898	3,131	8,376	53,987	23,039	14,872	9,434	1,989	4,653
1976	57,053	22,488	17,161	5,080	3,232	9,093	64,384	27,810	17,558	11,359	2,239	5,417
1977	65,005	25,898	19,374	5,963	2,991	10,779	70,489	30,279	19,120	11,814	2,461	6,813
United Kingdom												
1973	30,542	9,951	11,602	1,754	1,184	6,051	38,878	13,821	13,183	3,519	1,559	6,796
1974	38,561	11,733	17,691	2,553	1,266	5,317	54,124	18,198	19,463	8,702	1,798	5,964
1975	44,032	12,544	18,976	4,546	1,560	6,406	53,349	18,468	20,214	6,913	1,676	6,077
1976	46,118	14,028	19,499	5,130	1,390	6,070	55,563	19,654	20,269	7,291	2,082	6,267
1977	57,445	17,321	24,171	6,784	1,635	7,534	63,291	24,023	23,317	6,311	2,408	7,234
Italy												
1973	22,246	11,564	5,421	1,212	1,632	2,417	27,829	13,807	5,539	3,405	2,129	2,949
1974	30,226	13,892	8,945	2,232	1,842	3,315	40,894	17,967	7,680	9,380	2,049	3,818
1975	34,825	15,611	9,218	3,717	2,464	3,814	38,360	17,322	7,711	7,846	2,087	3,394
1976	36,955	17,407	9,752	4,233	2,184	3,379	43,418	19,350	9,280	8,121	2,649	4,018
1977	44,283	20,637	11,271	5,731	2,396	4,249	46,538	20,253	9,871	8,827	2,773	4,815
Canada												
1973	24,639	20,614	1,620	237	799	1,369	24,194	20,185	2,500	968	221	320
1974	34,509	27,128	2,100	530	809	3,942	36,734	28,326	1,927	2,830	358	3,293
1975	33,841	26,299	1,934	712	1,197	3,699	38,592	29,781	1,964	3,430	325	3,092
1976	40,176	32,014	2,205	813	1,254	3,890	43,046	33,547	2,064	3,485	378	3,572
1977	42,987	34,769	2,302	939	1,063	3,915	44,673	35,677	1,983	3,046	334	3,633

Data are from the International Monetary Fund, *Direction of Trade*.  
Including Gabon.

Table 54

Foreign Trade<sup>1</sup>, by Month

Million US \$

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
<b>Exports, f.o.b.</b>								
1973 Jan	19,885.4	4,955.0	2,499.3	4,402.2	2,487.4	2,042.7	1,569.9	1,928.9
Feb	21,189.4	5,070.0	2,958.2	4,735.0	2,619.6	2,181.0	1,632.6	1,993.0
Mar	21,061.9	5,311.0	2,703.3	4,878.1	2,764.1	2,137.7	1,236.8	2,031.1
Apr	22,044.9	5,494.0	2,790.2	5,061.3	2,791.8	2,344.0	1,478.6	2,094.9
May	22,796.6	5,561.0	2,892.3	5,268.1	2,976.8	2,262.7	1,781.7	2,053.9
Jun	23,962.6	5,728.0	2,933.6	5,537.5	3,212.4	2,473.0	1,969.9	2,108.2
Jul	25,247.3	5,865.3	3,058.8	6,245.8	3,413.8	2,442.9	2,059.6	2,161.2
Aug	25,002.7	6,042.0	2,908.8	6,339.5	3,288.2	2,427.5	2,022.6	1,974.1
Sep	26,127.5	6,419.8	3,155.3	6,472.0	3,365.9	2,525.1	2,061.5	2,128.0
Oct	26,510.2	6,585.4	3,176.7	6,745.7	3,238.0	2,413.4	2,084.2	2,266.7
Nov	27,207.0	6,878.8	3,602.9	6,449.3	3,359.3	2,459.3	2,072.1	2,385.4
Dec	25,812.1	6,948.9	3,412.9	5,498.2	3,131.2	2,377.0	2,165.7	2,278.3
1974 Jan	27,448.0	7,150.2	3,534.3	6,414.7	3,456.4	2,366.3	2,065.9	2,460.1
Feb	28,562.8	7,548.9	3,669.3	6,553.7	3,432.1	2,668.6	2,178.5	2,511.8
Mar	30,619.2	7,625.4	3,911.9	7,316.9	3,670.5	2,954.2	2,386.3	2,754.1
Apr	31,776.7	8,107.8	4,182.1	7,583.1	3,742.4	3,094.9	2,473.0	2,593.6
May	32,435.2	7,652.4	4,679.7	8,045.4	3,776.7	3,174.4	2,295.8	2,810.8
Jun	32,416.4	8,316.9	4,717.6	7,071.5	3,963.1	3,310.2	2,322.9	2,714.3
Jul	34,001.8	8,306.9	4,767.3	7,828.9	4,021.0	3,259.6	3,002.5	2,815.6
Aug	34,071.5	8,379.3	4,970.9	7,831.5	4,085.4	3,307.9	2,586.3	2,910.2
Sep	33,154.1	8,399.3	4,470.2	7,341.3	4,060.2	3,351.3	2,642.4	2,889.5
Oct	33,846.8	8,672.8	5,148.5	7,360.5	3,863.1	3,236.8	2,674.9	2,890.1
Nov	35,060.4	8,972.9	5,172.6	8,001.0	4,249.8	3,159.1	2,667.1	2,837.9
Dec	34,707.1	8,862.1	4,860.0	7,819.6	4,300.1	3,353.1	2,803.0	2,709.2
1975 Jan	35,819.3	9,373.4	4,988.9	7,722.0	4,400.4	3,564.8	2,907.5	2,862.2
Feb	35,329.1	8,754.6	4,787.9	7,959.3	4,673.0	3,545.0	2,891.7	2,717.6
Mar	34,295.5	8,685.2	4,655.9	7,262.4	4,603.2	3,727.8	2,799.9	2,561.0
Apr	34,750.6	8,647.6	4,739.1	8,055.2	4,557.1	3,268.5	2,866.9	2,616.2
May	33,116.9	8,221.5	4,450.2	7,193.0	4,389.3	3,740.6	2,551.7	2,570.5
Jun	35,261.3	8,715.5	4,371.5	8,367.5	4,689.4	3,398.7	3,008.1	2,710.7
Jul	34,247.8	8,871.0	4,417.0	7,426.8	4,642.4	3,421.4	2,857.5	2,611.8
Aug	33,411.2	8,979.9	4,395.6	6,989.3	4,315.9	3,139.9	3,066.2	2,524.4
Sep	33,614.8	9,104.2	4,290.0	7,124.8	4,140.2	3,298.6	2,905.1	2,751.9
Oct	34,399.6	9,225.7	4,552.6	7,262.1	4,118.9	3,554.6	2,969.7	2,716.1
Nov	34,930.9	9,408.9	4,497.5	7,509.8	4,373.7	3,356.6	3,040.1	2,744.4
Dec	35,124.6	9,249.9	4,780.3	7,250.5	4,345.1	3,558.0	3,056.7	2,884.2
1976 Jan	35,741.2	9,097.2	4,920.6	7,663.8	4,468.3	3,593.6	2,996.6	3,001.2
Feb	35,726.2	8,917.7	5,182.4	7,701.5	4,694.2	3,551.0	2,555.8	3,123.7
Mar	36,809.3	9,020.4	5,521.8	8,156.9	4,511.7	3,688.5	2,901.3	3,008.7
Apr	37,066.0	9,369.3	5,217.4	8,201.1	4,897.5	3,551.9	2,734.1	3,094.7
May	37,589.3	9,562.8	5,379.3	8,230.7	4,680.8	3,636.5	2,969.7	3,129.6
Jun	38,101.8	9,722.2	5,520.2	8,103.3	4,775.8	3,634.2	2,930.0	3,416.2
Jul	38,481.6	9,956.2	5,427.7	8,386.1	4,729.9	3,622.7	3,139.5	3,219.5
Aug	38,659.5	9,737.0	5,371.4	8,583.5	4,617.8	3,836.4	3,077.9	3,435.5
Sep	39,993.2	9,788.4	5,764.0	9,047.3	4,842.3	3,841.7	3,247.9	3,461.5
Oct	39,884.3	9,698.6	5,720.0	9,214.8	4,868.0	3,782.0	3,396.2	3,204.8
Nov	39,619.7	9,593.6	5,750.7	9,022.1	4,872.3	3,796.2	3,478.3	3,106.4
Dec	42,704.9	10,397.1	5,975.2	9,446.0	5,003.7	4,105.2	4,529.5	3,248.2
1977 Jan	41,394.2	9,664.4	6,441.4	9,159.1	5,090.2	4,264.5	4,433.5	3,341.2
Feb	41,417.2	9,896.5	6,344.0	9,163.4	5,129.5	4,184.4	3,279.8	3,419.6
Mar	43,490.1	10,164.1	6,667.3	9,613.0	5,325.4	4,299.7	3,637.0	3,783.7
Apr	43,133.7	9,953.2	6,742.8	9,487.1	5,113.9	4,554.1	3,683.8	3,598.8
May	42,546.0	10,488.9	6,201.9	9,312.0	5,174.3	4,488.7	3,588.8	3,291.4
Jun	43,892.7	10,090.3	6,461.8	9,938.2	5,325.2	4,791.5	3,922.1	3,363.6
Jul	43,937.0	10,384.6	6,651.4	9,703.6	5,334.5	4,705.9	3,569.9	3,587.2
Aug	44,126.0	9,674.0	6,523.3	9,847.1	5,514.5	4,960.7	4,030.1	3,576.1
Sep	45,220.2	11,036.5	6,438.9	10,045.4	5,742.8	5,048.6	3,610.8	3,297.2
Oct	44,244.3	9,374.8	6,579.7	10,521.9	5,770.1	4,879.1	3,507.3	3,611.4
Nov	44,425.7	9,475.0	7,117.8	10,041.1	5,706.5	4,853.9	4,189.4	3,042.0
Dec	48,831.5	11,007.0	7,040.8	11,289.8	5,907.8	5,153.6	4,555.1	3,877.2

Table 54 (Continued)

Big Seven: Foreign Trade<sup>1</sup>, by Month

Million US \$

	Big Seven	United States	Japan	West Germany	France	United Kingdom	Italy	Canada
<u>Imports, f.o.b.</u>								
1973 Jan	18,771.7	5,244.0	1,918.8	3,553.8	2,340.1	2,231.1	1,722.2	1,761.8
Feb	20,178.4	5,582.0	2,104.0	3,835.7	2,489.6	2,367.8	1,959.9	1,839.4
Mar	20,333.0	5,411.0	2,436.1	3,941.8	2,628.2	2,660.3	1,403.0	1,852.6
Apr	20,132.4	5,356.0	2,395.4	3,924.9	2,502.0	2,373.7	1,775.3	1,805.2
May	22,139.4	5,700.0	2,521.3	4,170.2	2,875.3	2,882.8	2,101.7	1,888.1
Jun	23,092.9	5,765.2	2,689.6	4,368.6	3,046.8	3,086.0	2,246.9	1,889.8
Jul	23,721.0	5,828.7	2,769.2	4,806.5	3,231.8	2,910.6	2,211.2	1,963.0
Aug	23,922.1	6,010.5	2,959.9	4,460.9	3,225.0	2,987.3	2,354.2	1,924.3
Sep	24,157.0	5,643.8	2,949.3	4,787.7	3,265.7	2,999.6	2,540.6	1,970.2
Oct	25,387.6	5,996.3	3,098.2	5,015.6	3,401.5	3,357.9	2,414.2	2,103.9
Nov	25,493.0	6,684.3	3,235.4	4,728.9	3,202.9	3,123.7	2,359.6	2,158.2
Dec	25,239.1	6,291.3	3,477.8	4,487.7	3,026.1	3,095.9	2,681.0	2,179.2
1974 Jan	26,543.5	6,498.0	3,617.5	4,877.3	3,540.2	3,167.0	2,591.2	2,252.3
Feb	28,943.7	7,317.7	4,365.5	4,360.4	3,697.1	3,662.8	3,108.4	2,431.9
Mar	31,281.4	7,741.9	4,307.2	5,443.2	3,948.8	4,081.6	3,143.6	2,615.2
Apr	31,971.0	8,025.3	4,432.5	5,412.3	4,112.6	4,105.0	3,498.8	2,384.7
May	32,684.2	8,264.5	4,639.9	5,765.7	4,164.3	4,321.1	2,871.9	2,657.0
Jun	33,130.0	8,577.0	4,658.7	5,623.4	4,274.0	4,357.0	2,912.2	2,727.7
Jul	35,027.4	8,921.6	4,644.4	5,818.0	4,507.6	4,396.3	3,966.9	2,772.5
Aug	34,339.8	9,267.1	4,439.8	5,881.2	4,394.6	4,175.9	3,294.5	2,886.7
Sep	33,330.3	8,696.4	4,380.9	5,571.3	4,361.3	4,293.9	3,150.3	2,876.3
Oct	33,557.7	8,773.2	4,457.5	5,602.2	4,350.3	4,216.3	3,311.8	2,846.4
Nov	34,165.4	8,973.3	4,509.4	5,874.7	4,297.3	4,448.8	3,115.6	2,946.3
Dec	34,075.7	9,256.8	4,473.2	5,782.4	4,338.8	4,223.9	3,049.4	2,951.1
1975 Jan	34,952.0	9,635.5	4,543.4	5,733.0	4,434.8	4,521.6	3,084.9	2,998.9
Feb	32,363.2	7,927.6	4,085.0	5,973.3	4,392.2	4,339.7	2,779.7	2,865.6
Mar	31,381.5	7,466.5	4,026.1	5,804.5	4,405.4	4,001.0	2,851.2	2,826.9
Apr	32,249.8	7,958.5	3,974.9	6,624.2	4,169.4	4,098.0	2,706.6	2,718.1
May	29,880.2	7,263.3	3,983.3	5,500.5	3,945.3	3,931.0	2,582.3	2,674.6
Jun	31,756.8	7,102.5	3,930.0	6,332.6	4,397.6	3,967.0	3,038.6	2,988.4
Jul	32,060.9	7,831.6	4,082.1	5,796.4	4,445.2	4,245.0	3,005.1	2,655.5
Aug	31,091.4	7,876.7	3,991.9	5,624.2	4,034.1	3,987.8	2,668.9	2,907.8
Sep	32,041.4	8,196.0	4,251.7	5,774.3	4,119.7	3,738.9	3,130.1	2,830.8
Oct	32,764.4	8,169.3	4,344.6	5,888.4	4,476.1	4,000.7	3,077.4	2,807.8
Nov	33,071.0	8,201.3	4,139.2	6,087.6	4,543.9	3,930.7	3,260.1	2,908.2
Dec	33,548.3	8,521.5	4,327.2	6,049.8	4,409.9	3,932.0	3,397.1	2,910.8
1976 Jan	34,516.1	9,000.9	4,408.1	6,255.6	4,673.9	3,982.9	3,160.7	3,034.0
Feb	35,091.0	9,032.5	4,393.8	6,471.8	4,838.2	4,065.8	3,072.5	3,216.3
Mar	35,079.2	9,469.2	4,236.9	6,602.3	4,720.9	3,741.1	3,221.0	3,087.8
Apr	36,169.1	9,643.3	4,326.8	6,805.0	4,828.8	4,111.8	3,183.8	3,269.6
May	35,754.5	9,182.4	4,314.2	6,723.2	4,894.8	4,313.5	3,336.5	2,989.8
Jun	36,949.1	10,153.4	4,490.3	6,667.9	4,945.8	4,228.4	3,121.1	3,342.2
Jul	38,160.7	10,717.2	4,588.5	6,937.2	4,998.0	4,523.0	3,209.2	3,187.6
Aug	38,921.1	10,447.2	5,013.2	7,324.2	5,199.2	4,340.9	3,391.2	3,205.1
Sep	39,406.1	10,651.0	5,087.9	7,113.2	5,517.2	4,466.4	3,382.7	3,187.7
Oct	39,166.3	10,555.1	4,870.9	7,367.3	5,538.8	4,303.5	3,519.2	3,011.5
Nov	40,681.0	10,622.9	5,219.5	7,294.0	5,630.7	4,540.7	4,178.5	3,194.7
Dec	40,297.2	11,020.4	5,053.7	8,014.9	5,276.4	4,464.0	3,248.0	3,219.8
1977 Jan	41,774.9	10,971.4	5,287.9	7,977.6	5,569.9	5,181.2	3,598.6	3,188.2
Feb	42,150.7	12,881.8	4,936.9	7,410.7	5,434.6	4,499.1	3,667.1	3,320.4
Mar	42,774.6	12,082.5	5,198.7	8,066.7	5,574.3	4,717.0	3,751.3	3,384.1
Apr	41,806.1	12,086.9	4,812.2	7,668.9	5,191.1	4,801.6	3,738.9	3,506.5
May	41,015.2	10,983.1	5,134.1	7,482.2	5,263.2	4,964.7	3,874.6	3,313.3
Jun	44,283.5	13,396.1	4,949.6	8,008.8	5,795.0	5,303.9	3,505.2	3,324.8
Jul	43,758.0	13,076.6	4,950.5	8,424.1	5,498.8	5,127.8	3,365.5	3,314.8
Aug	42,324.0	11,650.7	5,476.8	7,806.7	5,893.1	4,685.8	3,490.6	3,320.2
Sep	43,035.8	12,605.2	5,182.5	8,010.6	5,657.3	4,952.7	3,355.2	3,272.2
Oct	44,023.7	12,995.6	5,167.5	8,162.7	5,743.9	4,785.3	3,885.0	3,283.6
Nov	43,282.6	11,833.3	5,407.8	8,352.8	6,255.5	4,730.2	3,726.5	2,976.4
Dec	46,123.2	13,122.5	5,251.0	9,214.9	5,561.7	5,294.5	4,173.2	3,505.4

<sup>1</sup> Seasonally adjusted.

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Table 55

## Big Seven: Exports, by Commodity

Million US \$

	1970	1971	1972	1973	1974	1975	1976	1977
<b>Big Seven</b>	<b>163,218</b>	<b>162,754</b>	<b>213,386</b>	<b>289,309</b>	<b>390,045</b>	<b>415,790</b>	<b>461,064</b>	<b>525,724</b>
Foodstuffs	15,946	18,077	22,069	35,087	42,784	44,765	46,631	51,047
Raw material	9,800	9,653	11,227	16,440	21,280	18,942	22,512	24,644
Fuels	5,274	5,930	6,696	8,878	17,328	18,085	18,548	20,677
Manufactures	132,199	149,093	173,394	228,904	308,653	333,998	373,372	429,353
<b>United States</b>	<b>43,226</b>	<b>44,137</b>	<b>49,676</b>	<b>71,314</b>	<b>98,506</b>	<b>107,652</b>	<b>114,997</b>	<b>120,183</b>
Foodstuffs	6,919	7,179	8,847	16,775	20,741	21,105	22,098	22,710
Raw material	3,403	2,989	3,427	5,489	7,190	6,736	7,424	8,109
Fuels	1,695	1,592	1,674	1,672	3,445	4,481	4,228	4,199
Manufactures	31,209	32,377	35,728	47,378	67,131	75,330	81,247	85,146
<b>Canada</b>	<b>16,185</b>	<b>17,675</b>	<b>20,178</b>	<b>25,207</b>	<b>32,783</b>	<b>32,300</b>	<b>38,370</b>	<b>41,293</b>
Foodstuffs	1,975	2,346	2,602	3,572	4,384	4,399	4,669	4,811
Raw material	3,411	3,548	4,020	5,396	6,584	5,785	7,591	8,143
Fuels	978	1,262	1,734	2,466	5,179	5,334	5,300	5,171
Manufactures	9,820	10,519	11,822	13,774	16,636	16,782	20,811	23,168
<b>Japan</b>	<b>19,319</b>	<b>24,019</b>	<b>28,591</b>	<b>36,931</b>	<b>55,538</b>	<b>55,728</b>	<b>67,203</b>	<b>80,470</b>
Foodstuffs	674	724	693	878	934	808	939	945
Raw material	326	412	477	680	1,101	825	892	991
Fuels	48	63	74	92	251	220	117	156
Manufactures	18,272	22,820	27,348	35,281	53,252	53,875	65,254	78,379
<b>West Germany</b>	<b>34,189</b>	<b>39,040</b>	<b>46,208</b>	<b>67,437</b>	<b>89,165</b>	<b>90,021</b>	<b>102,032</b>	<b>117,932</b>
Foodstuffs	1,188	1,460	1,837	3,040	3,911	4,241	4,529	5,902
Raw material	811	829	962	1,578	2,166	1,839	2,269	2,320
Fuels	1,011	1,163	1,214	1,717	3,080	2,813	2,933	3,120
Manufactures	31,178	35,588	42,195	61,102	80,009	81,128	92,301	106,591
<b>France</b>	<b>17,739</b>	<b>20,420</b>	<b>25,842</b>	<b>35,662</b>	<b>45,139</b>	<b>51,804</b>	<b>55,463</b>	<b>63,363</b>
Foodstuffs	2,803	3,576	4,739	6,759	7,858	8,069	8,461	9,233
Raw material	927	920	1,209	1,825	2,368	2,006	2,373	2,521
Fuels	376	455	583	763	1,213	1,410	1,615	1,893
Manufactures	13,633	15,470	19,310	26,315	33,700	40,118	43,014	49,715
<b>United Kingdom</b>	<b>19,351</b>	<b>22,353</b>	<b>24,344</b>	<b>30,535</b>	<b>38,662</b>	<b>43,660</b>	<b>46,032</b>	<b>57,439</b>
Foodstuffs	1,259	1,459	1,680	2,196	2,576	3,221	3,112	3,980
Raw material	630	649	771	1,013	1,268	1,173	1,321	1,521
Fuels	496	575	596	907	1,798	1,798	2,252	3,609
Manufactures	16,965	19,670	21,297	26,418	33,019	37,468	39,347	48,328
<b>Italy</b>	<b>13,210</b>	<b>15,111</b>	<b>18,548</b>	<b>22,223</b>	<b>30,252</b>	<b>34,825</b>	<b>36,966</b>	<b>45,062</b>
Foodstuffs	1,127	1,332	1,672	1,867	2,381	2,921	2,823	3,466
Raw material	292	308	361	461	604	577	642	1,040
Fuels	669	821	821	1,260	2,361	2,030	2,104	2,530
Manufactures	11,122	12,650	15,694	18,635	24,906	29,297	31,398	38,027

Table 56

## Big Seven: Imports, by Commodity

Million US \$

	1970	1971	1972	1973	1974	1975	1976	1977
Big Seven .....	157,593	176,162	211,569	255,937	411,343	408,072	474,775	539,211
Foodstuffs .....	27,228	29,860	35,138	48,679	57,149	60,387	64,640	75,501
Raw material .....	20,372	19,651	22,422	33,588	41,212	35,159	42,039	44,394
Fuels .....	17,018	21,541	24,810	36,709	100,583	101,364	117,703	132,711
Manufactures .....	92,975	105,110	129,198	169,960	212,400	211,161	250,393	286,603
United States .....	39,963	45,602	55,555	69,121	100,972	96,941	121,793	147,848
Foodstuffs .....	6,446	6,627	7,593	9,518	11,296	10,518	12,399	14,680
Raw material .....	3,259	3,335	3,817	4,923	5,863	5,387	6,774	7,669
Fuels .....	3,081	3,715	4,799	8,101	25,350	26,404	33,929	44,198
Manufactures .....	27,178	31,926	39,347	46,580	58,463	54,633	68,692	81,300
Canada .....	13,348	15,458	18,923	23,316	32,296	33,954	37,934	39,485
Foodstuffs .....	1,153	1,230	1,486	2,084	2,782	2,817	3,090	3,303
Raw material .....	616	671	771	1,006	1,250	1,305	1,455	1,438
Fuels .....	749	907	1,085	1,324	3,391	4,090	4,103	3,920
Manufactures .....	10,830	12,650	15,582	18,902	24,874	25,741	29,286	30,823
Japan .....	15,883	19,712	23,471	38,313	62,094	57,840	64,505	70,560
Foodstuffs .....	3,195	3,584	4,353	7,248	9,676	10,344	10,805	11,872
Raw material .....	6,057	5,730	6,446	11,010	12,805	10,113	11,756	12,575
Fuels .....	3,906	4,753	5,715	8,344	24,921	25,641	28,287	31,149
Manufactures .....	5,725	5,644	6,957	11,712	14,693	11,741	13,656	14,965
West Germany .....	29,814	34,341	39,763	54,496	68,975	74,208	87,783	100,701
Foodstuffs .....	5,524	6,314	7,425	10,193	11,054	12,092	13,711	16,245
Raw material .....	3,420	3,315	3,747	5,301	6,615	6,167	7,271	7,633
Fuels .....	2,627	3,502	3,672	6,211	13,308	13,099	15,828	17,230
Manufactures .....	18,244	21,210	24,919	32,791	37,999	42,850	50,974	59,593
France .....	18,922	21,137	26,715	37,055	52,174	53,606	64,016	70,276
Foodstuffs .....	2,798	2,974	3,675	5,207	5,692	6,921	7,576	9,794
Raw material .....	1,862	1,849	2,231	3,257	4,339	3,691	4,474	4,621
Fuels .....	2,291	2,933	3,533	4,581	11,945	12,260	14,369	15,089
Manufactures .....	11,970	13,381	17,275	24,009	30,198	30,734	37,597	40,770
United Kingdom .....	21,724	23,944	27,860	38,843	54,149	53,595	55,951	63,658
Foodstuffs .....	5,267	5,662	6,244	8,161	9,692	10,345	9,686	11,388
Raw material .....	2,931	2,740	2,958	4,242	5,203	4,285	5,049	5,189
Fuels .....	2,270	3,042	3,108	4,232	10,841	9,613	10,137	9,123
Manufactures .....	11,256	12,500	15,550	22,208	28,414	29,352	31,078	37,958
Italy .....	14,939	15,968	19,282	27,793	40,682	37,928	42,794	46,683
Foodstuffs .....	2,846	3,469	4,363	6,267	6,958	7,350	7,374	8,219
Raw material .....	2,227	2,011	2,453	3,850	5,137	4,210	5,260	5,268
Fuels .....	2,095	2,688	2,899	3,918	10,828	10,258	11,050	12,002
Manufactures .....	7,771	7,799	9,568	13,758	17,759	16,110	19,110	21,194

Table 57

## Big Seven: Trade Balance, by Commodity

Million US \$

	1970	1971	1972	1973	1974	1975	1976	1977
Big Seven	5,625	6,591	1,817	373	-21,298	7,718	-13,711	-13,488
Foodstuffs	-11,282	-11,784	-13,069	-13,592	-14,365	-15,622	-18,009	-24,455
Raw material	-10,573	-9,998	-11,196	-17,148	-19,932	-16,217	-19,527	-19,750
Fuels	-11,744	-15,611	-18,114	-27,832	-83,254	-83,279	-99,154	-112,034
Manufactures	39,224	43,983	44,196	58,943	96,253	122,838	122,980	142,750
United States	3,263	-1,465	-5,880	2,193	-2,466	10,710	-6,796	-27,685
Foodstuffs	473	552	1,253	7,257	9,445	10,587	9,699	8,030
Raw material	144	-346	-389	566	1,326	1,349	650	440
Fuels	-1,386	-2,123	-3,125	-6,429	-21,905	-21,923	-29,701	-39,999
Manufactures	4,032	451	-3,618	798	8,668	20,697	12,556	3,845
Canada	2,836	2,216	1,255	1,891	487	-1,654	437	1,808
Foodstuffs	823	1,116	1,116	1,488	1,601	1,582	1,579	1,508
Raw material	2,795	2,877	3,249	4,390	5,334	4,480	6,136	6,704
Fuels	229	354	649	1,142	1,788	1,243	1,197	1,251
Manufactures	-1,011	-2,131	-3,759	-5,128	-8,237	-8,959	-8,475	-7,655
Japan	437	4,307	5,120	-1,382	-6,557	-2,112	2,698	9,910
Foodstuffs	-2,521	-2,860	-3,660	-6,370	-8,742	-9,536	-9,866	-10,927
Raw material	-5,730	-5,318	-5,969	-10,330	-11,705	-9,288	-10,864	-11,585
Fuels	-3,858	-4,691	-5,641	-8,251	-24,669	-25,422	-28,170	-30,993
Manufactures	12,546	17,176	20,391	23,569	38,559	42,134	51,598	63,414
West Germany	4,375	4,698	6,444	12,941	20,190	15,814	14,249	17,232
Foodstuffs	-4,335	-4,854	-5,589	-7,153	-7,142	-7,850	-9,182	-10,343
Raw material	-2,609	-2,487	-2,785	-3,723	-4,449	-4,328	-5,002	-5,313
Fuels	-1,616	-2,340	-2,458	-4,494	-10,229	-10,286	-12,895	-14,110
Manufactures	12,934	14,378	17,276	28,311	42,010	38,278	41,328	46,998
France	-1,184	-717	-874	-1,393	-7,034	-2,002	-8,553	-6,912
Foodstuffs	5	602	1,064	1,551	2,165	1,148	886	-561
Raw material	-936	-930	-1,022	-1,433	-1,971	-1,685	-2,101	-2,100
Fuels	-1,915	-2,478	-2,950	-3,817	-10,731	-10,850	-12,755	-13,197
Manufactures	1,662	2,088	2,035	2,306	3,502	9,385	5,417	8,944
United Kingdom	-2,373	-1,590	-3,515	-8,309	-15,488	-9,935	-9,919	-6,219
Foodstuffs	-4,007	-4,202	-4,563	-5,965	-7,116	-7,124	-6,574	-7,408
Raw material	-2,302	-2,091	-2,187	-3,229	-3,935	-3,112	-3,728	-3,668
Fuels	-1,773	-2,467	-2,511	-3,325	-9,042	-7,815	-7,885	-5,514
Manufactures	5,709	7,170	5,747	4,210	4,605	8,117	8,269	10,371
Italy	-1,729	-858	-734	-5,570	-10,430	-3,103	-5,827	-1,621
Foodstuffs	-1,719	-2,137	-2,691	-4,400	-4,577	-4,428	-4,551	-4,753
Raw material	-1,935	-1,703	-2,092	-3,390	-4,533	-3,633	-4,619	-4,228
Fuels	-1,426	-1,867	-2,078	-2,658	-8,466	-8,227	-8,946	-9,472
Manufactures	3,351	4,850	6,126	4,877	7,146	13,186	12,288	16,832

Table 58

Oil Import Bill of the Major Non-Communist Consuming Countries<sup>1</sup>

	Billion US \$							
	1965	1970	1972	1973	1974	1975	1976	1977
OECD								
United States <sup>2</sup> .....	2.1	2.3	3.9	7.8	24.6	23.8	33.5	42.8
Japan .....	1.3	2.7	4.4	6.7	20.9	20.8	23.2	25.8
Spain .....	0.2	0.4	0.7	0.9	3.1	3.5	4.3	4.5
European Community								
France .....	0.9	1.6	2.6	3.3	9.7	9.3	9.9	10.5
Italy .....	0.6	1.2	1.8	2.4	8.0	7.2	8.0	8.4
Netherlands .....	0.2	0.3	0.5	0.5	1.5	1.6	2.4	2.8
United Kingdom .....	1.4	1.8	2.4	3.3	9.0	7.7	7.9	5.4
West Germany .....	1.0	2.0	2.9	5.1	11.2	10.7	12.9	13.6

<sup>1</sup>Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).<sup>2</sup>On an f.o.b. basis.

Table 59

Soviet Foreign Trade<sup>1</sup>

		Communist Countries						Non-Communist Countries			
		Total Trade	Total	Eastern Europe	China	Other Asian	Other <sup>3</sup>	Total	Less Developed Countries		Unspecified
									Developed Countries	Total	
1960.....	Exports .....	5,558	4,209	3,071	816	66	256	1,348	996	353	68
	Imports .....	5,623	3,977	2,792	847	101	237	1,645	1,098	547	43
1965.....	Exports .....	8,166	5,554	4,548	191	167	647	2,612	1,473	1,139	337
	Imports .....	8,050	5,605	4,668	225	120	592	2,444	1,620	824	55
1970.....	Exports .....	12,787	8,359	6,752	25	415	1,167	4,428	2,414	2,014	846
	Imports .....	11,720	7,630	6,627	22	156	826	4,089	2,814	1,275	73
1971.....	Exports .....	13,792	9,009	7,234	78	521	1,176	4,783	2,794	1,989	755
	Imports .....	12,467	8,169	7,250	76	160	683	4,298	2,904	1,394	75
1972.....	Exports .....	15,409	10,020	8,139	121	418	1,341	5,390	3,044	2,346	1,137
	Imports .....	16,104	10,307	9,301	134	183	690	5,797	4,164	1,633	87
1973.....	Exports .....	21,332	12,305	9,964	136	495	1,710	9,027	5,125	3,902	2,228
	Imports .....	20,980	12,442	10,925	136	230	1,151	8,538	6,191	2,347	92
1974.....	Exports .....	27,374	14,641	11,491	143	510	2,497	12,733	8,226	4,507	2,201
	Imports .....	24,861	13,586 <sup>2</sup>	11,352	139	254	1,841	11,275	8,092	3,183	171
1975.....	Exports .....	33,401	20,271	16,494	129	480	3,168	13,130	8,982	4,748	2,137
	Imports .....	37,070	19,415	15,723	150	277	3,265	17,654	13,473	4,181	144
1976.....	Exports .....	37,269	21,890	17,432	239	565	3,654	15,378	10,269	5,109	2,588
	Imports .....	38,212	20,088	16,261	179	242	3,406	18,123	14,360	3,763	178
1977.....	Exports .....	45,209	25,998	20,753	161	627	4,457	19,211	12,064	7,147	3,917
	Imports .....	40,914	23,342	18,830	177	399	3,936	17,571	13,575	3,996	77

<sup>1</sup> Official Soviet statistics. Exports and imports are f.o.b.<sup>2</sup> Yugoslavia, Mongolia, and Cuba.<sup>3</sup> A sum of \$15 million in Soviet imports from Communist countries is not identified by country.

Table 60

Soviet Exports<sup>1</sup>

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Total exports .....	5,558	8,166	12,787	13,792	15,409	21,332	27,374	33,401	37,269	45,209
Machinery and equipment .....	1,141	1,634	2,753	3,002	3,637	4,655	5,246	6,230	7,219	8,493
Fuels, lubricants, and related materials .....	902	1,403	1,986	2,465	2,717	4,089	6,930	10,470	12,773	15,853
Coal and coke .....	242	384	408	488	527	583	746	1,399	1,350	1,422
Petroleum and petroleum products .....	657	998	1,469	1,829	2,013	3,244	5,745	8,212	10,210	12,778
Ores and concentrates .....	243	310	403	419	466	548	595	867	839	829
Iron ore .....	175	250	325	334	387	465	491	692	629	599
Base metals and manufactures .....	837	1,329	1,978	2,061	2,300	2,842	3,153	3,813	3,873	2,817
Ferrous metals .....	642	997	1,351	1,363	1,427	1,671	1,796	2,673	2,734	2,814
Rolled ferrous metals .....	480	716	961	952	988	1,090	1,132	1,794	1,879	1,889
Nonferrous metals .....	195	331	627	698	873	1,171	1,358	1,140	1,138	6
Aluminum .....	35	111	184	199	247	313	358	356	N.A.	N.A.
Chemicals .....	150	244	364	396	439	549	887	1,027	939	1,063
Wood and wood products .....	305	593	831	864	940	1,378	1,899	1,916	1,995	2,299
Lumber .....	183	312	333	352	373	503	748	780	817	934
Textile raw materials and semimanufactures .....	358	421	437	455	584	696	913	976	1,067	1,448
Cotton fiber .....	288	334	372	399	526	631	850	917	1,013	1,372
Consumer goods .....	908	904	1,356	1,593	1,277	1,673	2,568	2,383	2,020	2,327
Food (foodstuffs) .....	702	664	1,019	1,240	860	1,149	1,912	1,556	1,106	1,388
Grain* .....	467	270	399	602	329	485	822	508	213	515
Other consumer goods .....	205	240	337	353	418	524	656	827	913	939
Other and unspecified .....	714	1,328	2,679	2,537	3,049	4,902	5,183	5,719	6,544	10,079

<sup>1</sup> Official Soviet statistics. Exports are f.o.b.

\* Excluding wheat flour.

Table 61

Soviet Imports<sup>1</sup>

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Total imports .....	5,623	8,050	11,720	12,467	16,104	20,980	24,861	37,070	38,212	40,914
Machinery and equipment .....	1,673	2,690	4,166	4,237	5,577	7,206	8,057	12,574	13,868	15,587
Transportation equipment .....	659	990	1,232	1,094	1,315	1,677	1,826	3,326	3,123	3,142
Fuels, lubricants, and related materials .....	237	198	228	326	467	701	868	1,447	1,374	N.A.
Coal and coke .....	93	123	124	149	196	224	215	499	480	N.A.
Petroleum and petroleum products .....	144	75	82	123	191	367	452	695	661	N.A.
Ores and concentrates .....	314	315	303	336	352	457	510	583	536	N.A.
Base metals and manufactures .....	545	389	691	750	944	1,450	2,773	3,595	3,304	2,480
Ferrous metals .....	373	314	593	661	836	1,325	2,569	3,346	3,029	2,466
Rolled ferrous metals .....	338	287	568	632	792	1,258	2,462	3,197	2,865	2,287
Nonferrous metals .....	172	75	98	89	108	125	204	249	275	N.A.
Tin .....	35	21	30	14	15	17	38	65	N.A.	N.A.
Chemicals .....	149	373	618	702	868	954	1,448	1,747	1,668	1,850
Rubber and rubber products .....	196	199	192	154	145	213	365	307	357	N.A.
Wood and wood products .....	105	150	248	259	288	338	473	796	670	723
Textile raw materials and semimanufactures .....	364	358	561	562	531	777	1,018	887	894	1,087
Cotton fiber .....	180	162	249	252	183	200	338	271	234	226
Wool fiber .....	118	100	120	113	123	371	358	265	304	373
Consumer goods .....	1,573	2,656	3,789	4,140	5,517	7,074	7,506	12,720	12,574	12,744
Food .....	613	1,512	1,590	1,588	2,479	3,704	3,824	7,844	7,736	7,490
Wheat and wheat flour .....	10	424	139	174	540	1,042	350	1,711	1,198	1,016
Other consumer goods .....	960	1,144	2,199	2,552	3,037	3,370	3,682	4,876	4,838	5,254
Other and unspecified .....	466	723	926	1,002	1,416	1,809	1,844	2,414	2,967	6,442

<sup>1</sup> Official Soviet statistics. Imports are f.o.b.

Table 62

Direction of Chinese Foreign Trade<sup>1</sup>

Million US \$

		Communist Countries				Non-Communist Countries				
		Total Trade	Total	Eastern Europe	USSR	Other <sup>1</sup>	Total	Developed Countries	Less Developed Countries	Hong Kong and Macao
1965	Exports	2,035	650	95	225	330	1,385	575	455	355
	Imports	1,845	515	110	190	215	1,330	920	405	5
1966	Exports	2,210	585	130	145	310	1,625	715	510	400
	Imports	2,035	505	140	175	190	1,530	1,140	385	5
1967	Exports	1,945	485	110	55	320	1,460	635	515	310
	Imports	1,950	345	135	50	160	1,605	1,345	260	Negl.
1968	Exports	1,945	500	140	35	325	1,445	620	500	325
	Imports	1,820	340	135	60	145	1,480	1,250	230	Negl.
1969	Exports	2,030	490	145	30	315	1,540	685	515	340
	Imports	1,830	295	120	25	150	1,535	1,245	290	Negl.
1970	Exports	2,095	480	165	20	295	1,615	675	455	485
	Imports	2,245	380	190	25	165	1,865	1,555	300	10
1971	Exports	2,500	585	195	75	315	1,915	810	535	570
	Imports	2,310	500	250	80	170	1,810	1,430	370	10
1972	Exports	3,150	740	230	135	375	2,410	1,085	615	710
	Imports	2,850	535	265	120	150	2,315	1,670	625	20
1973	Exports	5,075	1,000	305	135	560	4,075	1,825	1,115	1,135
	Imports	5,225	710	300	135	275	4,515	3,525	935	55
1974	Exports	6,660	1,430	405	140	885	5,230	2,415	1,595	1,220
	Imports	7,420	1,010	360	145	505	6,410	5,305	1,045	60
1975	Exports	7,180	1,380	485	150	745	5,800	2,620	1,780	1,400
	Imports	7,395	1,010	525	130	355	6,385	5,480	870	35
1976	Exports	7,265	1,240	435	180	625	6,025	2,695	1,705	1,625
	Imports	6,010	1,105	550	240	315	4,905	4,110	765	30
1977	Exports	7,900	1,500	N.A.	N.A.	N.A.	6,400	N.A.	N.A.	N.A.
	Imports	6,900	1,400	N.A.	N.A.	N.A.	5,400	N.A.	N.A.	N.A.

<sup>1</sup> Rounded to the nearest US \$5 million. Exports are f.o.b. and imports are c.i.f.<sup>2</sup> Including data for Yugoslavia, Mongolia, Cuba, Albania, North Korea, and Vietnam.

Table 63

Chinese Exports<sup>1</sup>

Million US \$

	1970			1973			1974			1975			1976		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total .....	2,095	480	1,615	5,075	1,000	4,075	6,660	1,430	5,230	7,180	1,380	5,800	7,265	1,240	6,025
Foodstuffs .....	660	90	570	1,565	315	1,250	2,080	365	1,715	2,125	385	1,740	1,950	300	1,650
Animals, meat, and fish .....	215	20	195	470	65	405	535	30	505	630	60	570	660	20	640
Grains .....	110	30	80	445	120	325	715	145	570	720	200	520	450	180	270
Fruits and vegetables .....	170	25	145	245	20	225	315	50	265	360	65	295	385	35	350
Crude materials, fuels, and edible oils	445	60	385	900	130	770	1,440	300	1,140	1,945	360	1,585	1,805	310	1,495
Oilseeds .....	65	0	65	110	5	105	135	10	125	140	5	135	85	5	80
Textile fibers .....	100	10	90	330	5	325	190	30	160	250	40	210	285	30	255
Crude animal materials .....	115	35	80	170	40	130	185	25	160	230	35	195	260	20	240
Petroleum .....	0	0	0	80	30	50	525	75	450	910	95	815	840	135	705
Chemicals .....	105	25	80	260	40	220	405	60	345	300	45	255	330	40	290
Manufactures .....	870	300	570	2,315	500	1,815	2,690	670	2,020	2,740	555	2,185	3,070	535	2,535
Textile yarn and fabric .....	340	80	260	855	150	705	940	250	690	1,065	225	840	1,235	225	1,010
Clothing .....	155	85	70	345	65	280	360	100	260	345	95	250	420	80	340
Iron and steel .....	40	25	15	120	35	85	170	20	150	85	25	60	105	25	80
Nonferrous metals .....	25	10	15	60	10	50	85	20	65	120	30	90	90	35	55
Other .....	15	5	10	35	15	20	45	35	10	70	35	35	110	55	55

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

Table 64

Chinese Imports<sup>1</sup>

Million US \$

	1970			1973			1974			1975			1976		
	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist	Total	Com-munist	Non-Com-munist
Total .....	2,245	380	1,865	5,225	710	4,515	7,420	1,010	6,410	7,395	1,010	6,385	6,010	1,105	4,905
Foodstuffs .....	395	70	325	1,015	65	950	1,440	165	1,275	885	100	785	560	90	470
Grains .....	280	0	280	840	0	840	1,180	0	1,180	675	5	670	325	0	325
Crude materials, fuels, and edible oils	420	90	330	1,115	105	1,010	1,475	160	1,315	1,040	195	845	895	200	695
Rubber .....	80	0	80	170	0	170	165	0	165	155	10	145	155	15	140
Textile fibers .....	110	0	110	475	0	475	615	0	615	355	0	355	305	0	305
Chemicals .....	240	10	230	475	40	435	585	60	525	825	65	760	600	110	490
Fertilizer .....	140	0	140	210	25	185	220	55	165	405	40	365	230	95	135
Manufactures .....	1,180	210	970	2,590	485	2,105	3,865	610	3,255	4,595	635	3,960	3,895	670	3,225
Textile yarn and fabric .....	45	0	45	110	5	105	170	0	170	85	0	85	125	0	125
Iron and steel .....	405	35	370	930	40	890	1,310	70	1,240	1,550	115	1,435	1,445	100	1,345
Nonferrous metals .....	210	10	200	410	20	390	415	20	395	450	20	430	260	20	240
Machinery and equipment .....	395	140	255	860	340	520	1,610	370	1,240	2,155	445	1,710	1,770	475	1,295
Other .....	10	0	10	30	15	15	55	15	40	50	15	35	60	35	25

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

Table 65

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

Million US \$

		Communist Countries					Non-Communist Countries		
		Total Trade	Total	USSR	Eastern Europe	Other <sup>2</sup>	Total	Developed Countries	Less Developed Countries
1960.....	Exports .....	7,624	5,523	2,817	2,102	604	2,101	1,603	498
	Imports .....	7,754	5,541	2,954	2,084	503	2,213	1,772	441
1965.....	Exports .....	11,789	8,423	4,692	3,172	559	3,366	2,581	785
	Imports .....	11,611	8,114	4,436	3,111	567	3,497	2,765	732
1970.....	Exports .....	18,159	12,546	6,612	4,955	979	5,613	4,426	1,187
	Imports .....	18,522	12,503	6,803	4,908	792	6,019	5,052	967
1971.....	Exports .....	19,986	13,834	7,284	5,426	1,124	6,152	4,828	1,324
	Imports .....	20,318	13,699	7,291	5,539	869	6,619	5,616	1,003
1972.....	Exports .....	24,784	17,313	9,399	6,720	1,194	7,471	5,985	1,486
	Imports .....	24,487	16,066	8,279	6,768	1,019	8,421	7,255	1,166
1973.....	Exports .....	31,685	21,260	10,963	8,901	1,396	10,425	8,510	1,915
	Imports .....	32,770	20,031	9,973	8,751	1,307	12,739	11,092	1,647
1974.....	Exports .....	37,556	23,187	11,405	9,954	1,828	14,369	11,326	3,043
	Imports .....	42,311	22,948	11,244	9,842	1,862	19,363	16,470	2,893
1975.....	Exports .....	45,272	30,196	15,621	12,231	2,344	15,076	11,282	3,794
	Imports .....	51,280	30,573	16,300	12,248	2,025	20,707	17,687	3,020
1976.....	Exports .....	49,497	32,758	16,227	13,878	2,653	16,739	12,819	3,920
	Imports .....	55,626	32,926	17,232	13,858	1,836	22,700	19,168	3,532
1977.....	Exports .....	56,867	N.A.	19,074	N.A.	N.A.	N.A.	14,125	N.A.
	Imports .....	61,731	N.A.	20,769	N.A.	N.A.	N.A.	19,281	N.A.

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

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



Table 66

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

Million US \$

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
<b>Bulgaria</b>										
Total .....	571	1,176	2,004	2,182	2,646	3,327	3,795	4,810	5,320	6,288
Of which:										
USSR .....	307	614	1,078	1,196	1,492	1,823	1,902	2,645	2,875	3,360
Eastern Europe .....	151	275	431	448	536	709	790	969	1,163	N.A.
Developed Countries .....	73	190	289	307	347	450	466	474	628	630
Less Developed Countries .....	18	52	125	141	162	229	455	463	430	650
<b>Czechoslovakia</b>										
Total .....	1,929	2,688	3,792	4,180	4,938	5,988	6,884	8,158	8,745	10,495
Of which:										
USSR .....	659	1,023	1,222	1,324	1,579	1,889	2,023	2,664	2,934	3,410
Eastern Europe .....	561	789	1,213	1,335	1,600	1,978	2,109	2,621	2,986	3,376
Developed Countries .....	335	468	783	856	973	1,330	1,702	1,673	1,671	2,088
Less Developed Countries .....	200	255	331	392	409	446	599	706	658	1,067
<b>East Germany<sup>3</sup></b>										
Total .....	2,207	3,085	4,647	5,151	6,336	7,772	8,903	10,680	11,645	12,700
Of which:										
USSR .....	924	1,311	1,742	1,938	2,500	2,860	2,814	3,700	3,657	4,140
Eastern Europe .....	588	852	1,386	1,565	1,916	2,375	2,690	3,368	3,691	N.A.
Developed Countries .....	446	657	1,078	1,153	1,425	1,950	2,658	2,631	3,170	3,550
Less Developed Countries .....	89	131	183	215	217	280	356	431	473	N.A.
<b>Hungary</b>										
Total .....	874	1,510	2,317	2,500	3,308	4,377	4,874	5,694	6,643	7,959
Of which:										
USSR .....	256	525	790	873	1,196	1,454	1,517	2,154	2,346	2,817
Eastern Europe .....	278	468	648	743	973	1,333	1,465	1,591	1,950	2,365
Developed Countries .....	192	342	630	617	824	1,196	1,363	1,327	1,553	1,740
Less Developed Countries .....	58	107	137	139	170	211	325	364	392	473
<b>Poland</b>										
Total .....	1,326	2,228	3,548	3,872	4,948	6,471	8,280	10,510	10,969	12,405
Of which:										
USSR .....	390	781	1,251	1,387	1,828	2,103	2,341	3,362	3,310	3,957
Eastern Europe .....	335	528	882	901	1,161	1,649	1,985	2,671	2,888	3,155
Developed Countries .....	403	647	1,024	1,160	1,507	2,214	3,042	3,278	3,563	3,877
Less Developed Countries .....	93	172	258	269	289	315	641	845	878	1,005
<b>Romania</b>										
Total .....	717	1,102	1,851	2,101	2,608	3,750	4,840	5,420	6,175	7,020
Of which:										
USSR .....	281	438	529	566	704	834	808	1,096	1,105	1,390
Eastern Europe .....	189	260	395	434	534	857	915	1,011	1,200	N.A.
Developed Countries .....	154	277	622	735	909	1,370	2,095	1,899	2,234	2,240
Less Developed Countries .....	40	68	153	168	239	434	667	985	1,089	N.A.

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

<sup>2</sup> Preliminary.

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

Table 67

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
Million US \$										
<b>Bulgaria</b>										
Total .....	625	1,178	1,831	2,120	2,585	3,297	4,282	5,531	5,565	6,198
Of which:										
USSR .....	332	589	955	1,108	1,353	1,714	1,860	2,828	3,018	3,610
Eastern Europe .....	174	236	372	458	635	761	933	1,007	1,055	N.A.
Developed Countries .....	89	266	355	362	391	528	990	1,289	1,050	870
Less Developed Countries .....	13	37	81	115	129	154	302	209	238	340
<b>Czechoslovakia</b>										
Total .....	1,816	2,673	3,695	4,010	4,684	6,071	7,352	8,874	9,410	10,888
Of which:										
USSR .....	630	955	1,209	1,358	1,558	1,812	1,979	2,818	3,022	3,640
Eastern Europe .....	524	851	1,123	1,185	1,498	1,979	2,281	2,839	3,009	3,353
Developed Countries .....	360	514	917	1,005	1,098	1,566	2,102	2,244	2,429	2,639
Less Developed Countries .....	161	197	214	218	268	389	535	501	498	733
<b>East Germany<sup>3</sup></b>										
Total .....	2,194	2,823	4,923	5,057	6,075	8,099	9,797	11,947	13,514	14,300
Of which:										
USSR .....	958	1,205	1,945	1,894	2,083	2,498	2,868	4,172	4,234	4,940
Eastern Europe .....	496	693	1,246	1,400	1,652	2,342	2,443	3,147	3,668	N.A.
Developed Countries .....	484	656	1,378	1,455	1,970	2,776	3,549	3,704	4,626	4,490
Less Developed Countries .....	90	120	182	181	155	228	533	483	608	N.A.
<b>Hungary</b>										
Total .....	976	1,520	2,505	2,990	3,168	3,886	5,340	6,758	7,252	8,558
Of which:										
USSR .....	303	553	832	1,021	1,101	1,316	1,470	2,237	2,394	2,859
Eastern Europe .....	317	415	726	860	891	1,002	1,304	1,823	2,024	2,280
Developed Countries .....	237	383	678	836	890	1,196	1,965	1,966	2,027	2,450
Less Developed Countries .....	58	113	177	159	188	256	425	498	524	640
<b>Poland</b>										
Total .....	1,495	2,340	3,608	4,038	5,350	7,902	10,429	12,752	13,823	14,767
Of which:										
USSR .....	465	728	1,361	1,425	1,601	1,935	2,323	3,294	3,509	4,310
Eastern Europe .....	400	706	1,000	1,154	1,501	1,962	2,016	2,354	2,770	3,046
Developed Countries .....	447	583	938	1,111	1,821	3,501	5,335	6,199	6,798	6,292
Less Developed Countries .....	99	210	196	206	246	299	495	597	577	765
<b>Romania</b>										
Total .....	648	1,077	1,960	2,103	2,625	3,515	5,111	5,418	6,062	7,020
Of which:										
USSR .....	266	406	501	485	583	698	744	951	1,055	1,410
Eastern Europe .....	173	210	441	482	591	705	865	1,078	1,332	N.A.
Developed Countries .....	155	363	786	847	1,085	1,525	2,529	2,285	2,238	2,540
Less Developed Countries .....	20	55	117	124	180	321	603	732	1,087	N.A.

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

<sup>2</sup> Preliminary.

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

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TABLE	PAGE
68 Net Financial Flows .....	69
69-70 Gross Official Bilateral Capital Flows .....	69-70
71 Economic Loans and Grants by the United States .....	71
72 Military Deliveries by the United States .....	72
73 Economic Extensions and Drawings by the Communist Countries .....	73
74 Military Agreements Concluded and Deliveries by the Communist Countries .....	73
75 Economic Extensions by the USSR .....	74
76 Economic Extensions to the Communist Countries by the USSR .....	75
77 Arms Exports .....	75
78 Economic Extensions by China .....	76
79 Economic Extensions by Eastern Europe .....	77
80 Trainees Departing for Training in Communist Countries .....	78
81 Military Personnel Trained in Communist Countries .....	78
82 Economic Technicians .....	79

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Table 68

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

Billion US \$

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

Table 69

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

Million US \$

	1954-76	Annual Average 1954-69	1970	1971	1972	1973	1974	1975	1976
World .....	167,846	5,194	8,635	10,087	10,551	11,548	13,307	15,224	15,406
Development Assistance Committee <sup>2</sup> .....	156,716	4,899	8,035	9,292	9,691	10,593	12,132	14,304	14,296
United States .....	76,161	2,919	3,510	4,000	3,586	3,685	4,631	5,063	4,989
France .....	24,395	780	1,039	1,118	1,438	1,623	1,806	2,462	2,436
West Germany .....	13,727	314	718	897	995	1,363	1,422	1,720	1,586
United Kingdom .....	9,949	343	487	605	679	581	688	694	721
Japan <sup>3</sup> .....	11,153	160	1,177	1,283	1,282	1,389	1,206	1,219	1,038
Other Developed Countries <sup>4</sup> .....	21,331	383	1,104	1,389	1,711	1,952	2,379	3,146	3,526
Communist Countries .....	11,130	295	600	795	860	955	1,175	920	1,110
USSR .....	6,615	200	385	415	430	500	700	500	460
Eastern Europe .....	2,455	55	145	190	170	215	225	240	365
China .....	2,060	35	70	190	260	240	250	180	285

<sup>1</sup> Total gross official capital flows include grants (less reparations and indemnification payments); gross loans with maturities of five years or more (although about 4 percent of the total for 1965-75 is made up of loans with maturities of one to five years); and net grant-like flows (loans repayable in recipients' currencies and transfers of resources through sales for recipients' currencies).

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

<sup>3</sup> Data for the period 1954-68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits.

<sup>4</sup> Including Australia, Austria, Belgium, Canada, Denmark, Finland, Italy, Norway, the Netherlands, Sweden, and Switzerland; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974. Disbursements by all donors to Yugoslavia are excluded.

Table 70

**Total Gross Official Bilateral Capital Flows<sup>1</sup> from Development Assistance Committee  
Members to Less Developed Countries, 1954-76**

	Million US \$		
	Total	United States	Other <sup>2</sup>
<b>Total</b> .....	<b>156,716</b>	<b>76,161</b>	<b>80,555</b>
<b>Africa</b> .....	<b>35,335</b>	<b>6,224</b>	<b>29,111</b>
Algeria .....	5,115	427	4,688
Guinea .....	247	134	113
Other .....	29,973	5,663	24,310
<b>East Asia</b> .....	<b>32,123</b>	<b>20,812</b>	<b>11,311</b>
Indonesia .....	6,413	2,372	4,041
South Korea .....	7,190	5,517	1,673
Other .....	18,520	12,923	5,597
<b>Latin America</b> .....	<b>26,973</b>	<b>15,981</b>	<b>10,992</b>
Brazil .....	5,712	4,147	1,565
Chile .....	2,825	2,047	778
Other .....	18,436	9,787	8,649
<b>Middle East and South Asia</b> .....	<b>44,983</b>	<b>26,576</b>	<b>18,407</b>
Afghanistan .....	685	403	282
Egypt .....	2,879	1,721	1,158
India .....	16,755	9,487	7,268
Iran .....	1,908	1,141	767
Iraq .....	266	53	213
North Yemen .....	150	69	81
Pakistan .....	7,692	4,968	2,724
Syria .....	160	67	93
Turkey .....	3,773	2,565	1,208
Other .....	10,715	6,102	4,613
<b>Europe</b> .....	<b>3,384</b>	<b>2,185</b>	<b>1,219</b>
<b>Other</b> .....	<b>13,918</b>	<b>4,403</b>	<b>9,515</b>

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

<sup>2</sup> Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974. Data for Japan for the period 1954-68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits.

Table 71

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

Million US \$

	1946-77 <sup>2</sup>	1972 <sup>3</sup>	1973 <sup>3</sup>	1974 <sup>3</sup>	1975 <sup>3</sup>	1976 <sup>3</sup>	1977 <sup>3</sup>
<b>Total</b> .....	<b>94,360</b>	<b>3,937</b>	<b>4,113</b>	<b>3,902</b>	<b>4,908</b>	<b>5,790</b>	<b>5,588</b>
<b>Africa</b> .....	<b>6,287</b>	<b>299</b>	<b>257</b>	<b>300</b>	<b>335</b>	<b>388</b>	<b>417</b>
Ethiopia .....	356	33	12	36	24	14	6
Ghana .....	324	15	24	6	8	23	13
Liberia .....	261	17	19	6	16	7	21
Libya .....	212	Negl.	0	0	0	0	0
Morocco .....	918	38	30	20	24	49	27
Nigeria .....	408	25	11	6	9	1	0
Tunisia .....	797	41	17	10	13	13	24
Zaire .....	529	6	9	4	5	37	46
Other .....	2,482	124	135	212	236	244	280
<b>East Asia</b> .....	<b>25,898</b>	<b>1,496</b>	<b>1,253</b>	<b>1,197</b>	<b>736</b>	<b>437</b>	<b>341</b>
Cambodia .....	849	58	93	276	149	0	0
Indonesia .....	2,149	240	241	90	90	161	134
Laos .....	899	52	51	40	26	0	0
Philippines .....	1,867	70	124	64	68	86	87
South Korea .....	5,830	252	188	37	37	138	77
Taiwan .....	2,207	0	0	0	0	0	0
Thailand .....	683	34	39	15	7	17	18
Other .....	11,414	790	517	675	359	35	25
<b>Latin America</b> .....	<b>14,439</b>	<b>581</b>	<b>842</b>	<b>628</b>	<b>776</b>	<b>520</b>	<b>649</b>
Argentina .....	199	0	0	Negl.	Negl.	Negl.	Negl.
Bolivia .....	722	60	27	47	26	32	46
Brazil .....	2,422	21	54	17	15	6	4
Chile .....	1,143	7	4	10	96	83	33
Colombia .....	1,325	116	97	54	28	42	9
Dominican Republic .....	537	27	16	17	12	30	14
Ecuador .....	296	10	17	8	8	5	4
Guatemala .....	384	17	12	5	14	48	21
Mexico .....	286	Negl.	Negl.	Negl.	Negl.	1	1
Panama .....	379	34	16	28	21	31	16
Peru .....	489	44	9	17	16	24	23
Venezuela .....	201	7	2	3	2	1	Negl.
Other .....	6,056	238	588	422	538	217	478
<b>Middle East and South Asia</b> .....	<b>30,776</b>	<b>920</b>	<b>754</b>	<b>539</b>	<b>1,786</b>	<b>2,932</b>	<b>2,396</b>
Afghanistan .....	515	36	39	14	21	13	21
Bangladesh .....	1,119	286	161	80	304	219	145
Egypt .....	3,252	2	1	21	370	1,017	908
Greece .....	1,910	0	0	0	0	65	0
India .....	9,458	114	82	137	249	204	126
Iran .....	760	2	1	1	2	1	0
Israel .....	3,217	104	110	52	353	793	742
Jordan .....	1,145	59	71	64	99	148	84
Pakistan <sup>4</sup> .....	4,815	165	178	102	181	268	108
Turkey .....	2,704	67	23	6	4	0	Negl.
Other .....	1,881	85	88	62	203	204	262
<b>Europe and Oceania</b> .....	<b>2,351</b>	<b>97</b>	<b>80</b>	<b>88</b>	<b>95</b>	<b>195</b>	<b>263</b>
Spain .....	1,034	0	3	3	3	0	10
Other .....	1,317	97	77	85	92	195	253
<b>Interregional</b> .....	<b>14,609</b>	<b>544</b>	<b>927</b>	<b>1,150</b>	<b>1,180</b>	<b>1,318</b>	<b>1,522</b>

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

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

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

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

Table 72

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

	Million US \$					
	1955-77	1973	1974	1975	1976	1977 <sup>a</sup>
Total .....	50,284	5,735	4,203	4,635	5,407	6,787
Africa .....	725	18	28	32	94	117
Ethiopia .....	298	9	9	18	31	63
Libya .....	79	1	1	1	Negl.	0
Morocco .....	147	2	4	4	22	36
Tunisia .....	53	2	6	2	3	4
Zaire .....	63	1	1	1	4	8
Other .....	85	3	7	6	34	6
East Asia .....	22,330	4,761	1,868	2,008	729	659
Burma .....	84	Negl.	Negl.	Negl.	Negl.	Negl.
Malaysia .....	125	3	13	32	19	39
Philippines .....	574	16	24	21	46	48
South Korea .....	4,646	279	118	204	361	268
Taiwan .....	3,474	101	168	172	186	197
Thailand .....	893	89	45	52	69	54
Other .....	12,534	4,273	1,500	1,527	48	53
Latin America .....	2,073	82	92	140	211	184
Argentina .....	226	10	11	8	9	6
Brazil .....	540	25	26	43	77	15
Chile .....	259	3	7	13	40	57
Colombia .....	133	2	5	2	2	3
Ecuador .....	77	Negl.	Negl.	2	6	10
Peru .....	213	1	4	8	34	31
Uruguay .....	77	7	7	3	2	6
Venezuela .....	266	13	15	43	15	33
Other .....	282	21	17	18	26	23
Middle East and South Asia .....	23,581	785	2,146	2,393	4,179	5,722
Greece .....	2,233	49	113	139	237	253
India .....	191	1	1	3	10	10
Iran .....	7,256	261	545	962	1,575	2,368
Israel .....	5,008	212	1,028	704	919	1,081
Jordan .....	647	42	49	33	138	127
Pakistan .....	865	5	13	15	17	43
Saudi Arabia .....	3,863	92	273	362	1,128	1,657
Turkey .....	3,225	113	120	163	117	51
Other .....	293	10	4	12	38	132
Europe .....	1,555	89	89	82	194	105
Portugal .....	243	2	3	2	2	5
Spain .....	1,312	87	66	60	192	100

<sup>1</sup> Fiscal years. Including deliveries under the following programs: (a) Military Assistance Program grants under the various Mutual Security Acts; (b) Foreign Military Sales, which consist of US-financed arms, US-guaranteed private arms credits, and US-approved commercial sales; and (c) Excess Stock Sales, which involve surplus equipment that has been valued at 33 percent of the original acquisition value. The Military Assistance Service Funded program, designed to support non-US forces engaged in combat in Indochina, was provided directly from the US military budget and was not included in earlier reporting. US data exclude some \$700 million in naval equipment made available under the Ship Loan and Lease Program.

<sup>a</sup> Preliminary.



Table 73

## Communist Economic Aid to Less Developed Countries

Million US \$

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
<b>Total</b> .....	<b>24,841</b>	<b>12,295</b>	<b>12,932</b>	<b>7,150</b>	<b>7,420</b>	<b>2,885</b>	<b>4,490</b>	<b>2,280</b>
1954-67 .....	8,792	3,675	5,664	2,560	2,165	675	962	445
1968-77 .....	16,051	8,620	7,269	4,590	5,254	2,210	3,529	1,815
1968 .....	662	505	379	310	220	125	63	70
1969 .....	894	535	476	355	401	105	16	70
1970 .....	1,177	605	200	385	196	145	781	70
1971 .....	2,172	795	1,126	415	484	190	563	190
1972 .....	2,176	860	654	430	915	170	607	260
1973 .....	1,870	950	709	500	587	215	574	240
1974 .....	1,990	1,180	816	700	893	225	282	250
1975 .....	2,431	920	1,572	500	511	240	348	180
1976 .....	1,803	1,105	945	460	721	365	137	285
1977 .....	876	1,165	392	535	326	430	158	200

Table 74

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

Million US \$

	Total		USSR		Eastern Europe		China	
	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries	Agreements Concluded	Deliveries
<b>Total</b> .....	<b>29,280</b>	<b>23,865</b>	<b>26,050</b>	<b>21,035</b>	<b>2,420</b>	<b>2,130</b>	<b>810</b>	<b>700</b>
1955-67 .....	6,020	4,910	5,040	4,075	755	685	225	150
1968-77 .....	23,260	18,955	21,010	16,960	1,665	1,445	585	550
1968 .....	530	595	450	505	55	65	25	25
1969 .....	485	555	360	450	125	80	Negl.	25
1970 .....	1,265	1,105	1,150	995	50	80	65	30
1971 .....	1,790	1,045	1,590	865	120	120	80	60
1972 .....	1,865	1,360	1,635	1,215	150	70	80	75
1973 .....	2,965	3,330	2,810	3,130	130	120	25	80
1974 .....	4,690	2,490	4,125	2,315	480	150	85	25
1975 .....	2,265	2,090	2,010	1,775	215	230	40	85
1976 .....	3,195	2,815	2,890	2,445	160	290	145	80
1977 .....	4,210	3,570	3,990	3,265	180	240	40	65

Table 75

## Soviet Economic Aid Extended to Less Developed Countries

	Million US \$		
	1954-77	1976	1977
Total .....	12,932	945	392
Africa .....	1,840	369	21
Algeria .....	716	290	0
Angola .....	11	10	0
Benin .....	5	0	0
Cameroon .....	8	0	0
Central African Empire .....	2	0	0
Chad .....	2	0	0
Congo .....	14	0	0
Equatorial Guinea .....	1	0	0
Ethiopia .....	105	0	0
Ghana .....	94	0	1
Guinea .....	201	0	1
Guinea-Bissau .....	11	11	0
Kenya .....	48	0	0
Madagascar .....	13	0	0
Mali .....	89	0	0
Mauritania .....	5	0	0
Morocco .....	98	0	0
Mozambique .....	3	3	0
Niger .....	2	0	0
Nigeria .....	7	0	0
Rwanda .....	1	0	0
Senegal .....	8	0	0
Sierra Leone .....	28	0	0
Somalia .....	154	0	0
Sudan .....	64	0	0
Tanzania .....	40	0	19
Tunisia .....	82	55	0
Uganda .....	16	0	0
Upper Volta .....	6	0	0
Zambia .....	6	0	0
East Asia .....	156	0	0
Indonesia .....	114	0	0
Other .....	42	0	0
Latin America .....	938	0	30
Argentina .....	220	0	0
Bolivia .....	59	0	0
Brazil .....	88	0	0
Chile .....	238	0	0
Jamaica .....	30	0	30
Other .....	303	0	0
Middle East and South Asia .....	9,446	249	341
Afghanistan .....	1,263	0	0
Bangladesh .....	304	0	0
Egypt .....	1,440	0	0
India .....	2,283	0	340
Iran .....	805	0	0
Iraq .....	704	150	0
Jordan .....	25	25	0
North Yemen .....	105	0	0
Pakistan .....	652	0	0
Sri Lanka .....	100	0	0
Syria .....	517	50	0
Turkey .....	1,180	0	0
Other .....	68	24	1
Undistributed .....	552	327	0

Table 76

Soviet Economic Aid Extended to the Communist Countries<sup>1</sup>

Million US \$

	1954-77	1954-69	1970-77	1970	1971	1972	1973	1974	1975	1976	1977
Total .....	14,607	9,293	5,314	231	1,620	1,171	493	283	190	1,326	0
Eastern Europe .....	6,283	3,846	2,437	Negl.	1,111	0	0	0	0	1,326	0
Bulgaria .....	1,993	1,993	0	0	0	0	0	0	0	0	0
Czechoslovakia .....	14	14	0	0	0	0	0	0	0	0	0
East Germany .....	990	990	0	0	0	0	0	0	0	0	0
Hungary .....	348	348	0	0	0	0	0	0	0	0	0
Poland .....	2,815	378	2,437	0	1,111	0	0	0	0	1,326	0
Romania .....	123	123	0	Negl.	0	0	0	0	0	0	0
Far East .....	1,067	1,067	0	0	0	0	0	0	0	0	0
China .....	495	495	0	0	0	0	0	0	0	0	0
North Korea .....	118	118	0	0	0	0	0	0	0	0	0
Vietnam .....	454	454	0	0	0	0	0	0	0	0	0
Other .....	7,257	4,380	2,877	231	509	1,171	493	283	190	0	0
Albania .....	65	65	0	0	0	0	0	0	0	0	0
Cuba .....	4,735	2,398	2,337	231	509	631	493	283	190	0	0
Mongolia .....	1,609	1,609	0	0	0	0	0	0	0	0	0
Yugoslavia .....	848	308	540	0	0	540	0	0	0	0	0

<sup>1</sup> Excluding data for Eastern Europe prior to 1956 because war reparations, other assets, and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years; data are unavailable for North Korea and Vietnam after 1965 and for Mongolia after 1967; the data exclude Soviet sugar subsidy payments to Cuba. Because of the large trade deficits East European countries have had with the USSR in recent years, it is likely that there have been unpublicized credits

Table 77

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

Million US \$

	1955-77	1955-70	1971-77	1971	1972	1973	1974	1975 <sup>1</sup>	1976 <sup>1</sup>	1977 <sup>1</sup>
Total .....	92,795	30,430	62,365	3,430	6,540	10,390	8,255	8,680	11,370	13,700
Non-Communist Countries .....	68,320	23,265	45,055	2,385	5,175	7,040	5,755	6,475	8,250	9,975
United States <sup>2</sup> .....	50,265	18,070	32,195	1,455	3,975	5,735	4,205	4,635	5,405	6,785
Western Europe .....	14,830	4,425	10,405	805	1,010	1,100	1,270	1,360	2,250	2,610
United Kingdom .....	4,950	2,125	2,825	325	240	305	410	340	505	700
France .....	4,675	1,250	3,425	195	375	515	405	360	685	890
West Germany .....	2,525	460	2,065	155	220	105	185	320	530	550
Italy .....	1,380	225	1,155	65	85	95	190	185	270	265
Belgium .....	525	140	385	25	5	20	50	50	115	120
Switzerland .....	280	125	155	15	40	15	15	25	20	25
Netherlands .....	265	50	215	10	35	35	5	55	55	20
Spain .....	230	50	180	15	10	10	10	25	70	40
Other .....	3,225	770	2,455	125	190	205	280	480	595	580
Communist Countries .....	24,475	7,165	17,310	1,045	1,365	3,350	2,500	2,205	3,120	3,725
USSR .....	21,040	6,030	15,010	865	1,215	3,130	2,315	1,775	2,445	3,265
China .....	695	230	465	60	75	75	25	85	80	65
Eastern Europe .....	2,125	905	1,220	120	70	120	150	230	290	240
Other .....	615	N.A.	615	N.A.	5	25	10	115	305	155

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

<sup>2</sup> Preliminary.

<sup>3</sup> Data are for fiscal years. Until 1972 US Department of Defense data did not include the Military Assistance Service Funded (MASF) program. The sharp increase in exports beginning in 1972 is accounted for to some extent by the inclusion of this category of assistance.

Table 78

Chinese Economic Aid Extended to the Less  
Developed Countries

	Million US \$		
	1956-77	1976	1977
<b>Total</b> .....	<b>4,490</b>	<b>137</b>	<b>157</b>
<b>Africa</b> .....	<b>2,342</b>	<b>70</b>	<b>87</b>
Algeria .....	92	0	0
Benin .....	44	0	0
Botswana .....	3	3	0
Burundi .....	20	0	0
Cameroon .....	71	0	0
Central African Empire .....	14	10	0
Chad .....	50	0	0
Congo .....	50	0	0
Ethiopia .....	85	1	0
Gabon .....	25	0	0
Gambia .....	17	0	0
Ghana .....	42	0	0
Guinea .....	77	0	0
Guinea-Bissau .....	17	0	0
Kenya .....	17	0	0
Liberia .....	10	0	10
Madagascar .....	68	0	0
Mali .....	73	0	0
Mauritania .....	85	0	0
Mauritius .....	35	0	0
Morocco .....	32	0	0
Mozambique .....	59	0	0
Niger .....	51	0	0
Rwanda .....	22	0	0
Senegal .....	52	0	0
Sierra Leone .....	41	0	0
Somalia .....	132	0	0
Sudan .....	82	0	0
Tanzania .....	362	28	0
Togo .....	45	0	0
Tunisia .....	97	0	57
Uganda .....	15	0	0
Upper Volta .....	50	0	0
Zaire .....	100	0	0
Zambia .....	307	28	0
<b>East Asia</b> .....	<b>307</b>	<b>0</b>	<b>0</b>
Burma .....	84	0	0
Cambodia .....	92	0	0
Indonesia .....	105	0	0
Laos .....	26	0	0
<b>Latin America</b> .....	<b>153</b>	<b>1</b>	<b>0</b>
Chile .....	65	0	0
Cuyana .....	36	0	0
Jamaica .....	10	1	0
Peru .....	42	0	0
<b>Middle East and South Asia</b> .....	<b>1,474</b>	<b>28</b>	<b>50</b>
Afghanistan .....	76	0	0
Bangladesh .....	61	0	50
Egypt .....	134	0	0
Iraq .....	45	0	0
Nepal .....	180	0	0
North Yemen .....	107	25	0
Pakistan .....	573	0	0
South Yemen .....	79	0	0
Sri Lanka .....	158	3	0
Syria .....	61	0	0
<b>Europe</b> .....	<b>45</b>	<b>0</b>	<b>0</b>
Malta .....	45	0	0
<b>Undistributed</b> .....	<b>169</b>	<b>38</b>	<b>40</b>

Table 79

East European Economic Aid Extended to the Less  
Developed Countries

	Million US \$		
	1954-77	1976	1977
Total .....	7,420	721	326
Africa .....	1,490	171	123
Algeria .....	524	0	0
Angola .....	12	10	0
Congo .....	5	0	2
Ethiopia .....	42	0	23
Ghana .....	104	0	0
Guinea .....	110	0	0
Guinea-Bissau .....	3	0	0
Mali .....	23	0	0
Morocco .....	80	25	0
Mozambique .....	15	1	1
Nigeria .....	43	0	0
Senegal .....	35	35	0
Somalia .....	6	0	0
Sudan .....	216	0	62
Tanzania .....	13	0	0
Tunisia .....	209	100	35
Zambia .....	50	0	0
East Asia .....	346	5	0
Burma .....	26	0	0
Cambodia .....	17	0	0
Indonesia .....	263	0	0
Laos .....	4	0	0
Philippines .....	36	5	0
Latin America .....	1,339	155	78
Argentina .....	292	0	0
Bolivia .....	52	0	15
Brazil .....	420	100	0
Chile .....	145	0	0
Colombia .....	71	50	0
Costa Rica .....	2	0	0
Ecuador .....	19	0	0
Guyana .....	40	0	20
Jamaica .....	8	0	8
Mexico .....	35	0	35
Peru .....	214	0	0
Uruguay .....	31	5	0
Venezuela .....	10	0	0
Middle East and South Asia .....	3,954	260	104
Afghanistan .....	40	0	0
Bangladesh .....	159	0	0
Cyprus .....	5	5	0
Egypt .....	890	0	95
India .....	455	0	0
Iran .....	685	45	0
Iraq .....	443	0	0
Lebanon .....	9	0	0
North Yemen .....	13	0	0
Pakistan .....	124	10	6
South Yemen .....	24	0	3
Sri Lanka .....	73	0	0
Syria .....	804	0	0
Turkey .....	230	200	0
Undistributed .....	291	130	21

Table 80

Academic, Technical, and Military Trainees Departing from the Less Developed Countries for Training in Communist Countries<sup>1</sup>

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

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

Table 81

## Departures of Military Trainees from the Less Developed Countries to Communist Countries, 1955-77

	Total	USSR	Eastern Europe	China
Total .....	50,050	41,875	5,100	3,075
Africa .....	15,850	11,975	1,200	2,675
Algeria .....	2,275	2,050	200	25
Benin .....	25	25	0	0
Burundi .....	75	75	0	0
Cameroon .....	125	0	0	125
Congo .....	850	350	75	425
Equatorial Guinea .....	200	200	0	0
Ghana .....	175	175	0	0
Guinea .....	1,250	850	50	350
Guinea-Bissau .....	100	100	0	0
Libya .....	1,275	1,250	25	0
Mali .....	400	350	Negl.	50
Morocco .....	150	75	75	0
Nigeria .....	600	550	50	0
Sierra Leone .....	150	0	0	150
Somalia .....	2,575	2,400	150	25
Sudan .....	550	325	25	200
Tanzania .....	2,450	1,425	Negl.	1,025
Togo .....	50	0	0	50
Zaire .....	75	0	0	75
Zambia .....	125	75	0	50
Other .....	2,375	1,700	550	125
East Asia .....	9,300	7,600	1,700	0
Cambodia .....	25	25	0	0
Indonesia .....	9,275	7,575	1,700	0
Latin America .....	625	625	0	0
Peru .....	625	625	0	0
Middle East and South Asia .....	24,275	21,675	2,200	400
Afghanistan .....	4,025	3,725	300	0
Bangladesh .....	475	450	0	25
Egypt .....	6,250	5,675	575	0
India .....	2,250	2,175	75	0
Iran .....	325	325	0	0
Iraq .....	4,075	3,550	525	0
North Yemen .....	1,175	1,175	0	0
Pakistan .....	425	50	0	375
South Yemen .....	875	850	25	0
Sri Lanka .....	Negl.	Negl.	0	Negl.
Syria .....	4,350	3,650	700	0
Other .....	50	50	0	0

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

Table 82

Communist Economic Technicians<sup>1</sup> in Less Developed Countries, 1977

	Total	USSR and Eastern Europe	China	Cuba
Total .....	89,345	58,755	24,015	6,575
<b>Africa</b> .....	<b>61,510</b>	<b>34,290</b>	<b>21,320</b>	<b>5,900</b>
Algeria .....	6,465	6,200	250	15
Angola .....	4,710	700	10	4,000
Ethiopia .....	900	250	250	400
Ghana .....	155	105	50	0
Guinea .....	1,010	710	300	N.A.
Liberia .....	240	15	225	0
Libya .....	15,000	15,000	0	0
Mali .....	875	375	500	0
Mauritania .....	360	60	300	0
Somalia .....	4,080	1,050	3,000	30
Sudan .....	2,125	125	2,000	N.A.
Tanzania .....	1,365	165	1,000	200
Tunisia .....	700	650	50	0
Uganda .....	55	30	25	N.A.
Zambia .....	5,125	125	5,000	N.A.
Other and undistributed .....	18,345	8,730	8,360	1,255
<b>East Asia</b> .....	<b>255</b>	<b>125</b>	<b>130</b>	<b>0</b>
Burma .....	155	25	130	0
Indonesia .....	40	40	0	0
Other .....	60	60	0	0
<b>Latin America</b> .....	<b>1,300</b>	<b>830</b>	<b>135</b>	<b>335</b>
Bolivia .....	130	130	0	0
Jamaica .....	125	20	5	100
Peru .....	355	290	15	50
Other .....	690	390	115	185
<b>Middle East and South Asia</b> .....	<b>25,945</b>	<b>23,485</b>	<b>2,130</b>	<b>330</b>
Afghanistan .....	1,485	1,350	135	0
Bangladesh .....	145	125	20	0
Egypt .....	1,225	1,200	25	0
India .....	1,275	1,275	0	0
Iran .....	3,850	3,850	0	0
Iraq .....	6,300	6,100	200	0
Nepal .....	280	30	250	0
North Yemen .....	605	155	450	0
Pakistan .....	795	545	250	0
South Yemen .....	1,375	950	425	N.A.
Sri Lanka .....	450	150	300	N.A.
Syria .....	4,950	4,900	50	0
Turkey .....	1,175	1,175	0	0
Other and undistributed .....	2,035	1,680	25	330
<b>Europe</b> .....	<b>335</b>	<b>25</b>	<b>300</b>	<b>10</b>
Malta .....	335	25	300	10

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





**ENERGY**

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<b>TABLE</b>		<b>PAGE</b>
83	Primary Energy .....	81
84	Primary Energy Consumption .....	82
85	Primary Energy, by Type .....	83
86	Crude Oil, Natural Gas, and Coal Proved and Probable Reserves .....	84
87	Crude Oil Refining Capacity .....	85
88	Crude Oil .....	86
89	Crude Oil Consumption .....	87
90	Major Exporters of Oil .....	87
91	Major Importers of Oil .....	88
92	Oil Trade .....	88
93	Petroleum Products .....	89
94	Natural Gas .....	90
95	Hard Coal .....	91
96	Brown Coal and Lignite .....	92
97	Electricity .....	93
98	Electricity Generating Capacity .....	94
99	Nuclear Power Generating Capacity .....	95

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Table 83

Primary Energy Production <sup>1</sup>

Thousand Barrels Per Day of Oil Equivalent

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	21,143	24,918	30,801	30,392	30,911	30,867	30,214	29,788	29,548	29,678
Canada .....	1,750	2,539	3,709	3,957	4,459	4,942	4,893	4,678	4,585	4,774
Japan .....	1,017	1,106	1,028	996	936	780	866	874	923	959
Norway .....	158	255	298	330	381	403	427	590	721	671
European Community .....	6,920	7,240	7,170	7,440	7,400	7,700	7,780	8,160	8,470	8,700
Belgium <sup>2</sup> .....	31	274	161	156	151	129	120	141	154	151
France .....	1,082	1,115	1,026	948	926	860	875	899	819	829
Italy .....	395	423	490	484	505	502	504	510	522	490
Netherlands .....	216	233	648	838	1,077	1,278	1,503	1,616	1,731	1,576
United Kingdom .....	2,691	2,680	2,346	2,505	2,278	2,452	2,290	2,571	2,787	3,330
West Germany .....	2,503	2,521	2,495	2,509	2,461	2,476	2,487	2,418	2,456	2,321
<b>Other Countries</b>										
Iran .....	1,126	1,977	3,920	4,748	5,317	6,283	6,492	5,815	6,361	6,139
Kuwait .....	1,766	2,451	3,138	3,332	3,434	3,171	2,686	2,225	2,291	2,125
Saudi Arabia .....	1,405	2,313	3,929	4,907	6,153	7,763	8,717	7,313	8,877	9,543
<b>Communist Countries</b>										
USSR and Eastern Europe .....	13,200	17,600	22,100	23,400	24,200	25,300	26,600	28,000	29,400	30,500
USSR .....	9,278	13,205	17,019	17,866	18,648	19,559	20,758	21,929	23,192	24,315
Eastern Europe .....	3,890	4,360	5,130	5,500	5,590	5,710	5,840	6,040	6,240	6,200
Bulgaria .....	108	127	151	129	126	125	116	129	139	150
Czechoslovakia .....	750	753	905	953	948	916	932	960	943	950
East Germany .....	1,030	1,115	1,171	1,225	1,198	1,222	1,235	1,252	1,270	1,174
Hungary .....	207	254	277	274	269	283	280	274	289	293
Poland .....	1,308	1,441	1,758	1,988	2,072	2,150	2,219	2,342	2,437	2,496
Romania .....	483	666	866	925	974	1,016	1,054	1,086	1,157	1,137
<b>Far East</b>										
China .....	3,278	3,003	4,560	5,082	5,531	5,991	6,300	7,252	7,343	8,237
North Korea .....	N.A.	302	393	403	421	441	532	588	602	N.A.
<b>Other</b>										
Yugoslavia .....	217	297	334	360	378	379	410	419	455	467

<sup>1</sup> Data are not comparable with those presented in previous editions of the Handbook of Economic Statistics because of a revision in the methodology used to convert fuels to oil equivalent. Data are for coal, crude oil, natural gas, and hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

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

Table 84

Primary Energy Consumption<sup>1</sup>

Thousand Barrels per Day of Oil Equivalent

	1960	1965	1970	1971	1972	1973	1974	1975	1976
OECD									
United States .....	20,628	24,782	31,577	32,427	33,969	35,233	34,292	33,237	35,171
Canada .....	1,960	2,417	3,148	3,291	3,662	3,882	3,832	3,902	3,962
Japan .....	1,931	3,179	5,821	6,012	6,459	7,068	7,107	6,949	7,209
Norway .....	186	267	360	368	381	408	401	406	428
European Community									
Belgium <sup>2</sup> .....	588	751	971	963	1,043	1,093	1,065	973	1,032
France .....	1,840	2,364	3,080	3,220	3,372	3,781	3,669	3,450	3,663
Italy .....	1,058	1,617	2,479	2,466	2,664	2,796	2,793	2,669	2,839
Netherlands .....	487	735	1,156	1,196	1,394	1,468	1,408	1,392	1,526
United Kingdom .....	3,506	3,962	4,358	4,319	4,404	4,587	4,394	4,132	4,207
West Germany .....	2,960	3,762	4,798	4,844	5,080	5,390	5,266	4,902	5,480
Other Countries									
Iran .....	97	135	356	411	432	520	586	625	N.A.
Kuwait .....	49	93	92	106	115	118	119	122	N.A.
Saudi Arabia .....	20	35	90	100	105	125	145	175	N.A.
Communist Countries									
USSR and Eastern Europe									
USSR <sup>3</sup> .....	8,525	11,603	14,839	15,645	16,485	17,230	18,095	18,885	20,003
Eastern Europe									
Bulgaria .....	133	262	396	372	385	426	442	529	547
Czechoslovakia .....	762	870	1,134	1,229	1,233	1,267	1,306	1,298	1,364
East Germany .....	1,176	1,341	1,481	1,567	1,575	1,658	1,712	1,580	1,613
Hungary .....	260	359	435	442	437	476	496	525	535
Poland .....	1,191	1,265	1,635	1,781	1,858	1,936	1,938	2,030	2,162
Romania .....	360	550	834	907	962	1,049	1,091	1,113	1,197
Other									
Albania .....	6	8	18	20	21	21	22	22	N.A.
Yugoslavia .....	221	343	466	496	501	592	608	602	652

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

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

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

Table 85

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

Thousand Barrels Per Day of Oil Equivalent

	1965				1970				1977			
	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 .....	6,531	9,545	7,819	1,023	7,341	11,380	10,686	1,394	7,716	9,800	9,701	2,461
Canada .....	124	1,115	703	597	171	1,625	1,110	803	347	1,610	1,562	1,266
Japan .....	673	15	31	385	537	18	45	427	256	12	48	652
Norway .....	6	0	0	249	6	0	0	292	6	300	0	365
European Community												
Belgium * .....	268	0	0	6	154	0	1	6	99	0	0	55
France .....	706	80	87	236	523	68	118	317	330	40	129	340
Italy .....	9	46	134	234	9	30	227	224	5	19	236	230
Netherlands .....	155	50	28	0	59	43	544	2	0	35	1,521	20
United Kingdom .....	2,580	Negl.	4	158	1,992	Negl.	194	160	1,711	800	662	213
West Germany .....	2,234	161	48	78	1,999	152	224	120	1,772	112	301	194
Other Countries												
Iran .....	4	1,950	21	2	7	3,870	35	8	18	5,700	393	28
Kuwait .....	0	2,420	31	0	0	3,050	88	0	0	2,025	100	0
Saudi Arabia .....	0	2,295	18	0	0	3,890	39	0	0	9,415	128	0
<b>Communist Countries</b>												
USSR and Eastern Europe												
USSR .....	5,775	4,850	2,097	482	6,058	7,035	3,269	657	6,803	10,931	5,740	841
Eastern Europe												
Bulgaria .....	125	Negl.	1	1	125	7	8	11	98	2	Negl.	50
Czechoslovakia .....	706	4	14	29	862	4	18	21	910	2	15	23
East Germany .....	1,106	1	1	7	1,151	1	8	11	1,079	1	50	44
Hungary .....	200	36	18	Negl.	182	39	56	Negl.	142	44	106	1
Poland .....	1,407	7	21	6	1,659	8	81	10	2,366	9	109	12
Romania .....	75	263	322	6	125	268	460	13	146	293	661	37
Far East												
China .....	2,587	230	170	16	3,553	593	383	32	5,405	1,896	872	64
Other												
Yugoslavia .....	186	41	6	64	169	57	16	92	219	80	32	136

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

\* Including data for Luxembourg.

Table 86

Proved Reserves of Crude Oil, Natural Gas, and Coal, Yearend 1977<sup>1</sup>

	Crude Oil (Billion Barrels)	Natural Gas (Trillion Cubic Feet)	Coal (Million Metric Tons)
<b>OECD</b>			
United States .....	30	210	178,600
Canada .....	8	71	9,400
Norway .....	8	25	N.A.
<b>European Community</b>			
United Kingdom .....	20	46	45,000
West Germany .....	Negl.	7	34,400
<b>Other Countries</b>			
Abu Dhabi .....	31	20	0
Algeria .....	7	125	N.A.
Brazil .....	1	1	8,100
Ecuador .....	2	5	0
Egypt .....	4	3	Negl.
India .....	3	4	33,700
Indonesia .....	10	24	1,400
Iran .....	62	500	200
Iraq .....	34	28	0
Kuwait .....	67	32	0
Libya .....	25	26	0
Mexico .....	30	43	900
Nigeria .....	19	43	100
Oman .....	6	2	0
Qatar .....	6	40	0
Saudi Arabia .....	150	85	0
South Africa .....	0	0	26,900
Syria .....	2	3	0
Venezuela .....	14	41	1,000
<b>Communist Countries</b>			
<b>USSR and Eastern Europe</b>			
USSR .....	35	989	109,900
<b>Eastern Europe</b>			
Poland .....	Negl.	5	21,800
Romania .....	1	9	400
<b>Far East</b>			
China .....	20	25	98,900
<b>Other</b>			
North Korea .....	0	0	8,000
Yugoslavia .....	Negl.	2	8,500

<sup>1</sup> The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology. Data for the non-Communist countries exclude brown coal and lignite. Data for coal are expressed in terms of coal equivalent (7,000 kilocalories per kilogram).

Table 87

Crude Oil Refining Capacity  
1 January 1978

Thousand Barrels per Day

		Thousand Barrels per Day	
OECD	43,437.9	Other Countries	
United States	16,948.7	Argentina	655.2
Australia	708.5	Bahamas	500.0
Canada	2,129.3	Brazil	1,161.0
Japan	5,670.6	India	563.5
Spain	1,270.6	Mexico	1,283.5
European Community	16,810.2	Netherlands Antilles	842.0
Belgium	1,267.3	Singapore	917.7
France	3,455.6	Trinidad and Tobago	461.0
Italy	4,226.2	Virgin Islands	728.0
Netherlands	1,868.7	Communist Countries	
United Kingdom	2,911.0	USSR and Eastern Europe	10,810.0
West Germany	3,081.4	USSR	8,600.0
OPEC	4,808.4	Eastern Europe	2,210.0
Saudi Arabia	586.1	Bulgaria	260.0
Kuwait	712.0	Czechoslovakia	400.0
Libya	134.6	East Germany	410.0
Iraq	168.5	Hungary	250.0
Abu Dhabi	15.0	Poland	360.0
Algeria	122.4	Romania	530.0
Qatar	9.8	Far East	
Iran	910.5	China	1,700.0
Venezuela	1,445.5	North Korea	20.0
Nigeria	60.0	Other	
Indonesia	527.7	Cuba	125.0
Gabon	20.0	Yugoslavia	260.0
Ecuador	96.3		

Handwritten notes and calculations:

$$\begin{array}{r}
 18 \\
 50 \\
 41 \\
 73 \\
 \hline
 39
 \end{array}$$

Table 88

Crude Oil Production <sup>1</sup>

	Thousand Barrels per Day									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD <sup>2</sup>	7,560	9,010	11,500	11,700	11,800	11,700	11,200	10,700	10,700	11,300
United States	7,055	7,804	9,648	9,635	9,512	9,210	8,770	8,375	8,130	8,200
Canada	526	793	1,305	1,382	1,542	1,800	1,695	1,460	1,300	1,320
European Community	221	309	264	243	228	209	197	204	431	954
Other Countries										
Abu Dhabi	0	282	691	926	1,050	1,305	1,410	1,370	1,585	1,660
Algeria	183	544	976	656	1,022	1,070	960	960	990	1,040
Gabon	16	25	104	115	118	150	200	225	225	230
Indonesia	411	501	855	904	1,056	1,340	1,375	1,305	1,505	1,690
Iran	1,068	1,895	3,831	4,531	5,021	5,860	6,020	5,350	5,885	5,660
Iraq	1,004	1,311	1,563	1,720	1,446	2,020	1,970	2,260	2,415	2,330
Kuwait <sup>3</sup>	1,696	2,362	2,983	3,196	3,279	3,020	2,545	2,085	2,145	1,970
Libya	0	1,238	3,321	2,762	2,215	2,175	1,520	1,480	1,935	2,080
Mexico	271	328	420	434	441	450	575	715	800	980
Nigeria	17	263	1,090	1,526	1,818	2,055	2,255	1,785	2,070	2,100
Qatar	175	227	367	429	484	570	520	440	495	430
Saudi Arabia <sup>4</sup>	1,315	2,204	3,789	4,768	6,013	7,595	8,480	7,075	8,575	9,200
Venezuela	2,846	3,473	3,708	3,549	3,220	3,365	2,976	2,345	2,295	2,240
Communist Countries										
USSR and Eastern Europe	3,210	5,140	7,300	7,770	8,220	8,760	9,370	9,980	10,500	11,000
USSR	2,943	4,835	6,976	7,436	7,875	8,420	9,020	9,630	10,170	10,700
Eastern Europe	265	303	327	334	340	342	348	349	352	349
Bulgaria	4	5	7	6	5	4	3	2	2	2
Czechoslovakia	3	4	4	4	4	3	3	3	3	2
East Germany	N.A.	N.A.	1	1	1	1	1	1	1	1
Hungary	24	36	39	39	40	40	40	40	43	44
Poland	4	7	8	8	7	8	11	11	9	9
Romania	230	251	268	276	283	286	290	292	294	293
Far East										
China <sup>4</sup>	102	219	564	734	861	1,096	1,315	1,485	1,672	1,806
Other										
Albania	15	16	30	31	33	34	35	37	38	38
Cuba	1	1	3	2	2	3	2	3	3	3
Yugoslavia	19	42	57	59	64	68	69	74	78	80

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

<sup>2</sup> Including shale oil.

<sup>3</sup> Including about one-half of neutral zone production, which amounted to about 470,000 barrels per day in 1976.

<sup>4</sup> Including small quantities of synthetic crude oil.



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Table 89

## Crude Oil Consumption

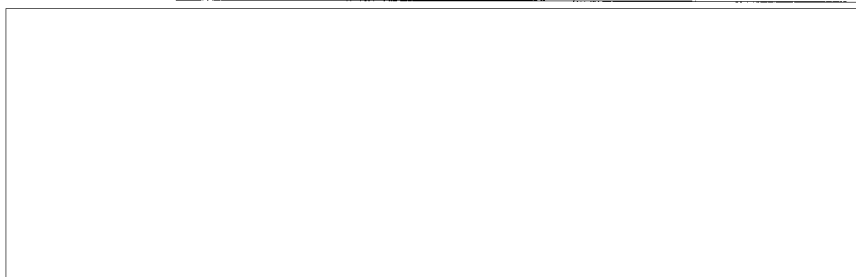
	Thousand Barrels per Day									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States .....	9,797	11,513	14,697	15,213	16,367	17,308	16,653	16,322	17,441	17,815
Japan .....	590	1,750	4,000	4,435	4,735	5,388	5,252	4,964	5,161	5,401
Canada .....	837	1,115	1,484	1,542	1,610	1,707	1,741	1,759	1,720	1,749
Western Europe .....	4,007	7,661	12,402	12,985	13,876	14,940	13,974	13,009	13,911	13,564
Belgium-Luxembourg .....										
Netherlands .....	420	835	1,290	1,290	1,425	1,469	1,289	1,170	1,317	1,279
France .....	579	1,117	1,949	2,122	2,350	2,559	2,549	2,107	2,398	2,286
Italy .....	475	1,042	1,760	1,897	1,993	2,093	2,076	1,917	1,993	1,893
Spain <sup>1</sup> .....	121	253	540	628	667	798	843	889	972	943
United Kingdom .....	975	1,473	2,030	2,050	2,176	2,326	2,147	1,872	1,850	1,869
West Germany .....	659	1,569	2,572	2,659	2,795	3,055	2,675	2,566	2,767	2,730
Other .....	778	1,372	2,261	2,339	2,470	2,640	2,395	2,488	2,614	2,564

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

Table 90

## Major Exporters of Crude Oil and Refined Products

	Thousand Barrels per Day							
	/1970	1971	1972	1973	1974	1975	1976	1977
Free World <sup>1</sup>								
Abu Dhabi .....	695	928	1,050	1,293	1,420	1,369	1,582	1,643
Algeria .....	985	693	1,007	1,000	938	940	985	N.A.
Indonesia .....	725	749	943	1,167	1,160	1,095	1,326	N.A.
Iran .....	3,519	4,173	4,675	5,424	5,532	4,886	5,213	4,930
Iraq .....	1,496	1,619	1,436	1,926	1,849	2,059	2,241	N.A.
Kuwait .....	2,831	3,009	3,136	2,847	2,396	1,944	2,106	1,970
Libya .....	3,312	2,747	2,214	2,174	1,490	1,431	1,847	N.A.
Nigeria .....	1,051	1,486	1,756	1,978	2,179	1,713	2,013	2,040
Saudi Arabia .....	3,564	4,481	5,764	7,346	8,244	6,932	8,422	9,270
Venezuela .....	3,465	3,282	3,065	3,150	2,752	2,086	2,132	1,985
Communist Countries								
USSR .....	1,920	2,110	2,140	2,380	2,340	2,600	2,970	3,200

<sup>1</sup> Excluding bunkers.

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Table 91

## Major Importers of Oil

	Thousand Barrels per Day							
	1970	1971	1972	1973	1974	1975	1976	1977
OECD								
United States .....	3,419	3,926	4,741	6,256	6,088	6,056	7,295	8,744
Canada .....	800	866	941	1,027	903	865	756	714
Japan .....	4,206	4,442	4,839	5,576	5,460	5,008	5,235	5,454
European Community								
France .....	2,146	2,333	2,557	2,875	2,742	2,278	2,598	2,514
Italy .....	2,345	2,426	2,485	2,669	2,516	2,121	2,268	2,290
United Kingdom .....	2,487	2,586	2,613	2,738	2,585	2,067	2,052	1,691
West Germany .....	2,676	2,764	2,880	3,046	2,796	2,509	2,809	2,768
Other Countries								
Brazil .....	380	456	515	751	728	731	837	N.A.
India .....	264	304	313	343	340	320	316	N.A.
Philippines .....	188	186	188	191	188	197	213	N.A.
Thailand .....	105	129	151	172	142	167	174	N.A.

Table 92

## OECD Imports of Crude Oil and Refined Products, 1977

	Thousand Barrels per Day													
	OECD	US <sup>1</sup>	Japan	Canada	Total	West Germany	France	United Kingdom	Italy	Netherlands	Spain	Other	Australia	New Zealand
Algeria .....	966	556	3	0	407	199	98	7	30	6	23	44	0	0
Bahrain .....	48	8	38	0	2	0	0	2	0	0	0	0	0	0
Egypt .....	53	28	0	0	25	2	5	18	0	0	0	0	0	0
Iraq .....	1,513	94	151	18	1,221	22	365	110	274	69	111	270	29	0
Kuwait .....	1,274	54	518	4	656	29	72	184	152	123	24	72	39	3
Libya .....	1,908	849	20	0	1,039	394	55	44	296	23	83	144	0	0
Qatar .....	302	97	38	0	160	19	63	33	17	11	0	17	7	0
Saudi Arabia .....	6,842	1,513	1,772	156	3,299	402	870	369	629	345	317	367	80	22
Syria .....	72	2	0	0	70	26	44	0	0	0	0	0	0	0
UAE .....	1,784	424	546	6	798	171	234	84	56	82	83	88	10	0
OAPEC .....	14,762	3,625	3,086	184	7,677	1,264	1,806	851	1,454	659	641	1,002	165	25
Ecuador .....	59	59	0	0	0	0	0	0	0	0	0	0	0	0
Gabon .....	116	57	0	0	59	8	38	0	2	0	5	6	0	0
Indonesia .....	1,308	566	721	0	20	14	0	0	0	2	0	4	1	0
Iran .....	3,708	799	870	118	1,885	315	189	259	293	273	245	311	17	19
Nigeria .....	1,860	1,237	0	4	619	180	157	27	7	183	0	65	0	0
Venezuela .....	1,339	891	7	287	153	20	17	21	29	4	20	42	1	0
OPEC <sup>2</sup> .....	22,979	7,196	4,646	593	10,316	1,773	2,158	1,138	1,785	1,121	911	1,430	184	44
Canada .....	0	454	0	0	0	0	0	0	0	0	0	0	1	0
Mexico .....	181	181	0	0	0	0	0	0	0	0	0	0	0	0
Other .....	4,048 <sup>3</sup>	834	770	120	2,693 <sup>3</sup>	967	307	533	505	240	103	2,313	59	33
<b>Total</b> .....	<b>27,381<sup>4</sup></b>	<b>8,703</b>	<b>5,454</b>	<b>713</b>	<b>13,108<sup>4</sup></b>	<b>2,768</b>	<b>2,514</b>	<b>1,891</b>	<b>2,290</b>	<b>1,361</b>	<b>1,014</b>	<b>3,745</b>	<b>244</b>	<b>77</b>
Consumption <sup>5</sup> .....	39,715	18,325	5,401	1,749	13,564	2,730	2,286	1,869	1,893	745	943	3,098	589	87

<sup>1</sup> Products traced to source of crude oil.<sup>2</sup> OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.<sup>3</sup> Other and unknown.<sup>4</sup> Because of intra-OECD trade, components do not add to the totals shown.<sup>5</sup> Including bunkers, refinery fuel, and losses.

Table 93

Petroleum Products Production<sup>1</sup>

	Million Barrels per Day									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	7.25	8.54	10.72	10.58	11.04	11.63	11.30	11.60	12.37	13.41
Canada .....	0.72	0.90	1.24	1.36	1.53	1.68	1.73	1.64	1.73	1.83
Japan .....	0.51	1.36	3.26	3.84	3.84	4.86	4.13	4.15	4.61	4.68
Spain .....	0.12	0.27	0.64	0.70	0.74	0.85	0.84	0.86	1.01	0.97
Sweden .....	0.06	0.08	0.23	0.22	0.22	0.21	0.20	0.23	0.29	0.29
European Community .....	3.05	5.87	9.90	9.98	10.9	11.7	11.2	9.68	10.6	10.6
Belgium .....	0.13	0.30	0.55	0.57	0.69	0.71	0.58	0.56	0.53	0.71
France .....	0.59	1.14	1.90	2.03	2.24	2.52	2.40	2.12	2.42	2.36
Italy .....	0.54	1.22	2.03	2.07	2.18	2.28	2.25	1.87	2.02	2.00
Netherlands .....	0.35	0.54	1.09	1.07	1.23	1.30	1.14	1.02	1.21	1.13
United Kingdom .....	0.82	1.21	1.89	1.96	1.98	2.11	2.19	1.85	1.93	1.84
West Germany .....	0.52	1.21	1.95	1.77	2.03	2.26	2.10	1.81	2.01	2.12
<b>Communist Countries<sup>2</sup></b>										
USSR and Eastern Europe .....	2.66	4.12	6.02	6.54	7.09	7.69	8.18	8.79	9.04	9.51
USSR .....	2.30	3.50	5.00	5.40	5.80	6.25	6.70	7.20	7.30	7.70
Eastern Europe .....	0.36	0.62	1.02	1.14	1.29	1.44	1.48	1.59	1.74	1.81
Bulgaria .....	Negl.	0.04	0.11	0.14	0.16	0.18	0.20	0.19	0.20	0.22
Czechoslovakia .....	0.04	0.11	0.18	0.22	0.23	0.26	0.27	0.29	0.31	0.33
East Germany .....	0.04	0.10	0.19	0.20	0.27	0.30	0.30	0.31	0.33	0.35
Hungary .....	0.05	0.07	0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.18
Poland .....	0.02	0.07	0.14	0.15	0.18	0.21	0.20	0.26	0.29	0.31
Romania .....	0.21	0.23	0.29	0.31	0.31	0.34	0.35	0.36	0.43	0.42
<b>Other</b>										
Cuba .....	N.A.	0.07	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12
Yugoslavia .....	0.03	0.06	0.14	0.17	0.17	0.18	0.21	0.21	0.22	0.25

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

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

Table 94

Natural Gas Production<sup>1</sup>

Billion Cubic Feet

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD <sup>2</sup>	13,600	18,200	27,100	28,700	30,100	31,100	30,700	29,500	29,800	29,400
United States <sup>3</sup>	12,701.64	16,039.75	21,920.64	22,493.01	22,531.70	22,647.55	21,600.52	20,108.66	19,952.44	19,900.00
Australia	Negl.	0.14	53.06 <sup>4</sup>	79.05 <sup>4</sup>	112.58 <sup>4</sup>	144.75 <sup>4</sup>	159.34 <sup>4</sup>	177.49 <sup>4</sup>	209.38 <sup>4</sup>	237.62 <sup>4</sup>
Canada	512.77	1,442.45	2,277.11	2,499.02	2,913.54	3,119.46	3,045.51	3,089.53	2,067.35	3,204.86
European Community	357	610	2,690	3,480	4,400	5,020	5,710	5,900	6,210	5,850
France	100.65	178.27	242.96	252.46	260.37	261.68	269.41	259.84	250.45	263.64
Italy	227.78	275.52	465.12	472.84	501.01	540.99	540.36	514.25	552.34	483.75
Netherlands	11.65	57.24	1,116.57	1,536.51	2,052.44	2,494.69	2,956.67	3,208.43	3,436.17	3,120.29
United Kingdom	Negl.	4.49	397.64	656.81	939.33	1,018.40	1,230.04	1,273.94	1,316.36	1,358.82
West Germany	15.89	98.10	459.82	555.19	636.68	705.90	713.20	639.41	658.05	618.05
Other Countries										
Argentina	48.73	149.11	212.45	228.12	218.35	237.63	255.75	271.64	259.00	264.80
Iran	33.55	43.42	71.23	298.96	447.91	701.68	787.36	771.06	793.74	806.99
Kuwait	33.20	63.36	180.40	157.05	181.64	186.04	186.89	183.79	197.12	204.62
Mexico <sup>5</sup>	221.78	249.84	481.11	478.55	496.02	541.77	560.91	583.89	577.93	556.08
Venezuela	162.80	249.82	348.63	368.23	387.72	459.94	475.97	450.30	479.81	466.37
Communist Countries <sup>6</sup>										
USSR and Eastern Europe	2,040	5,230	8,240	8,870	9,330	10,000	10,900	12,000	13,300	14,200
USSR <sup>3</sup>	1,599.76	4,508.63	6,990.19	7,500.84	7,818.32	8,345.92	9,201.24	10,216.54	11,321.89	12,218.92
Eastern Europe	436	719	1,250	1,370	1,510	1,660	1,710	1,800	1,950	1,950
Bulgaria	0	2.59	16.74	11.55	7.80	7.84	6.36	3.92	1.31	1.00
Czechoslovakia	50.96	34.08	42.52	43.15	41.07	36.80	34.47	32.81	34.68	36.22
East Germany	0.92	4.70	43.51	98.88	178.52	247.62	273.05	256.78	256.78	256.78
Hungary	12.08	39.13	122.51	130.84	145.14	170.25	180.14	183.00	214.78	233.01
Poland	19.11	46.33	175.69	182.36	197.80	205.21	195.22	203.98	229.47	249.92
Romania	352.44	592.33	847.20	904.23	937.68	988.99	1,018.90	1,114.88	1,216.10	1,172.32
Far East										
China	110.00	325.00	730.00	830.00	950.00	975.00	1,020.00	1,220.00	1,340.00	1,670.00
Other										
Yugoslavia	1.77	11.65	34.61	40.61	43.79	46.97	51.21	54.74	61.09	66.99

<sup>1</sup> Data include only gas from natural gas wells and associated gas from petroleum fields.<sup>2</sup> Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.<sup>3</sup> Data for the United States are in terms of net marketed production. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste), which would include gas returned to reservoirs in order to maintain horizon pressure, would be as follows (in billion cubic feet):

	1960	1965	1970	1971	1972	1973	1974	1975	1976
	14,514	17,657	23,786	24,068	24,016	24,067	22,850	21,103	20,944

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

<sup>4</sup> Twelve months ending 30 June of the stated year.<sup>5</sup> Including gas used for repressuring and gas wasted.<sup>6</sup> Gross production.

Table 95

Hard Coal Production<sup>1</sup>

Million Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD	923	992	981	926	926	913	896	952	975	974 <sup>*</sup>
United States	391.53	475.28	550.39	503.03	536.59	530.13	539.34	576.19	598.12	602.17
Australia	21.90	30.06	45.21 <sup>†</sup>	45.00 <sup>‡</sup>	54.57 <sup>‡</sup>	55.48 <sup>‡</sup>	57.97 <sup>‡</sup>	61.73 <sup>‡</sup>	68.86 <sup>‡</sup>	71.97 <sup>‡</sup>
Canada	8.02	8.64	11.60	13.73	15.81	16.82	17.78	21.71	22.20	23.20
Japan <sup>§</sup>	51.07	49.53	39.69	33.43	28.10	22.41	20.33	19.00	18.40	18.25
Spain	13.78	12.94	10.75	10.72	11.10	10.00	10.45	10.82	10.69	11.71
European Community	432	409	317	315	274	272	244	257	250	243
Belgium	22.47	19.79	11.36	10.96	10.50	8.84	8.11	7.48	7.24	7.01
France	55.96	51.35	37.84	33.90	30.57	26.35	24.04	23.65	23.30	22.68
United Kingdom <sup>¶</sup>	196.71	190.50	147.11	149.44	121.83	131.98	110.45	128.62	123.83	122.23
West Germany <sup>¶</sup>	143.26	135.46	116.34	116.43	107.76	102.99	100.89	96.76	95.89	90.90
Other Countries										
India	52.59	67.16	73.69	71.82	75.66	77.25	83.93	95.89	100.87	100.30
South Africa	38.17	48.46	54.61	58.67	58.44	62.35	65.02	69.44	75.73	85.57 <sup>~</sup>
South Korea	5.35	10.25	12.39	12.78	12.40	13.57	15.29	17.58	16.43	17.32
Communist Countries										
USSR and Eastern Europe	496	556	613	628	641	657	675	696	712	728
USSR	355.92	397.64	432.72	441.42	451.12	461.22	473.37	485.00 <sup>¶</sup>	494.00	503.00 <sup>¶</sup>
Eastern Europe	140	158	180	186	190	196	201	211	218	225
Bulgaria	0.57	0.55	0.40	0.39	0.38	0.35	0.31	0.33	0.30	0.29
Czechoslovakia	26.40	27.76	28.20	28.82	27.92	27.78	27.97	28.12	28.27	27.96
East Germany	2.72	2.21	1.05	0.86	0.82	0.75	0.59	0.54	0.46	0.35
Hungary	2.85	4.36	4.15	3.94	3.67	3.41	3.21	3.02	2.93	2.93
Poland	104.44	118.83	140.10	145.49	150.70	156.63	162.00	171.62	179.30	186.11
Romania	3.40	4.66	6.40	6.79	6.61	7.17	7.11	7.32	7.11	7.37
Far East										
China <sup>*</sup>	280.00	240.00	338.40	365.47	389.16	411.43	416.53	480.00	463.29	518.88
North Korea	6.80	12.30	20.00	21.10	22.10	23.30	25.80	29.60	31.20	N.A.
Other										
Yugoslavia	1.28	1.17	0.64	0.71	0.60	0.58	0.58	0.60	0.59	0.51

<sup>1</sup> Unless otherwise indicated, data are for net production of anthracite and bituminous coal.<sup>†</sup> Twelve months ending 30 June of the stated year.<sup>‡</sup> Including brown coal.<sup>§</sup> Excluding data for Northern Ireland.<sup>¶</sup> Including low-quality coal at its hard-coal equivalent.<sup>~</sup> Including a negligible amount of brown coal.

*Low coal coal - footnotes*

Table 96

## Brown Coal and Lignite Production

Million Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>111</b>	<b>155</b>	<b>167</b>	<b>166</b>	<b>176</b>	<b>190</b>	<b>202</b>	<b>211</b>	<b>237</b>	<b>232</b>
United States .....	2.49	4.56	7.21	7.61	9.98	12.88	14.06	17.69	23.22	28.12
Australia .....	15.21	20.99	24.31 <sup>1</sup>	23.18 <sup>1</sup>	23.63 <sup>1</sup>	24.12 <sup>1</sup>	26.26 <sup>1</sup>	28.18 <sup>1</sup>	30.94 <sup>1</sup>	30.94
Austria .....	5.97	5.45	3.67	3.77	3.76	3.63	3.63	3.40	3.22	3.13
Canada .....	1.97	1.87	3.46	2.99	2.98	3.65	3.48	3.55	4.68	5.48
Greece .....	2.49	5.09	7.68	10.89	11.32	13.12	14.26	17.91	22.57	23.40
New Zealand .....	2.25	2.03	1.94	1.74	1.80	2.05	2.14	1.96	1.99	2.00
Spain .....	1.76	2.77	2.83	3.08	3.07	3.00	2.88	3.38	4.12	5.78
Turkey .....	1.91	3.09	4.44	4.22	5.49	5.73	5.78	6.44	7.47	7.08
European Community .....	<b>102</b>	<b>108</b>	<b>112</b>	<b>109</b>	<b>114</b>	<b>123</b>	<b>130</b>	<b>128</b>	<b>139</b>	<b>127</b>
France .....	2.28	2.69	2.78	2.75	2.96	2.76	2.79	3.19	3.13	2.99
West Germany .....	96.22	101.91	107.77	104.48	110.42	118.66	126.04	123.38	134.53	122.92
<b>Other Countries</b> .....										
India .....	0.05	2.30	3.54	3.66	3.07	3.30	3.01	2.82	3.90	3.62
<b>Communist Countries</b> .....										
USSR and Eastern Europe <sup>2</sup> .....	<b>469</b>	<b>550</b>	<b>587</b>	<b>596</b>	<b>590</b>	<b>588</b>	<b>589</b>	<b>602</b>	<b>602</b>	<b>615</b>
USSR .....	134.21	147.44	144.74	150.13	152.47	153.47	157.18	160.00	160.00	160.00
Eastern Europe .....	<b>335</b>	<b>403</b>	<b>442</b>	<b>445</b>	<b>437</b>	<b>434</b>	<b>432</b>	<b>442</b>	<b>442</b>	<b>455</b>
Bulgaria .....	15.42	24.49	28.85	26.62	26.89	26.46	24.00	27.52	25.18	24.86
Czechoslovakia .....	57.89	72.33	81.29	84.16	84.93	81.25	82.16	86.27	89.47	93.24
East Germany .....	225.47	250.84	261.48	262.81	248.42	246.25	243.47	246.71	246.90	253.70
Hungary .....	23.68	27.08	23.68	23.48	22.17	23.37	22.55	21.87	22.32	22.53
Poland .....	9.33	22.63	32.77	34.52	38.22	39.22	39.83	39.87	39.30	40.76
Romania .....	3.36	5.63	14.13	13.81	16.55	17.68	19.79	19.77	18.73	19.42
Far East <sup>3</sup> .....										
North Korea <sup>4</sup> .....	3.80	5.50	7.50	7.40	7.40	7.40	7.70	8.40	8.30	N.A.
Other .....										
Yugoslavia .....	21.43	28.79	27.78	30.20	30.34	31.87	31.87	34.94	36.26	38.57

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

16 February 1979

## USSR: Major Economic Indicators

	USSR												United States 1977
	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978 <sup>1</sup>	
Gross national product (billion 1977 US\$) .....	347.6	463.7	602.6	793.7	826.4	843.8	899.8	942.2	963.2	1,001.1	1,034.3	1,067.4	1,887.2
Population, midyear (million persons) .....	196.2	214.3	230.9	242.8	245.1	247.5	249.7	252.1	254.4	256.7	258.9	261.4	216.8
Per capita gross national product (1977 US\$) .....	1,772	2,164	2,610	3,269	3,372	3,409	3,604	3,737	3,786	3,900	3,995	4,083	8,705
Industrial production index (1970=100) .....	33.6	53.6	73.6	100.0	106.9	112.0	119.0	126.5	133.5	138.4	144.1	149.2	127.2
Net agricultural production index (1970=100) .....	55.5	68.9	80.4	100.0	100.1	93.5	107.6	106.2	97.2	104.7	108.3	111.3	120.0
Bread grains (million tons) .....	65.3	60.4	64.0	92.4	93.3	78.5	94.4	81.6	62.2	91.0	83.1	110.2	60.6
Feed grains (million tons) .....	38.4	32.7	36.0	57.6	54.8	56.1	75.6	74.9	49.9	88.0	73.4	78.2	203.8
Potatoes (million tons) .....	71.8	84.4	88.7	96.8	92.7	78.3	108.2	81.0	88.7	85.1	83.7	85.9	15.9
Meat (million tons) .....	5.8	8.7	10.0	12.3	13.3	13.7	13.5	14.6	15.0	13.6	14.7	15.2	25.3
Total labor force including military (million persons) .....	105.0	110.1	116.5	125.6	127.7	129.7	131.6	133.6	135.7	138.0	140.2	142.3	99.5
Nonagricultural (million persons) .....	55.6	64.7	76.5	88.1	90.7	93.3	95.7	98.2	100.9	103.7	106.4	109.0	96.3
Agricultural (million persons) .....	49.4	45.4	40.0	37.5	37.0	36.4	35.9	35.4	34.8	34.3	33.8	33.3	3.2
Total investment index (1970=100) .....	31.9	51.9	73.4	100.0	104.7	108.9	118.4	126.8	133.4	143.8	151.4	158.5	124.6
Per capita consumption index (1970=100) .....	57.3	70.4	79.8	100.0	103.6	104.8	109.6	113.1	117.1	119.0	122.9	125.5	121.2
Crude oil production (thousand b/d) .....	1,416	2,943	4,835	6,976	7,436	7,875	8,420	9,020	9,630	10,170	10,700	11,428	8,200
Natural gas (billion cubic feet) .....	318	1,600	4,509	6,990	7,501	7,818	8,346	9,201	10,215	11,322	12,219	13,140	19,900
Electric power (billion kWh) .....	170	292	507	741	800	857	915	976	1,039	1,111	1,150	1,202	2,267
Petroleum products (million b/d) .....	1.2	2.3	3.5	5.0	5.4	5.8	6.2	6.7	7.2	7.3	7.7	7.9	13.4
Coal (million tons) .....	390	510	578	624	641	655	668	685	701	712	722	724	632
Primary energy production (thousand b/d oil equivalent) .....	5,920	9,278	13,205	17,019	17,866	18,648	19,559	20,758	21,929	23,192	24,315	25,370	29,678
Crude steel (million tons) .....	45.3	65.3	91.0	115.9	120.7	125.6	131.5	136.2	141.3	144.7	146.7	151.0	113.2
Cement (million tons) .....	22.5	45.5	72.4	95.2	100.3	104.3	109.5	115.1	122.1	124.2	127.0	127.0	73.1
Aluminum (million tons) .....	0.43	0.63	1.00	1.70	1.80	1.95	2.10	2.30	2.43	2.50	2.55	NA	4.12
Bauxite (million tons) .....	2.7	3.1	4.3	5.4	5.7	6.0	6.3	6.5	6.6	6.7	6.7	NA	2.0
Copper, refined (million tons) .....	0.38	0.48	0.70	1.01	1.09	1.15	1.20	1.25	1.32	1.35	1.40	NA	1.68
Chromite (million tons) .....	0.3	1.2	2.5	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.5	NA	0
Manganese ore (million tons) .....	4.7	5.9	7.6	8.8	7.3	7.8	8.2	8.2	8.5	8.6	8.6	NA	0
Iron ore (million tons) .....	71.9	105.9	153.4	195.5	203.0	208.1	216.1	224.8	232.8	239.1	239.7	244.0	56.6

Footnotes at end of table.

(Continued)



16 February 1979

## USSR: Major Economic Indicators (Continued)

	USSR												United States 1977
	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978 <sup>1</sup>	
Nickel, refined (thousand tons) .....	46	72	100	137	148	156	175	200	210	215	220	NA	35.2
Automobiles (thousand units) .....	108	139	201	344	529	730	917	1,119	1,201	1,239	1,280	1,312	9,199
Trucks, including buses (thousand units) .....	338	501	415	572	614	649	685	727	763	786	808	839	3,440
Electric generators (thousand kilowatts) .....	4,526	7,990	14,390	10,578	12,634	13,700	16,500	16,000	17,100	16,600	18,100	18,200	30,222
Machine tools, metalcutting (thousand units) .....	117.1	155.9	186.1	202.2	207.2	211.4	213.8	225.6	231.3	233.0	236.0	236.0	1.8 bil US\$
Instruments (million 1967 rubles) .....	268	759	1,280	2,364	2,610	2,960	3,356	3,798	4,259	4,744	5,297	5,986	NA
Computers (million 1967 rubles) .....		55	138	710	905	1,213	1,699	2,221	2,935	3,462	4,289	5,042	10.1 bil US\$
Refrigerators (thousand units) .....	151	530	1,675	4,140	4,557	5,030	5,423	5,426	5,579	5,827	5,798	6,100	5,707
Washing machines (thousand units) .....	87	895	3,430	5,243	4,052	3,001	2,987	3,075	3,286	3,510	3,647	3,700	4,933
Radios (thousand units) .....	3,549	4,165	5,160	7,815	8,794	8,842	8,615	8,753	8,376	8,456	8,652	8,700	52,926
Television sets (thousand units) .....	495	1,726	3,655	6,682	5,817	5,980	6,271	6,569	6,960	7,063	7,073	7,200	15,432
Vacuum cleaners (thousand units) .....	131	501	800	1,509	1,738	2,168	2,658	3,319	2,920	2,661	2,748	NA	9,392
Sewing machines (thousand units) .....	1,611	3,096	800	1,400	1,408	1,439	1,400	1,366	1,360	1,358	1,360	NA	NA
Gold production (thousand troy ounces) .....	2,970	3,540	4,950	6,400	6,660	7,170	7,720	7,970	8,200	8,390	8,680	8,841	1,100
Imports (million US\$) f.o.b. ....	3,061	5,623	8,050	11,720	12,467	16,104	20,980	24,861	37,070	38,212	40,914	NA	147,685
Exports (million US\$) f.o.b. ....	3,427	5,558	8,166	12,787	13,792	15,409	21,332	27,374	33,401	37,269	45,209	NA	121,150
Housing construction (million square meters) .....	NA	109.6	97.6	106.0	107.6	106.7	110.5	110.1	109.9	106.2	109.5	109.0	213.1
Railroad freight (billion tkm) .....	970.9	1,504.3	1,950.2	2,494.7	2,637.3	2,760.8	2,958.3	3,097.7	3,236.5	3,295.4	3,331.4	3,426.0	1,213.2
Motor vehicle transport (billion tkm) .....	42.5	98.5	143.1	220.8	240.4	258.1	283.8	312.5	338.0	355.1	380.0	402.8	920.0
Sulfuric acid (thousand tons) .....	3,798	5,398	8,518	12,059	12,775	13,685	14,855	16,633	18,645	20,015	21,100	22,400	31,204
Mineral fertilizer (nutrient content; thousand tons) <sup>2</sup> .....	2,299	3,281	7,389	13,099	14,670	15,931	17,429	19,352	21,988	22,590	23,540	23,800	19,265
Plastics (thousand tons) <sup>3</sup> .....	160	312	803	1,673	1,864	2,042	2,320	2,493	2,842	3,058	3,309	3,500	12,000

<sup>1</sup> Preliminary.<sup>2</sup> US data in fertilizer years.<sup>3</sup> Soviet data include resins for manmade fibers.

STAT

General

1 Barrel Oil Equivalent = 5.62 million BTU (1976 OECD consumption weights)  
 1 billion kilowatt-hours per year primary electricity<sup>2</sup>=  
     5,041 b/d oil equivalent (net)<sup>3</sup>  
     4,784 b/d oil equivalent (gross)<sup>3</sup>

United States

1 cubic foot natural gas = 1,021 BTU  
 1 short (net) ton bituminous/lignite coal = 23 million BTU  
 1 short (net) ton anthracite coal = 25.4 million BTU

Western Europe

1 metric ton crude oil = 7.3 barrels  
 1 metric ton liquefied petroleum gas = 11.8 barrels  
 1 metric ton natural gas liquids (NGL) = 10.92 barrels  
 1 metric ton aviation gasoline = 8.9 barrels  
 1 metric ton motor gasoline = 8.53 barrels  
 1 metric ton jet fuel = 7.93 barrels  
 1 metric ton kerosene = 7.73 barrels  
 1 metric ton gas oil/diesel oil = 7.46 barrels  
 1 metric ton residual fuel oil = 6.66 barrels  
 1 metric ton hard coal (production) = 27.8 (1973 weights)  
 1 metric ton hard coal (trade) = 24.4 million BTU (1973 weights)  
 1 metric ton lignite coal = 8.2 million BTU (1973 weights)

Japan

1 metric ton liquefied petroleum gas = 11.65 barrels  
 1 cubic foot natural gas (production) = 1,102 BTU  
 1 metric ton liquefied natural gas (LNG) = 52,890 cubic feet  
 1 cubic foot natural gas (imported) = 1,010 BTU  
 1 metric ton hard coal (production) = 21.2 million BTU  
 1 metric ton hard coal (trade) = 30.6 million BTU  
 1 metric ton lignite coal (production) = 14.8 million BTU

Canada

1 cubic foot natural gas = 1,000 BTU  
 1 short ton bituminous coal (production) = 25.2 million BTU  
 1 short ton subbituminous coal (production) = 17 million BTU  
 1 short ton lignite coal (production) = 13.2 million BTU  
 1 short ton coal (trade) = appropriate US factors

1. Only those conversion factors requiring assumptions of fuel heat values are shown. Data originally reported in barrels (US and Canadian oil production/consumption) or other volumetric units (Japanese oil production/consumption except LPG) have not been adjusted for heat content. Data reported in other energy units (West European natural gas production/consumption in teracalories) have been converted with standard unit definitions.

2. Hydroelectric, nuclear, and geothermal.

3. Assumes a heat rate of 10,340 BTU per kilowatt-hour (net) and 9,820 BTU per kilowatt-hour (gross), a so-called thermal

**Page Denied**

30 January 1979

## China: Major Economic Indicators

	GNP (Billion 1977 US \$)	Population Midyear (Million)	Population Increase (Percent)	GNP Per Capita (1977 US \$)	China's Exports, f.o.b. (Billion US \$)	China's Imports, c.i.f. (Billion US \$)	Trade Balance (Billion US \$)	Trade With Communist Countries (Percent)	US Exports to China, f.a.s. (Million US \$)	US Imports From China, f.o.b. (Million US \$)
1949-52, Rehabilitation:										
1949 .....	54	538	1.20	101	0.4	0.4	Negl	Negl	136	123
1950 .....	67	547	1.35	122	0.6	0.6	Negl	29	68	161
1951 .....	78	558	1.51	139	0.8	1.1	-0.3	51	0	52
1952 .....	92	570	1.80	162	0.9	1.0	-0.1	70	0	30
1953-57, First Five-Year Plan:										
1953 .....	98	583	2.25	168	1.0	1.3	-0.2	68	0	11
1954 .....	102	596	2.31	172	1.1	1.3	-0.2	74	0	0
1955 .....	112	610	2.39	183	1.4	1.7	-0.3	74	0	0
1956 .....	121	625	2.43	193	1.6	1.5	0.2	66	0	0
1957 .....	128	640	2.36	201	1.6	1.4	0.2	64	0	0
1958-60, Great Leap Forward:										
1958 .....	153	655	2.26	233	1.9	1.8	0.1	63	0	0
1959 .....	145	670	2.14	217	2.2	2.1	0.2	69	0	0
1960 .....	141	683	1.82	206	2.0	2.0	-0.1	66	0	0
1961-65, Readjustment and Recovery:										
1961 .....	112	695	1.53	161	1.5	1.5	Negl	56	0	0
1962 .....	122	707	2.01	173	1.5	1.2	0.4	53	0	0
1963 .....	137	722	2.12	190	1.6	1.2	0.4	45	0	0
1964 .....	153	737	2.17	207	1.8	1.5	0.3	34	0	0
1965 .....	172	754	2.26	228	2.0	1.8	0.2	30	0	0
1966-70, Cultural Revolution and 1970:										
1966 .....	196	771	2.22	254	2.2	2.0	0.2	26	0	0
1967 .....	188	789	2.30	238	2.0	2.0	Negl	21	0	0
1968 .....	189	807	2.35	234	2.0	1.8	0.1	22	0	0
1969 .....	210	827	2.39	254	2.1	1.8	0.2	20	0	0
1970 .....	244	847	2.38	288	2.1	2.2	-0.2	20	0	0
1971-75, Fourth Five-Year Plan:										
1971 .....	261	867	2.31	301	2.5	2.3	0.2	23	0	5
1972 .....	273	886	2.20	308	3.2	2.8	0.3	21	63	32
1973 .....	308	906	2.10	341	5.1	5.2	-0.2	17	690	64
1974 .....	320	924	2.00	346	6.7	7.4	-0.8	17	819	115
1975 .....	342	943	1.98	363	7.2	7.4	-0.2	16	304	158
1976-85, 10-Year Plan:										
1976 .....	342	962	1.98	355	7.3	6.0	1.3	18	135	201
1977 .....	370	983	2.26	377	8.0	7.1	0.9	17	171	203
1978 (preliminary) .....	407	1,004	2.04	405	10.2	10.6	-0.4	15	800	325

(Continued)

30 January 1979

## China: Major Economic Indicators (Continued)

	Production					Production				
	Agricultural Production (Index: 1957=100)	Grain (Million Tons)	Grain Per Capita <sup>1</sup> (Kilograms)	Cotton (Million Tons)	Industrial Production (Index: 1957=100)	Coal (Million Tons)	Electric Power (Billion Kilowatt-hours)	Crude Oil (Million Tons)	Crude Steel (Million Tons)	Cotton Cloth (Billion Linear Meters)
<b>1949-52, Rehabilitation:</b>										
1949 .....	54	111	205	0.4	20	32.43	4.3	0.1	0.16	1.9
1950 .....	64	130	235	0.7	27	42.92	4.6	0.2	0.61	2.5
1951 .....	72	141	250	1.0	38	53.09	5.8	0.3	0.90	3.1
1952 .....	84	161	280	1.3	48	66.49	7.3	0.4	1.35	3.8
<b>1953-57, First Five-Year Plan:</b>										
1953 .....	84	164	278	1.2	61	69.68	9.2	0.6	1.77	4.7
1954 .....	84	166	275	1.1	70	83.66	11.0	0.8	2.22	5.2
1955 .....	94	180	292	1.5	73	98.30	12.3	1.0	2.85	4.4
1956 .....	97	188	297	1.4	88	110.36	16.6	1.2	4.46	5.8
1957 .....	100	191	295	1.6	100	130.73	19.3	1.5	5.35	5.0
<b>1958-60, Great Leap Forward:</b>										
1958 .....	107	206	311	1.7	142	230	28	2.3	11.08	5.7
1959 .....	83	171	253	1.2	173	300	42	3.7	13.86	NA
1960 .....	74	156	226	0.9	181	280	47	5.1	18.66	NA
<b>1961-65, Readjustment and Recovery:</b>										
1961 .....	78	168	240	0.8	105	170	31	5.2	8	NA
1962 .....	87	180	252	0.7	111	185	30	5.7	8	NA
1963 .....	93	190	260	0.9	134	200	33	6.4	8	NA
1964 .....	98	194	260	1.2	161	215	36	8.7	9.6	NA
1965 .....	101	194	254	1.6	199	232.2	42	11.0	12.2	5.7
<b>1966-70, Cultural Revolution and 1970:</b>										
1966 .....	112	215	276	1.8	232	271.4	50	14.1	15	NA
1967 .....	118	225	282	2.0	202	190	45	13.9	10	NA
1968 .....	110	210	257	1.8	221	235.8	50	15.2	9	NA
1969 .....	112	215	257	1.8	266	281.6	60	20.4	16	NA
1970 .....	126	243	284	2.0	316	327.4	72	28.2	17.8	8.5
<b>1971-75, Fourth Five-Year Plan:</b>										
1971 .....	130	246	281	2.2	349	353.6	86	36.7	21	NA
1972 .....	126	240	268	2.1	385	376.5	93	43.1	23	NA
1973 .....	142	266	291	2.6	436	398.1	101	54.8	25	NA
1974 .....	146	275	295	2.5	455	410.6	108	65.8	21	NA
1975 .....	148	284	298	2.4	502	479.6	121	74.3	24	9.6
<b>1976-85, 10-Year Plan:</b>										
1976 .....	148	285	293	2.3	502	488	128	83.6	20.5	8.9
1977 .....	146	286	288	2.0	572	546.6	141	90.3	23.7	10.0
1978 (preliminary) .....	151	295	291	2.2	646	605	162	100.3	31.7	11.1

<sup>1</sup> Derived by use of yearend population figures.

STAT

Table 97

Electricity Production<sup>1</sup>

Billion Kilowatt-Hours

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD<sup>2</sup></b>	<b>1,710</b>	<b>2,430</b>	<b>3,510</b>	<b>3,710</b>	<b>4,000</b>	<b>4,300</b>	<b>4,340</b>	<b>4,390</b>	<b>4,590</b>	<b>4,780</b>
United States	893.72	1,229.64	1,742.73	1,826.55	1,972.16	2,081.23	2,086.28	2,131.00	2,169.73	2,267.42
Of which: Hydro	149.12	196.98	250.70	269.58	276.12	271.60	304.50	303.15	283.71	220.44
Australia	23.20	36.91	53.89	57.98	60.89	64.80	69.74	73.93	76.60	82.46
Canada	115.10	146.32	208.34	220.65	244.75	268.64	285.48	277.91	298.22	321.78
Japan	111.49	188.38	350.59	379.12	414.29	468.72	462.78	470.00	509.68	538.84
Norway	31.14	48.95	57.61	63.56	67.62	73.06	76.70	77.48	82.20	72.49
Spain	18.61	31.72	56.49	62.52	68.90	76.27	80.86	82.38	90.82	93.71
Sweden	34.72	49.11	60.64	66.55	71.68	78.08	75.13	80.57	86.41	89.42
European Community	423	618	856	903	963	1,030	1,050	1,030	1,120	1,140
Belgium	15.15	21.71	30.52	33.26	37.46	41.07	42.76	41.06	47.35	47.10
France	75.01	105.58	147.04	156.55	172.31	184.04	189.71	187.45	205.43	212.76
Italy	56.24	82.97	117.42	124.86	135.26	145.52	148.90	147.34	163.55	166.57
Netherlands	16.52	25.01	40.86	44.90	49.55	52.63	55.35	54.26	58.14	58.30
United Kingdom	136.97	196.50	249.19	256.59	263.74	282.05	273.32	272.09	276.97	283.48
West Germany	116.42	172.34	242.61	259.63	274.77	299.00	311.71	301.80	333.65	335.32
<b>Communist Countries</b>										
USSR and Eastern Europe	406	677	987	1,060	1,140	1,220	1,290	1,380	1,480	1,530
USSR	292.27	506.67	740.93	800.36	857.44	914.61	975.75	1,038.61	1,111.42	1,150.00
Of which: Hydro	50.91	81.43	124.38	126.10	122.90	122.34	132.03	125.99	135.74	146.00
Eastern Europe	114	170	246	262	283	301	319	340	364	381
Bulgaria	4.66	10.24	19.51	21.02	22.27	21.95	22.81	25.23	27.70	29.69
Czechoslovakia	24.46	34.19	45.16	47.24	51.40	53.47	56.03	59.28	62.75	66.37
East Germany	40.30	53.61	67.65	69.42	72.83	76.91	80.29	84.51	89.15	92.40
Hungary	7.62	11.18	14.54	14.99	16.32	17.64	18.98	20.46	22.05	23.40
Poland	29.26	43.77	64.52	69.86	76.45	84.27	91.60	97.14	104.10	109.40
Romania	7.65	17.22	35.09	39.45	43.44	46.78	49.06	53.72	58.27	59.85
Far East										
China	47.00	42.00	72.00	86.00	93.00	101.00	109.00	121.00	128.00	141.00
North Korea	9.14	13.40	16.50	17.00	18.00	19.60	22.00	22.00	22.00	N. A.
<b>Other</b>										
Albania	0.19	0.34	0.96	1.08	1.25	1.55	1.65	1.74	N. A.	N. A.
Cuba	2.90	3.56	4.89	5.02	5.26	5.60	6.02	6.50	6.50	6.56
Yugoslavia	8.93	15.52	26.02	29.61	33.23	35.06	39.46	40.04	43.57	47.40

<sup>1</sup> Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote 2).<sup>2</sup> Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

Table 98

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

	Million Kilowatts									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	186.53	254.52	360.30	388.40	418.46	459.25	495.50	527.60	531.00	557.00
Canada .....	23.03	29.35	42.83	46.68	49.94	54.38	57.53	61.35	65.57	N.A.
Japan <sup>2</sup> .....	23.64	41.00	68.26	76.48	85.30	95.50	104.21	<u>112.28</u>	116.87	N.A.
Norway .....	6.61	9.92	12.91	13.99	14.14	15.44	16.39	16.93	17.12	N.A.
Spain .....	6.57	10.17	17.92	19.07	21.87	23.21	24.34	25.76	N.A.	N.A.
Sweden .....	8.96	12.04	15.31	16.12	17.74	19.46	20.77	22.79	24.01	N.A.
European Community										
France .....	21.17	26.97	37.53	40.16	41.77	44.67	46.32	47.99	50.07	N.A.
Italy .....	16.31	23.82	31.42	33.95	35.01	37.73	39.68	40.44	42.02	N.A.
Netherlands .....	5.18	7.29	10.48	11.33	12.47	12.96	14.10	15.40	15.63	N.A.
United Kingdom .....	36.60	49.29	66.89	72.07	75.39	78.09	79.83	78.91	77.66	N.A.
West Germany .....	28.38	40.60	50.85	53.99	57.64	62.07	70.12	74.36	81.71	N.A.
Communist Countries										
USSR and Eastern Europe										
USSR .....	66.72	115.03	166.15	175.36	186.24	195.56	205.44	217.48	228.31	239.00
Eastern Europe										
Bulgaria .....	0.92	2.16	4.12	4.48	4.66	5.11	6.17	6.62	6.83	7.04
Czechoslovakia .....	5.66	8.21	10.81	11.70	11.90	12.12	12.81	13.64	14.55	15.15
East Germany .....	7.90	10.35	12.67	13.44	14.28	15.04	15.91	17.03	17.57	18.07
Hungary .....	1.48	2.00	2.75	2.93	3.07	3.23	3.74	4.29	4.67	5.10
Poland .....	6.32	9.67	13.89	14.81	16.12	17.73	19.13	20.06	20.48	21.28
Romania .....	1.78	3.26	7.35	8.33	9.36	10.12	10.58	11.58	12.32	13.52
Far East										
China .....	10.20	11.80	19.40	21.10	23.60	26.80	30.00	34.00	36.00	39.00
North Korea .....	1.88	2.12	3.38	3.50	3.70	4.00	4.50	4.60	4.80	N.A.
Other										
Cuba <sup>3</sup> .....	0.94	0.96	1.32	1.34	1.48	1.55	1.63	1.70	1.70	1.81
Yugoslavia .....	2.40	3.73	6.97	7.71	8.33	8.65	8.88	9.39	10.21	11.10

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

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

<sup>3</sup> Including 410,000 kw capacity in industrial plants not linked to the national grid system.

Table 99

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

	Million Kilowatts					
	1960	1970	1974	1975	1976	1977
<b>OECD</b>						
United States .....	0.4	6.6	29.8	36.9	39.8	46.2
Canada .....	0	0.2	2.3	2.3	2.3	4.0
Japan .....	0	0.8	3.7	<u>5.0</u>	7.1	7.6
Spain .....	0	0.2	1.1	1.1	1.1	1.1
Sweden .....	0	Negl.	1.0	2.4	3.2	3.2
Switzerland .....	0	0.4	1.0	1.0	1.0	1.0
<b>European Community</b>						
Belgium .....	0	Negl.	Negl.	1.3	1.7	1.7
France .....	0.1	1.7	2.9	2.9	2.9	2.9
Italy .....	0	0.6	0.6	0.6	0.6	0.6
Netherlands .....	0	0.1	0.5	0.5	0.5	0.5
United Kingdom .....	0.4	4.3	5.4	5.4	6.6	8.1
West Germany .....	Negl.	0.9	2.2	3.3	4.9	6.2
<b>Other Countries</b>						
Argentina .....	0	0	0.3	0.3	0.3	0.3
India .....	0	0.4	0.6	0.6	0.6	0.6
Pakistan .....	0	0	0.1	0.1	0.1	0.1
<b>Communist Countries</b>						
<b>USSR and Eastern Europe</b>						
USSR .....	Negl.	0.9	3.8	4.8	6.3	7.3
<b>Eastern Europe</b>						
Bulgaria .....	0	0	0.4	0.9	0.9	0.9
Czechoslovakia .....	0	0	0.1	0.1	0.1	0.1
East Germany .....	0	0.1	0.5	1.0	1.0	1.0

<sup>1</sup> Data are as of the end of the year and presented on a net basis.

7,000,000 KW



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## MINERALS AND METALS

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TABLE	PAGE
100 Iron Ore	97
101 Manganese Ore	98
102 Tungsten	98
103 Chromite	99
104 Bauxite	99
105 Metallurgical Coke	100
106 Pig Iron	101
107 Crude Steel	102
108 Semifinished Steel	103
109 Refined Copper	104
110 Refined Nickel	105
111 Primary Aluminum	105
112 Smelter Lead	106
113 Refined Zinc	107
114 Molybdenum	107
115 Cobalt	108
116 Titanium Sponge Metal	108
117 Primary Tin Metal	109
118 Primary Magnesium	109
119 Gold	110
120 Platinum Group-Metals	110

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Table 100

Iron Ore Production<sup>1</sup>

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD<sup>2</sup></b>										
United States <sup>3</sup> .....	90.21	88.84	91.20	82.06	76.64	89.08	85.71	80.13	80.47	56.59
Australia .....	4.40	6.80	51.20 <sup>4</sup>	62.10 <sup>4</sup>	64.40 <sup>4</sup>	84.80 <sup>4</sup>	97.00 <sup>4</sup>	97.60 <sup>4</sup>	93.20 <sup>4</sup>	92.00 <sup>4</sup>
Canada <sup>5</sup> .....	19.55	36.25	47.46	42.96	39.50	50.20	50.00	46.90	57.00	56.00
Sweden .....	21.69	29.48	31.51	34.37	33.98	34.73	36.20	30.90	30.50	25.40
European Community .....	112.0	93.3	80.9	76.4	73.0	70.8	65.7	60.4	54.6	44.9
France .....	66.91	59.52	56.80	55.86	54.25	54.23	54.27	49.65	45.18	37.20
Luxembourg .....	6.98	6.32	5.72	4.51	4.12	3.78	2.69	2.32	2.08	1.60
United Kingdom .....	17.36	15.66	12.02	10.23	9.05	7.10	3.60	4.49	4.60	3.60
West Germany <sup>6</sup> .....	18.90	10.80	5.53	5.02	4.82	5.07	4.44	3.29	2.26	2.20
<b>Other Countries<sup>7</sup></b>										
Brazil .....	9.35	20.75	40.20	42.70	46.48	50.50	75.50	89.90	91.80	86.00
India .....	10.70	23.80	31.37	34.31	35.50	35.60	33.50	41.30	43.90	43.00
Liberia .....	3.10	16.00	23.70	23.03	22.51	23.54	23.79	24.00	18.81	17.50
Venezuela .....	19.49	17.51	22.10	20.32	18.50	23.11	26.42	24.77	18.20	13.80
<b>Communist Countries</b>										
USSR and Eastern Europe .....	115	165	206	214	219	226	235	242	248	249
USSR .....	105.86	153.43	195.49	203.01	208.13	216.10	224.83	232.80	239.11	240.00
Eastern Europe .....	9.34	12.0	10.8	11.2	10.8	10.3	10.0	9.59	8.93	9.07
Bulgaria .....	0.42	1.80	2.41	3.00	3.21	2.77	2.68	2.34	2.32	2.23
Czechoslovakia .....	3.12	2.45	1.61	1.61	1.58	1.67	1.69	1.77	1.90	2.00
East Germany .....	1.64	1.63	0.42	0.32	0.27	0.52	0.53	0.59	0.60	0.65
Hungary .....	0.52	0.76	0.63	0.69	0.70	0.68	0.54	0.64	0.60	0.52
Poland .....	2.18	2.86	2.55	2.08	1.66	1.44	1.30	1.19	0.67	0.67
Romania .....	1.46	2.48	3.21	3.47	3.36	3.23	3.26	3.06	2.84	3.00
Far East										
China .....	100.00	38.30	72.30	91.10	103.40	107.20	99.90	109.00	N.A.	N.A.
North Korea .....	2.50	4.96	6.50	7.80	8.00	8.00	9.00	9.80	10.00	N.A.
Other										
Albania .....	0.25	0.40	0.40	0.40	0.43	0.43	0.45	0.47	0.55	0.60
Yugoslavia .....	2.20	2.50	3.69	3.72	3.96	4.67	5.03	5.24	4.26	4.48

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

<sup>2</sup> The metal content of the ore in the OECD countries follows: United Kingdom and West Germany, 28 percent; Luxembourg, 30 percent; France, 32 percent; United States and Canada, 55-60 percent; and Australia and Sweden, 60-65 percent.

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

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

<sup>5</sup> Shipments.

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

<sup>7</sup> The metal content of the ore in the other countries ranges from 60 percent to 70 percent.

Table 101

Manganese Ore Production <sup>1</sup>

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	73	27	4	Negl.	1	Negl.	0	0	0	0
Australia .....	62	102	751	1,050	1,160	1,520	1,520	1,560	2,150	2,000
Italy .....	49	48	50	31	26	25	14	0	0	0
Japan .....	324	303	270	285	261	189	167	158	142	125
Other Countries										
Brazil .....	999	1,400	1,880	2,600	2,060	1,620	1,790	2,160	2,200	1,910
Gabon .....	0	1,280	1,450	1,870	1,940	1,920	2,060	2,220	2,150	2,090
Ghana <sup>3</sup> .....	545	604	405	599	498	318	250	409	312	310
India .....	1,200	1,650	1,650	1,840	1,640	1,490	1,500	1,530	1,690	1,630
South Africa .....	1,190	1,570	2,680	3,240	3,270	4,180	4,745	5,770	5,452	5,440
Zaire .....	382	378	347	329	369	334	288	309	157	180
Communist Countries										
USSR and Eastern Europe .....	6,350	8,040	7,230	7,700	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
USSR .....	5,872	7,576	6,841	7,318	7,819	8,245	8,155	8,459	8,636	8,600
Eastern Europe .....	477	461	390	356	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bulgaria .....	25	42	33	41	30	38	34	35	40	40
Czechoslovakia .....	154	80	86	48	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Hungary .....	123	213	169	167	155	136	114	131	116	120
Romania .....	175	126	102	100	112	108	72	112	N.A.	N.A.
Other										
Yugoslavia .....	13	8	15	16	15	10	13	17	20	27

<sup>1</sup> The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 30 percent-53 percent; the USSR, about 45 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Czechoslovakia, less than 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

<sup>2</sup> Shipments.

<sup>3</sup> Dry weight.

Table 102

Tungsten Ore Production <sup>1</sup>

	Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	3,160	3,430	4,370	3,130	3,700	3,440	3,550	2,490	2,640	3,170
Australia .....	1,900	950	1,260	1,440	1,570	1,320	1,420	1,930	2,440	1,950
Canada <sup>3</sup> .....	0	1,340	1,340	1,660	1,600	1,670	1,280	1,170	1,610	1,620
Japan .....	470	340	850	730	900	870	810	770	810	810
Portugal .....	1,390	780	1,080	990	1,400	1,510	1,470	1,420	1,280	1,290
Spain .....	440	20	410	410	360	310	350	350	280	290
Other Countries										
Bolivia .....	1,020	870	1,840	2,090	2,250	1,930	2,030	2,570	3,040	3,090
Brazil .....	810	180	1,160	1,360	1,140	1,050	990	1,130	1,200	1,240
Peru .....	230	380	800	760	950	860	700	580	590	600
South Korea .....	2,730	2,130	2,070	2,170	1,800	2,040	2,290	2,400	2,560	2,570
Thailand .....	210	260	710	2,500	3,340	2,400	2,040	1,640	1,900	1,900
Communist Countries										
USSR .....	5,420	6,660	6,900	7,230	7,380	7,610	7,850	8,090	8,330	N.A.
Far East .....										
China .....	13,990	8,140	5,470	7,760	7,900	8,900	8,140	6,710	5,660	N.A.

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

<sup>2</sup> Shipments.

Table 103

Chromite Production <sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
Finland .....	0	0	121	112	97	148	165	331	414	450
Greece .....	31	51	26	15	22	18	10	23	27	25
Japan .....	68	42	33	32	25	24	26	24	22	20
Turkey .....	481	567	519	603	395	436	661	670	740	700
<b>Other Countries</b>										
India .....	101	60	271	261	295	288	396	499	401	401
Iran .....	68	129	200	176	180	140	175	172	160	160
Madagascar Republic .....	0	2	131	150	112	158	156	194	221	220
Philippines .....	735	555	566	430	349	581	530	520	427	N.A.
Rhodesia .....	606	596	363	544	544	544	590	590	608	600
South Africa .....	772	942	1,427	1,644	1,483	1,649	1,950	2,078	2,120	2,200
<b>Communist Countries <sup>2</sup></b>										
USSR .....	1,200	2,500	3,000	3,100	3,200	3,300	3,400	3,500	3,500	N.A.
Albania .....	289	312	466	502	520	614	718	783	837	N.A.
Cuba .....	10	14	8	5	13	13	13	13	13	13
Yugoslavia .....	101	80	41	34	28	10	6	2	2	N.A.

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

Table 104

## Bauxite Production

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	5,370	7,060	16,900	21,200	22,700	25,800	28,400	29,200	31,700	33,700
United States .....	2,030	1,680	2,120	2,020	1,840	1,910	1,980	1,800	1,990	1,990
Australia .....	70	1,190	9,260	12,700	14,400	17,600	20,000	20,960	24,080	26,200
Greece .....	884	1,270	2,290	2,860	2,410	2,750	2,780	3,240	2,750	2,950
European Community .....	2,380	2,910	3,220	3,380	3,500	3,190	2,970	2,800	2,350	2,050
France .....	2,070	2,660	2,990	3,180	3,400	3,130	2,940	2,560	2,330	2,030
<b>Other Countries</b>										
Guinea .....	1,378	1,870	2,490	2,000	2,050	3,050	7,600	9,100	10,800	11,400
Guyana .....	2,511	2,919	4,417	3,920	3,344	3,276	3,250	3,251	2,640	2,600
Jamaica .....	5,840	8,650	12,000	12,400	12,500	13,600	15,300	11,600	10,300	11,400
Surinam .....	3,460	4,360	6,020	6,720	7,190	7,110	6,710	4,930	4,570	4,700
<b>Communist Countries</b>										
USSR and Eastern Europe .....	4,380	5,780	7,070	8,040	8,630	9,200	9,550	9,840	9,970	10,000
USSR <sup>1</sup> .....	3,100	4,300	5,400	5,700	6,000	6,300	6,500	6,600	6,700	6,700
Eastern Europe .....	1,280	1,480	2,270	2,340	2,630	2,900	3,050	3,240	3,270	3,300
Hungary .....	1,190	1,477	2,022	2,080	2,358	2,600	2,751	2,890	2,918	2,949
Romania .....	88	12	250	250	275	300	300	350	350	350
<b>Far East</b>										
China <sup>1</sup> .....	640	1,120	1,500	1,500	1,900	2,300	2,500	2,800	3,000	N.A.
<b>Other</b>										
Yugoslavia .....	1,025	1,574	2,098	1,959	2,197	2,167	2,370	2,306	2,003	2,044

<sup>1</sup> Including nonbauxite ore such as nepheline and alunite for the production of alumina.<sup>2</sup> Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

Table 105

Metallurgical Coke<sup>1</sup> Production

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD<sup>2</sup></b>										
United States .....	51.92	60.65	60.35	52.10	54.89	58.36	55.87	51.90	52.92	48.51
Australia .....	2.68	3.10	4.98	4.40	4.38	4.94	5.11	5.24	5.31	5.38
Canada <sup>3</sup> .....	3.51	3.96	5.14	4.63	4.72	5.37	5.45	5.28	5.29	5.28
Japan .....	8.55	15.78	37.74	38.72	36.14	44.32	45.63	44.80	43.45	42.90
European Community .....	93.2	91.4	90.5	84.8	79.5	81.8	81.7	78.2	77.1	69.2
Belgium .....	7.52	7.33	7.12	6.78	7.24	7.80	8.05	5.73	7.80	7.00
France <sup>4</sup> .....	13.64	13.41	14.15	12.50	11.54	11.88	11.68	10.99	10.86	10.33
Italy .....	3.72	5.74	7.04	6.96	7.07	7.67	8.57	8.11	7.97	7.72
Netherlands <sup>5</sup> .....	4.52	4.28	2.00	1.90	1.99	2.66	2.68	2.68	2.81	2.50
United Kingdom .....	19.14	17.38	20.28	19.11	17.21	17.80	15.77	15.86	15.75	14.20
West Germany <sup>6</sup> .....	44.68	43.29	39.91	37.54	34.45	34.00	34.92	34.82	31.95	27.50
<b>Communist Countries</b>										
USSR and Eastern Europe .....	68.1	80.9	88.4	91.5	93.1	95.3	97.1	98.5	99.8	102
USSR .....	51.48	61.74	68.72	71.29	72.49	73.88	74.95	75.65	76.70	78.46
Eastern Europe .....	16.8	19.2	19.7	20.2	20.6	21.4	22.2	22.8	23.1	23.7
Bulgaria .....	0.02	0.68	0.77	1.02	1.10	1.11	1.18	1.24	1.27	1.28
Czechoslovakia .....	6.82	7.87	8.28	8.62	9.08	9.37	9.31	9.24	9.00	9.00
East Germany .....	0.74	0.94	0.53	0.56	0.42	0.47	0.56	0.56	0.69	0.70
Hungary <sup>5</sup> .....	0.50	0.64	0.66	0.62	0.58	0.60	0.64	0.59	0.60	0.59
Poland .....	7.68	7.99	8.37	8.25	8.29	8.58	8.66	8.93	9.10	9.64
Romania .....	0.81	1.12	1.06	1.10	1.12	1.31	1.81	2.26	2.42	2.50
<b>Far East</b>										
China .....	N.A.	10.10	16.20	20.10	22.40	24.30	22.60	24.30	N.A.	N.A.
<b>Other</b>										
Yugoslavia .....	1.08	1.25	1.31	1.30	1.30	1.34	1.32	1.35	1.79	1.77

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

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

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

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

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

Table 106

## Pig Iron Production

Million Metric Tons

	1960 <sup>1</sup>	1965 <sup>1</sup>	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	62.2	82.6	82.8	73.8	80.6	91.9	86.6	72.3	78.7	73.8
Australia .....	2.9	4.4	6.2	6.2	6.5	7.6	7.6	7.3	7.4	6.7
Canada .....	4.0	6.6	8.3	7.8	8.5	9.5	9.4	9.2	9.8	9.8
Japan .....	12.3	28.0	68.0	72.8	74.0	90.0	90.4	86.9	86.5	85.4
Spain .....	1.9	2.4	4.2	4.8	5.9	6.3	6.9	6.8	6.6	6.6
European Community .....	70.9	81.8	97.3	90.3	95.6	106	111	88.0	93.7	87.6
Belgium .....	6.5	8.3	10.9	10.4	11.8	12.7	13.1	9.1	9.9	8.9
France .....	14.4	15.8	18.8	17.9	18.5	19.5	22.0	17.5	18.7	18.3
Italy .....	2.8	5.6	8.3	8.5	9.4	10.1	11.7	11.3	11.6	11.4
United Kingdom .....	16.0	17.8	17.5	15.2	15.1	16.7	14.2	12.3	14.0	12.4
West Germany <sup>2</sup> .....	25.8	27.0	33.2	29.7	31.7	36.5	39.8	29.8	31.6	29.0
<b>Other Countries</b>										
Brazil .....	1.8	2.4	4.2	4.8	5.3	5.5	5.8	7.1	8.1	9.5
India .....	4.3	7.2	7.1	6.7	7.2	7.5	7.3	8.3	9.3	9.8
South Africa .....	2.0	3.6	3.9	4.0	4.4	4.4	4.6	5.2	5.8	6.0
<b>Communist Countries</b>										
USSR and Eastern Europe .....	60.2	84.1	110	114	119	124	129	133	136	141
USSR .....	46.8	66.2	85.9	89.3	92.3	95.9	99.9	103.0	105.4	107.0
Eastern Europe .....	13.4	17.9	23.8	24.9	26.4	27.9	28.9	29.9	31.1	34.0
Bulgaria .....	0.2	0.7	1.2	1.4	1.6	1.6	1.5	1.6	1.6	1.7
Czechoslovakia .....	4.7	5.9	7.6	8.0	8.4	8.5	8.9	9.3	9.5	9.8
East Germany .....	2.0	2.3	2.0	2.0	2.2	2.2	2.3	2.5	2.5	2.6
Hungary .....	1.2	1.6	1.8	2.0	2.0	2.1	2.3	2.2	2.2	2.3
Poland .....	4.2	5.4	7.0	7.2	7.4	7.7	7.8	7.8	7.9	9.7
Romania .....	1.0	2.0	4.2	4.4	4.9	5.7	6.1	6.6	7.4	7.9
<b>Far East</b>										
China .....	27.5	13.8	22.0	27.1	30.4	33.7	31.4	33.8	N.A.	N.A.
North Korea .....	0.9	1.3	2.0	2.4	2.6	2.9	3.0	3.4	3.4	N.A.
<b>Other</b>										
Yugoslavia .....	1.0	1.1	1.3	1.5	1.8	2.0	2.1	2.1	1.9	2.0

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



Table 107

Crude Steel Production <sup>1</sup>

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	90.1	119.3	119.3	109.2	120.8	136.8	132.2	105.8	116.1	113.2
Australia <sup>3</sup> .....	3.7	5.4	6.8	6.7	6.7	7.7	7.7	7.8	7.8	7.3
Canada .....	5.3	9.2	11.2	11.1	11.9	13.4	13.6	13.1	13.2	13.7
Japan .....	22.1	41.2	93.4	88.5	96.9	119.3	117.1	102.3	107.4	102.4
Spain .....	1.9	3.5	7.4	7.8	9.5	10.8	11.4	11.2	10.9	11.1
Sweden .....	3.2	4.7	5.5	5.3	5.3	5.6	6.0	5.6	5.2	4.0
<b>European Community</b> .....	<b>97.6</b>	<b>114</b>	<b>138</b>	<b>128</b>	<b>139</b>	<b>150</b>	<b>156</b>	<b>126</b>	<b>134</b>	<b>126</b>
Belgium .....	7.2	9.2	12.6	12.4	14.5	15.5	16.2	11.6	12.2	11.3
France .....	17.1	19.3	23.8	22.9	24.0	25.2	27.0	21.5	23.2	22.1
Italy .....	8.3	12.7	17.2	17.4	19.8	21.0	23.8	21.9	23.4	23.3
United Kingdom .....	24.7	27.5	28.3	24.1	25.3	26.7	22.4	20.2	22.3	20.4
West Germany <sup>4</sup> .....	34.1	36.8	45.0	40.3	43.7	49.5	53.3	40.5	42.5	39.0
<b>Other Countries</b>										
Brazil <sup>5</sup> .....	2.3	3.0	5.4	6.0	6.5	7.2	7.5	8.3	9.2	11.2
India .....	3.3	6.4	6.1	6.4	6.9	7.0	6.8	7.1	9.4	9.9
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	<b>86.4</b>	<b>120</b>	<b>156</b>	<b>163</b>	<b>170</b>	<b>178</b>	<b>185</b>	<b>193</b>	<b>199</b>	<b>204</b>
USSR .....	65.3	91.0	115.9	120.7	125.6	131.5	136.2	141.3	144.7	147.0
<b>Eastern Europe</b> .....	<b>21.2</b>	<b>28.5</b>	<b>39.8</b>	<b>42.0</b>	<b>44.7</b>	<b>46.8</b>	<b>48.9</b>	<b>51.3</b>	<b>53.9</b>	<b>57.5</b>
Bulgaria .....	0.2	0.6	1.8	2.0	2.1	2.2	2.2	2.3	2.5	2.6
Czechoslovakia .....	6.8	8.6	11.5	12.1	12.7	13.2	13.6	14.3	14.7	15.1
East Germany .....	3.8	4.3	5.0	5.4	5.7	5.9	6.2	6.5	6.7	6.8
Hungary .....	1.9	2.5	3.1	3.1	3.3	3.3	3.5	3.7	3.6	3.7
Poland .....	6.7	9.1	11.8	12.7	13.5	14.1	14.6	15.0	15.6	17.8
Romania .....	1.8	3.4	6.5	6.8	7.4	8.2	8.8	9.6	10.7	11.5
<b>Far East</b>										
China .....	18.7	12.5	17.8	21.0	23.0	25.5	23.8	25.0	22.0	25.0
North Korea .....	0.6	1.2	2.2	2.2	2.3	2.3	2.4	2.6	2.8	N.A.
<b>Other</b>										
Cuba .....	N.A.	Negl.	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
Yugoslavia .....	1.4	1.8	2.2	2.4	2.6	2.7	2.8	2.9	2.8	3.2

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

\* Ingots only.

Table 108

## Semifinished Steel Production

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	69.35	90.09	82.37	78.96	83.28	101.09	99.31	72.54	81.14	83.00
Canada <sup>1</sup> .....	4.13	6.72	8.24	8.36	8.96	9.93	<del>10.26</del>	9.48	10.00	10.00
Japan .....	17.20	33.38	75.93	72.08	82.10	101.74	100.33	85.83	93.04	N.A.
Spain <sup>1</sup> .....	1.27	3.16	5.46	5.59	6.78	8.36	8.55	8.44	8.29	N.A.
European Community .....	<b>76.7</b>	<b>89.6</b>	<b>111</b>	<b>103</b>	<b>112</b>	<b>123</b>	<b>125</b>	<b>101</b>	<b>108</b>	<b>N.A.</b>
Belgium .....	5.88	7.72	10.26	10.10	11.67	12.60	13.18	9.39	9.84	N.A.
France .....	13.70	15.72	18.73	18.36	19.24	20.19	19.56	17.01	18.35	N.A.
Italy .....	7.78	10.62	14.76	14.86	16.46	18.36	20.27	18.53	19.82	N.A.
United Kingdom .....	18.41	20.76	22.18	19.11	19.76	21.36	17.86	15.87	17.58	N.A.
West Germany .....	25.84	28.48	35.97	32.13	34.72	40.23	43.16	31.93	33.50	N.A.
<b>Communist Countries</b>										
USSR and Eastern Europe .....	<b>57.8</b>	<b>81.3</b>	<b>108</b>	<b>113</b>	<b>119</b>	<b>125</b>	<b>129</b>	<b>136</b>	<b>141</b>	<b>144</b>
USSR .....	43.68	61.65	80.64	84.12	87.47	91.46	94.29	98.69	101.44	102.00
Eastern Europe .....	<b>14.1</b>	<b>19.7</b>	<b>27.4</b>	<b>29.2</b>	<b>31.1</b>	<b>33.1</b>	<b>35.1</b>	<b>37.4</b>	<b>39.4</b>	<b>41.7</b>
Bulgaria .....	0.19	0.43	1.42	1.75	2.02	2.10	2.24	2.50	2.76	2.95
Czechoslovakia .....	4.48	6.09	7.94	8.32	8.71	9.17	9.57	10.03	10.39	10.59
East Germany .....	2.61	2.99	3.41	3.55	3.71	3.88	4.10	4.28	4.59	4.78
Hungary .....	1.19	1.70	2.04	2.06	2.22	2.28	2.39	2.68	2.86	3.08
Poland .....	4.42	6.13	8.14	8.72	9.22	9.87	10.56	11.09	11.50	11.95
Romania .....	1.25	2.35	4.50	4.76	5.23	5.83	6.25	6.81	7.30	8.39
Far East										
China .....	11.30	9.40	13.40	15.40	16.90	19.10	17.80	19.50	N.A.	N.A.
Other										
Yugoslavia .....	0.97	1.19	1.77	1.87	1.93	2.04	2.24	2.36	2.44	3.32

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

Table 109

Refined Copper Production<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	1,640	1,960	2,030	1,780	2,050	2,100	1,940	1,610	1,710	1,680
Australia .....	84	95	146	162	174	179	194	192	189	181
Canada .....	378	394	493	478	496	498	559	529	510	509
Japan .....	248	366	705	713	810	951	996	819	864	934
Spain .....	N.A.	59	83	79	87	94	123	130	142	160
European Community .....	577	904	998	929	913	987	1,020	958	1,060	1,160
Belgium .....	212	280	338	313	314	368	379	332	425	540
United Kingdom .....	219	228	205	178	162	171	160	152	137	120
West Germany <sup>2</sup> .....	309	342	406	400	398	407	424	422	447	440
<b>Other Countries</b>										
Chile .....	226	289	465	398	461	415	538	535	632	676
Peru .....	N.A.	40	36	33	39	39	39	72	140	166
Zaire .....	145	153	190	208	216	230	254	226	66	98
Zambia .....	403	522	581	534	615	638	677	629	695	640
<b>Communist Countries</b>										
USSR and Eastern Europe .....	578	840	1,220	1,320	1,420	1,510	1,610	1,750	1,900	1,890
USSR .....	475	700	1,015	1,090	1,150	1,200	1,250	1,320	1,350	1,400
Eastern Europe .....	101	140	204	226	273	313	361	428	448	488
Bulgaria .....	14	24	38	41	45	47	49	50	52	52
Czechoslovakia .....	10	12	17	17	18	18	21	23	22	23
East Germany .....	40	40	40	40	45	50	50	50	50	50
Hungary .....	8	12	12	10	6	10	10	13	14	15
Poland .....	22	37	72	93	131	156	194	249	270	307
Romania .....	7	15	25	25	28	32	37	43	40	41
<b>Far East</b>										
China .....	90	200	290	290	290	290	300	300	300	N.A.
<b>Other</b>										
Albania .....	1	4	6	6	6	6	7	7	8	8
Yugoslavia .....	35	56	89	93	130	138	150	138	136	117

<sup>1</sup> Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.<sup>2</sup> Including data for West Berlin.

Table 110

Refined Nickel Production <sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	11.4	12.3	14.1	14.2	14.3	12.6	12.8	21.2	30.7	35.2
Australia .....	0	0	1.0	14.0	16.5	20.0	20.0	34.0	48.0	34.0
Canada .....	114.7	160.4	189.3	165.3	134.0	162.5	200.0	178.0	175.7	165.0
Greece .....	0	0	8.6	10.6	11.3	13.9	15.1	14.8	16.4	16.0
Japan .....	17.3	26.1	89.9	102.6	79.5	90.7	104.6	78.0	93.4	90.0
Norway .....	30.4	31.8	38.5	41.8	43.3	42.7	43.2	37.1	32.7	33.0
European Community .....	47.3	49.0	48.3	48.8	45.2	47.2	45.2	48.2	43.5	40.0
France <sup>2</sup> .....	10.0	8.2	10.3	8.6	13.1	10.9	8.7	10.9	10.3	10.0
United Kingdom .....	34.3	40.5	36.7	38.7	31.9	36.8	35.7	37.3	33.1	30.0
Other Countries										
Dominican Republic .....	0	0	0	0.3	17.4	30.1	31.2	30.0	25.6	20.6
New Caledonia .....	11.4	15.6	27.9	29.8	39.1	35.8	48.5	52.8	34.6	30.0
Communist Countries <sup>3</sup>										
USSR .....	72.0	100.0	137.0	148.0	156.0	175.0	200.0	210.0	215.0	N.A.
Cuba <sup>4</sup> .....	12.8	28.2	36.6	36.5	36.7	35.2	33.9	36.8	N.A.	37.0

<sup>1</sup> Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.<sup>2</sup> Excluding data for New Caledonia.<sup>3</sup> Czechoslovakia and East Germany each produce a small amount of refined nickel.<sup>4</sup> Nickel content of oxides and sulfides.

Table 111

## Primary Aluminum Production

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	1,830	2,500	3,600	3,560	3,740	4,110	4,450	3,520	3,860	4,120
Australia .....	12	87	168	218	212	208	220	214	232	242
Canada .....	691	753	962	1,000	907	930	1,020	887	626	895
Greece .....	N.A.	N.A.	91	120	131	142	149	136	134	125
Japan .....	133	294	733	887	1,010	1,100	1,120	1,010	919	1,200
Norway <sup>1</sup> .....	171	276	522	530	557	623	663	585	608	634
Spain .....	29	52	120	126	143	161	191	212	214	214
European Community .....	520	735	952	1,180	1,330	1,520	1,840	1,820	1,880	1,990
France .....	238	340	382	384	394	359	394	383	385	<sup>2</sup> 398
Italy .....	84	124	146	137	150	184	216	190	208	257
United Kingdom <sup>1</sup> .....	29	36	40	119	172	252	293	308	334	353
West Germany <sup>4</sup> .....	169	234	310	427	445	533	689	678	697	742
Other Countries										
Ghana .....	0	0	113	111	133	152	157	143	147	145
India .....	18	62	161	176	179	155	128	167	210	180
Communist Countries										
USSR and Eastern Europe .....	761	1,180	2,060	2,170	2,340	2,520	2,770	2,910	2,980	3,030
USSR .....	630	1,000	1,700	1,800	1,950	2,100	2,300	2,430	2,500	2,550
Eastern Europe .....	131	176	359	371	392	419	468	480	485	484
Czechoslovakia .....	20	26	31	37	43	48	50	43	36	40
East Germany .....	35	45	56	56	57	60	60	60	60	60
Hungary .....	50	58	66	67	68	68	69	70	70	71
Poland .....	26	47	99	100	102	102	102	103	103	104
Romania <sup>4</sup> .....	0	0	107	111	122	141	187	204	207	209
Far East										
China .....	80	140	180	192	238	286	316	357	375	N.A.
Other										
Yugoslavia .....	25	39	48	47	73	91	147	168	198	197

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

Table 112

Lead Production <sup>1</sup>

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	347	379	605	590	625	612	611	577	592	546
Australia .....	193	196	206	193	191	221	202	170	214	203
Canada .....	145	169	186	168	187	187	126	172	175	187
Japan .....	69	108	209	215	192	220	228	194	219	218
Spain .....	71	54	76	75	83	87	80	73	76	84
Sweden .....	45	40	41	39	48	47	45	38	35	42
European Community .....	<b>365</b>	<b>397</b>	<b>437</b>	<b>385</b>	<b>432</b>	<b>457</b>	<b>478</b>	<b>417</b>	<b>458</b>	<b>514</b>
Belgium <sup>3</sup> .....	93	111	89	79	97	114	100	106	104	114
France .....	74	98	120	106	136	167	159	135	159	184
Italy .....	42	45	54	48	50	35	46	33	53	60
United Kingdom <sup>4</sup> .....	16	23	44	39	25	30	29	26	17	20
West Germany <sup>5</sup> .....	140	104	113	98	102	86	116	92	101	110
<b>Other Countries</b>										
Mexico .....	186	154	150	152	156	173	200	173	190	181
Peru .....	74	87	72	68	86	83	81	83	74	79
<b>Communist Countries</b>										
USSR and Eastern Europe .....	<b>404</b>	<b>549</b>	<b>676</b>	<b>705</b>	<b>722</b>	<b>737</b>	<b>765</b>	<b>783</b>	<b>812</b>	<b>830</b>
USSR .....	300	385	470	490	500	510	530	540	560	560
Eastern Europe .....	<b>104</b>	<b>164</b>	<b>206</b>	<b>215</b>	<b>222</b>	<b>227</b>	<b>235</b>	<b>243</b>	<b>252</b>	<b>260</b>
Bulgaria .....	40	93	99	102	104	105	107	110	110	112
Czechoslovakia .....	12	15	18	18	18	17	18	18	19	21
Poland <sup>6</sup> .....	40	41	54	60	65	68	72	76	81	85
Romania <sup>6</sup> .....	12	15	35	35	35	37	38	39	42	42
<b>Other</b>										
Yugoslavia .....	89	102	97	99	88	98	114	126	111	128

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

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

<sup>3</sup> Including secondary metal, remelted lead, and alloys.

<sup>4</sup> Lead bullion from imported ores and concentrates.

<sup>5</sup> Including data for West Berlin.

<sup>6</sup> Probably including some secondary metal.

Table 113

Refined Zinc Production<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>2,210</b>	<b>2,780</b>	<b>3,540</b>	<b>3,340</b>	<b>3,660</b>	<b>3,800</b>	<b>3,770</b>	<b>3,140</b>	<b>3,460</b>	<b>3,550</b>
United States <sup>2</sup>	788	978	866	769	641	604	575	449	510	458
Australia	122	202	264	266	304	306	284	201	250	255
Canada	237	326	418	372	476	533	426	427	472	494
Finland	0	0	56	63	81	81	92	110	111	138
Japan	180	318	676	720	809	844	851	698	742	774
Spain	47	54	88	86	100	106	130	135	161	157
European Community	783	842	1,090	990	1,160	1,230	1,320	1,040	1,130	1,180
Belgium	248	238	232	209	256	278	289	218	236	248
France	146	192	224	219	262	259	277	181	234	238
Italy	85	81	142	139	156	182	196	180	191	161
Netherlands	36	42	47	44	48	30	78	116	123	110
United Kingdom	76	107	147	116	74	84	84	53	42	81
West Germany	192	182	301	263	359	395	400	295	305	342
<b>Communist Countries</b>										
USSR and Eastern Europe	573	770	1,030	1,110	1,140	1,160	1,170	1,210	1,230	1,230
USSR <sup>3</sup>	360	475	690	760	770	780	790	820	840	840
Eastern Europe	213	295	340	353	368	378	379	393	391	388
Bulgaria	17	66	76	78	80	82	83	86	86	90
East Germany	4	14	15	15	15	15	15	15	15	16
Poland	176	190	209	220	228	235	233	243	237	228
Romania	16	25	40	40	45	46	48	49	53	52
<b>Other</b>										
Yugoslavia	36	46	65	53	49	55	86	98	96	99

<sup>1</sup> Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.<sup>2</sup> Including production from secondary smelters.<sup>3</sup> Primary metal only.

Table 114

Molybdenum Production<sup>1</sup>

Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>31,900</b>	<b>39,900</b>	<b>66,400</b>	<b>60,600</b>	<b>64,300</b>	<b>66,600</b>	<b>64,900</b>	<b>61,200</b>	<b>65,900</b>	<b>71,700</b>
United States	31,000	35,100	50,500	49,700	50,900	52,600	50,800	48,100	51,400	55,500
Canada <sup>2</sup>	348	4,340	15,300	10,300	12,900	13,800	13,900	13,000	14,400	16,000
Japan	381	277	264	278	224	156	107	140	150	150
Norway	246	239	340	329	255	100	0	0	0	0
<b>Other Countries</b>										
Chile	1,850	3,690	5,700	6,320	5,920	5,880	9,740	9,090	10,900	11,800
Peru	Negl.	680	607	808	766	633	650	651	450	450
<b>Communist Countries</b>										
USSR	4,800	7,300	9,500	9,500	9,800	10,000	10,300	10,500	10,700	11,000

<sup>1</sup> Molybdenum content of ores and concentrates.<sup>2</sup> Shipments.

Table 115

Cobalt Production <sup>1</sup>

	Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
Australia .....	15	110	569	965	934	941	1,310	3,280	4,220	4,180
Canada <sup>2</sup> .....	1,830	2,000	2,510	2,380	1,840	1,840	1,900	1,640	1,660	1,870
Finland .....	N.A.	2,042	1,540	1,540	1,540	1,540	1,540	1,700	1,550	1,540
Other Countries										
Morocco .....	968	2,040	733	1,190	1,940	1,720	1,970	2,380	1,040	1,100
Zaire .....	9,870	9,310	16,900	17,600	15,900	18,300	21,400	17,000	13,300	16,500
Zambia .....	1,670	1,730	2,910	2,560	4,060	5,210	2,880	2,890	2,670	2,970
Communist Countries										
USSR .....	1,600	2,300	3,700	4,000	4,300	4,500	4,800	5,000	5,200	5,400
Cuba .....	0	800	1,480	1,500	1,550	1,480	1,400	1,550	N.A.	N.A.

<sup>1</sup> Cobalt content of ores mined, unless otherwise indicated.<sup>2</sup> Including metal, salts, and oxides recovered from smelter products and residues exported.<sup>3</sup> Cobalt content of alloys.

Table 116

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

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	4.8	8.2	13.9	8.7	7.6	11.5	18.5	14.4	9.2	12.5
Japan .....	2.3	4.8	9.2	6.8	4.6	6.5	8.9	7.6	6.3	6.4
Communist Countries										
USSR .....	4.0	13.5	25.0	27.0	29.0	32.0	34.0	36.0	37.0	40.0

<sup>1</sup> Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.<sup>2</sup> Approximate output based on reports from various trade publications.

Table 117

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>60,800</b>	<b>51,300</b>	<b>48,800</b>	<b>45,800</b>	<b>43,200</b>	<b>42,400</b>	<b>37,400</b>	<b>36,000</b>	<b>33,500</b>	<b>41,800</b>
United States	13,700	3,150	4,540	4,450	4,000	4,600	6,100	6,410	5,700	6,700
Australia	2,290	3,230	5,210	6,330	7,030	6,900	6,710	5,250	5,600	5,500
Spain	470	1,820	3,910	4,140	4,100	3,800	5,860	5,250	5,400	5,400
European Community	<b>42,500</b>	<b>40,900</b>	<b>33,400</b>	<b>29,100</b>	<b>26,100</b>	<b>25,100</b>	<b>16,900</b>	<b>17,500</b>	<b>15,400</b>	<b>18,400</b>
Belgium	8,390	4,300	4,260	3,940	3,920	3,670	3,420	4,560	4,100	3,700
United Kingdom	26,800	16,800	22,000	23,200	21,300	20,400	12,100	11,600	9,800	12,000
<b>Other Countries</b>										
Bolivia <sup>2</sup>	1,020	3,470	900	6,820	6,530	7,040	6,910	7,130	9,200	13,500
Brazil	N.A.	1,435	3,100	3,420	3,580	4,430	4,850	5,400	6,600	6,800
Indonesia	2,010	1,210	5,190	9,220	12,010	14,630	15,100	17,800	22,200	24,000
Malaysia <sup>3</sup>	77,600	73,600	91,500	87,100	91,000	82,500	84,400	83,100	78,000	67,000
Nigeria	N.A.	9,490	8,070	7,350	6,740	5,980	5,570	4,680	3,700	3,500
Thailand	220	5,610	22,000	21,700	22,300	22,900	19,800	16,600	20,300	22,000
<b>Communist Countries</b>										
USSR	10,600	14,000	21,000	22,000	22,500	23,000	24,000	25,000	26,500	28,500
East Germany	1,000	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
China	29,000	12,000	10,000	13,000	12,000	15,000	15,000	18,000	11,000	N.A.

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

Table 118

## Primary Magnesium Production

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States	36	74	102	112	110	111	N.A.	N.A.	N.A.	N.A.
Canada	7	9	9	7	5	6	6	4	6	8
Japan	2	4	10	10	11	11	9	8	11	10
Norway	10	26	35	36	36	38	40	38	39	40
European Community										
France	2	3	5	7	7	7	6	8	8	9
Italy	5	6	8	8	9	9	7	6	7	7
<b>Communist Countries</b>										
USSR	25	50	80	85	90	95	100	100	100	100.0



Table 119

## Gold Production

	Million Troy Ounces									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	1.67	1.71	1.74	1.50	1.45	1.18	1.13	1.05	1.05	1.10
Australia .....	1.09	0.88	0.62	0.67	0.75	0.55	0.51	0.53	0.50	0.63
Canada .....	4.63	3.60	2.41	2.24	2.08	1.95	1.70	1.65	1.69	1.65
Japan .....	0.26	0.26	0.26	0.26	0.24	0.19	0.14	0.14	0.14	0.14
<b>Other Countries</b>										
Colombia .....	0.43	0.32	0.20	0.19	0.19	0.22	0.27	0.31	0.30	0.30
Ghana .....	0.89	0.76	0.71	0.70	0.72	0.72	0.61	0.52	0.53	0.53
India .....	0.16	0.13	0.10	0.12	0.11	0.11	0.10	0.91	0.10	0.10
Mexico .....	0.30	0.22	0.20	0.15	0.15	0.13	0.13	0.14	0.16	0.16
Nicaragua .....	0.21	0.20	0.12	0.12	0.11	0.09	0.08	0.07	0.07	0.07
Philippines .....	0.41	0.44	0.60	0.64	0.61	0.57	0.54	0.50	0.50	0.50
Rhodesia .....	0.56	0.54	0.50	0.50	0.50	0.50	0.80	0.80	0.80	0.80
South Africa .....	21.38	30.55	32.20	31.40	29.20	27.50	24.39	22.90	22.94	22.56
Zaire .....	0.31	0.09	0.18	0.17	0.14	0.13	0.13	0.10	0.10	0.10
<b>Communist Countries</b>										
USSR .....	3.54	4.95	6.40	6.66	7.17	7.72	7.97	8.20	8.39	8.68

Table 120

## Platinum—Group Metals Production

	Thousand Troy Ounces									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States <sup>1</sup> .....	24	35	17	18	17	20	13	19	6	5
Canada .....	460	463	482	475	406	354	385	399	430	400
South Africa <sup>2</sup> .....	406	754	1,500	1,250	1,450	2,360	2,830	2,600	2,700	3,000
USSR .....	1,000	2,000	2,500	2,600	2,800	3,000	3,200	3,300	3,400	3,400

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

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

CHEMICALS AND RUBBER

TABLE	PAGE
121 Caustic Soda	111
122 Synthetic Ammonia	111
123 Sulfuric Acid	112
124 Mineral Fertilizer	113
125 Nitrogen Fertilizer	114
126 Phosphate Fertilizer	115
127 Potassium Fertilizer	116
128 Plastics	116
129 Synthetic Rubber	117
130 Natural Rubber	117

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Table 121

Caustic Soda Production <sup>1</sup>

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>8,250</b>	<b>11,600</b>	<b>18,300</b>	<b>18,300</b>	<b>18,800</b>	<b>21,200</b>	<b>22,000</b>	<b>19,100</b>	<b>20,800</b>	<b>20,700</b>
United States	4,510	6,207	9,200	8,770	8,696	9,724	10,150	8,693	9,540	9,508
Canada	338	583	860	869	922	1,030	1,030	755	922	N.A.
Japan	869	1,344	2,685	2,896	2,988	3,231	3,162	2,948	2,905	2,870
European Community	<b>1,970</b>	<b>2,630</b>	<b>4,390</b>	<b>4,630</b>	<b>4,960</b>	<b>5,870</b>	<b>6,200</b>	<b>5,190</b>	<b>6,080</b>	<b>6,130</b>
France	597	671	1,094	1,178	1,240	1,392	1,427	1,120	1,274	1,325
Italy	429	691	1,000	1,044	1,077	1,179	1,134	1,002	1,134	1,115
West Germany	776	1,178	1,682	1,773	1,935	2,513	2,819	2,489	3,090	3,106
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>1,420</b>	<b>2,250</b>	<b>3,140</b>	<b>3,260</b>	<b>3,390</b>	<b>3,540</b>	<b>3,800</b>	<b>4,220</b>	<b>4,580</b>	<b>4,780</b>
USSR	704	1,199	1,783	1,866	1,899	2,020	2,174	2,395	2,604	2,658
Eastern Europe	<b>716</b>	<b>1,050</b>	<b>1,360</b>	<b>1,400</b>	<b>1,490</b>	<b>1,520</b>	<b>1,630</b>	<b>1,830</b>	<b>1,970</b>	<b>2,130</b>
Bulgaria	17	32	46	48	65	73	69	84	87	96
Czechoslovakia	115	158	189	202	212	217	232	257	293	312
East Germany	327	364	413	414	420	427	436	442	441	423
Hungary <sup>2</sup>	16	49	67	72	80	83	87	89	91	97
Poland	167	215	313	319	335	338	361	391	388	440
Romania	74	233	330	344	380	383	444	566	673	758
<b>Other</b>										
Cuba	N.A.	2	4	4	4	4	4	4	N.A.	N.A.
Yugoslavia	48	88	93	92	95	93	100	97	90	96

<sup>1</sup> Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on the spot for processing.<sup>2</sup> Including regenerated caustic soda.

Table 122

Synthetic Ammonia Production <sup>1</sup>

	Thousand Metric Tons of N									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup>	3,595	6,618	10,315	10,468	11,336	11,262	11,793	12,232	12,473	12,980
Canada	465 <sup>3</sup>	551	1,007	1,000	1,000	1,246	1,270	N.A.	N.A.	N.A.
Japan <sup>4</sup>	1,059	1,779	2,682	2,656	3,088	3,281	3,275	2,997	3,000	N.A.
European Community	<b>3,420</b>	<b>5,030</b>	<b>6,590</b>	<b>6,920</b>	<b>7,580</b>	<b>8,150</b>	<b>8,350</b>	<b>7,820</b>	<b>7,360</b>	<b>7,920</b>
France	724	1,281	1,619	1,759	1,770	1,923	2,114	1,941	1,780	2,033
Italy	724	1,035	1,277	1,275	1,249	1,435	1,415	1,453	1,221	1,136
Netherlands	410	661	1,340	1,550	2,033	2,165	2,066	1,908	1,951	2,166
West Germany	1,242	1,659	1,821	1,788	1,923	2,064	2,170	1,981	1,862	1,989
<b>Communist Countries</b>										
USSR and Eastern Europe	<b>2,180</b>	<b>5,000</b>	<b>10,400</b>	<b>11,400</b>	<b>12,000</b>	<b>13,100</b>	<b>14,700</b>	<b>16,200</b>	<b>16,900</b>	<b>17,600</b>
USSR	1,138	3,137	6,282	7,024	7,579	8,367	9,062	9,868	10,090	10,495
Eastern Europe	<b>1,040</b>	<b>1,860</b>	<b>4,090</b>	<b>4,350</b>	<b>4,430</b>	<b>4,780</b>	<b>5,680</b>	<b>6,340</b>	<b>6,850</b>	<b>7,140</b>
Bulgaria	111	338	788	756	699	707	806	935	920	977
Czechoslovakia	153	254	432	467	521	544	776	710	725	780
East Germany	392	438	481	457	456	434	689	919	1,119	1,130
Hungary	67	173	414	444	443	501	499	513	703	734
Poland	285	440	1,187	1,227	1,267	1,565	1,666	1,707	1,726	1,694
Romania	29	218	792	997	1,045	1,031	1,222	1,559	1,680	1,821
<b>Far East</b>										
China <sup>4</sup>	419	1,009	1,899	2,310	2,851	3,562	3,844	4,308	N.A.	5,877
North Korea	111	120	280	310	360	360	432	N.A.	N.A.	N.A.
<b>Other</b>										
Yugoslavia	12	114	285	372	393	387	405	391	387	417

<sup>1</sup> Unless otherwise indicated, nitrogen content of synthetic ammonia.<sup>2</sup> Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.<sup>3</sup> Data are for 1961.<sup>4</sup> Includes only ammonia produced for fertilizer.

Table 123

Sulfuric Acid Production<sup>1</sup>

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>38,700</b>	<b>51,400</b>	<b>61,600</b>	<b>61,900</b>	<b>65,200</b>	<b>68,300</b>	<b>70,800</b>	<b>63,600</b>	<b>65,000</b>	<b>68,600</b>
United States <sup>2</sup> .....	16,223	22,544	26,785	26,691	28,289	28,613	29,984	29,367	30,092	31,204
Japan .....	4,452	5,655	6,925	6,659	6,714	7,116	7,127	5,997	6,095	6,392
<b>European Community</b> .....	<b>12,700</b>	<b>15,800</b>	<b>18,200</b>	<b>18,300</b>	<b>19,300</b>	<b>20,600</b>	<b>21,200</b>	<b>17,200</b>	<b>18,100</b>	<b>18,900</b>
France .....	2,046	2,916	3,682	3,923	4,114	4,383	4,689	3,758	3,959	4,501
Italy .....	2,299	2,979	3,327	3,097	3,030	3,128	3,222	3,006	2,888	2,945
United Kingdom .....	2,745	3,358	3,351	3,459	3,450	3,886	3,855	3,166	3,271	3,405
West Germany <sup>3</sup> .....	3,170	3,751	4,435	4,388	4,735	5,069	5,130	4,157	4,668	4,673
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	<b>7,890</b>	<b>12,800</b>	<b>18,100</b>	<b>19,300</b>	<b>20,700</b>	<b>22,600</b>	<b>25,000</b>	<b>27,300</b>	<b>28,600</b>	<b>29,800</b>
USSR .....	5,398	8,518	12,059	12,775	13,685	14,855	16,633	18,645	20,015	21,100
<b>Eastern Europe</b> .....	<b>2,500</b>	<b>4,230</b>	<b>6,090</b>	<b>6,540</b>	<b>7,060</b>	<b>7,720</b>	<b>8,350</b>	<b>8,620</b>	<b>8,550</b>	<b>8,690</b>
Bulgaria .....	123	318	502	514	514	561	761	854	857	853
Czechoslovakia .....	553	933	1,110	1,163	1,176	1,209	1,211	1,245	1,240	1,276
East Germany .....	730	985	1,099	1,076	1,045	1,058	1,005	1,002	957	927
Hungary <sup>4</sup> .....	178	393	484	491	594	670	683	659	653	668
Poland .....	685	1,062	1,901	2,252	2,568	2,914	3,333	3,413	3,287	3,293
Romania .....	226	541	994	1,047	1,162	1,311	1,358	1,448	1,555	1,675
<b>Other</b>										
Cuba .....	43	198	322	368	400	385	384	416	N.A.	N.A.
Yugoslavia .....	121	405	696	752	791	883	863	871	843	874

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

Table 124

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

	Thousand Metric Tons									
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	
<b>OECD<sup>2</sup></b>	<b>22,300</b>	<b>33,900</b>	<b>43,300</b>	<b>45,200</b>	<b>46,900</b>	<b>50,200</b>	<b>50,400</b>	<b>48,300</b>	<b>49,400</b>	
United States	7,410	11,933	15,789	15,899	16,669	17,753	17,117	18,221	19,265	
Canada	496	2,545	4,465	5,446	5,330	6,572	7,179	6,226	7,285	
Japan	1,544	2,203	2,770	2,811	2,928	2,874	3,110	2,142	1,774	
Spain	674	1,043	1,604	1,650	1,813	1,835	1,709	1,794	2,042	
European Community	10,400	13,300	15,300	15,700	16,000	16,700	17,300	14,100	15,000	
France	3,021	4,161	4,644	4,821	4,752	5,418	5,481	4,354	4,520	
Italy	1,110	1,590	1,621	1,696	1,676	1,708	1,707	1,511	1,509	
West Germany	3,897	4,610	4,743	4,784	4,954	4,974	5,144	3,756	4,240	
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1971</b>	<b>1972</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>	<b>1977</b>
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>6,510</b>	<b>12,000</b>	<b>20,800</b>	<b>22,800</b>	<b>24,300</b>	<b>26,200</b>	<b>29,000</b>	<b>31,900</b>	<b>34,200</b>	<b>35,500</b>
USSR <sup>3</sup>	3,281	7,389	13,099	14,670	15,931	17,429	19,352	21,988	22,590	23,540
Eastern Europe	3,230	4,640	7,710	8,100	8,370	8,810	9,620	9,950	11,600	12,000
Bulgaria	127	354	749	708	653	654	781	918	905	983
Czechoslovakia	287	484	680	724	760	770	800	1,012	1,100	1,146
East Germany	2,166	2,506	3,244	3,247	3,295	3,370	3,710	3,985	4,369	4,469
Hungary	102	265	517	551	555	594	583	641	783	805
Poland	477	738	1,629	1,787	1,910	2,179	2,339	2,581	2,593	2,606
Romania	71	293	895	1,082	1,200	1,242	1,410	1,729	1,869	1,981
<b>Far East</b>										
China	495	1,475	2,781	3,339	3,944	4,917	4,953	5,733	N.A.	7,566
North Korea	127	158	320	350	400	420	555	N.A.	N.A.	N.A.
<b>Other</b>										
Yugoslavia	45	226	364	401	406	435	413	410	373	411

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

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

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

Table 125

## Nitrogen Fertilizer Production, Nutrient Content

Thousand Metric Tons of N

	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	
OECD <sup>1</sup>	8,460	13,400	19,300	19,600	20,700	21,800	21,800	21,200	21,500	
United States	2,739	5,081	8,161	8,091	8,433	9,158	8,474	9,591	9,790	
Canada	286	377	726	805	772	803	895	775	960	
Japan	1,030	1,615	2,105	2,125	2,199	2,138	2,341	1,557	1,149	
Spain	110	323	592	597	724	763	722	825	883	
European Community	3,650	4,980	6,240	6,360	6,760	7,020	7,530	6,620	6,910	
Belgium	278	310	594	610	640 <sup>2</sup>	654 <sup>2</sup>	641 <sup>2</sup>	610 <sup>2</sup>	652	
France	671	1,066	1,351	1,417	1,476	1,642	1,694	1,361	1,462	
Italy	658	905	956	1,034	1,046	1,129	1,131	1,000	985	
Netherlands	417	562	930	1,038	1,217	1,212	1,334	1,154	1,253	
United Kingdom	449	666	748	773	751	755	977	1,055	1,071	
West Germany	1,180	1,419	1,505	1,321	1,471	1,473	1,574	1,259	1,290	
Other Countries <sup>1</sup>										
India	110	232	846	946	1,054	1,050	1,187	1,508	1,857	
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Communist Countries										
USSR and Eastern Europe	1,910	4,250	8,740	9,610	10,200	11,100	12,100	13,500	14,000	14,500
USSR <sup>3</sup>	1,003	2,712	5,423	6,055	6,551	7,241	7,856	8,535	8,609	8,925
Eastern Europe	906	1,540	3,320	3,550	3,690	3,900	4,240	4,950	5,370	5,560
Bulgaria	86	260	602	562	523	519	593	672	663	705
Czechoslovakia	140	220	296	317	344	351	385	496	562	573
East Germany	334	348	395	388	428	411	436	538	776	838
Hungary	57	148	350	377	374	404	393	421	492	514
Poland	270	394	1,030	1,081	1,147	1,365	1,457	1,533	1,548	1,520
Romania	19	166	647	827	874	854	980	1,292	1,331	1,411
Far East										
China	345	830	1,562	1,900	2,345	2,930	3,162	3,663	N.A.	4,834
North Korea	105	115	270	295	330	330	395	N.A.	N.A.	N.A.
Other										
Yugoslavia	4	90	238	263	274	276	278	278	277	311

<sup>1</sup> Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.<sup>2</sup> Including Luxembourg.<sup>3</sup> Including some nitrogen for technical purposes.

Table 126

## Phosphate Fertilizer Production, Nutrient Content

	Thousand Metric Tons of P <sub>2</sub> O <sub>5</sub>									
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	
OECD <sup>1</sup>	7,960	11,300	13,700	14,500	15,100	15,900	15,500	13,900	15,300	
United States	2,626	4,260	5,369	5,601	5,795	6,232	6,568	6,531	7,131	
Australia	569	940	695	762	900	1,169	728	474	708	
Canada	210	419	560	721	738	696	661	610	670	
Japan	515	588	665	685	729	736	769	585	625	
Spain	299	317	487	548	576	615	606	456	592	
European Community	3,100	3,940	4,800	4,910	4,910	4,890	4,760	3,710	4,100	
Belgium	289	415	745	739	780 <sup>4</sup>	769 <sup>4</sup>	757 <sup>4</sup>	625 <sup>4</sup>	589	
France <sup>2</sup> <sup>3</sup>	770	1,218	1,451	1,577	1,612	1,693	1,709	1,259	1,490	
Italy	399	512	510	504	500	442	410	370	383	
West Germany	750	857	946	976	986	962	911	649	2,217	
Other Countries										
Brazil	45	61	162	231	278	320	371	493	822	
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Communist Countries										
USSR and Eastern Europe	1,850	3,470	5,500	5,920	6,070	6,500	7,270	8,120	8,320	8,870
USSR <sup>4</sup>	1,192	2,300	3,585	3,802	3,940	4,261	4,902	5,511	5,664	6,150
Eastern Europe	658	1,170	1,910	2,020	2,130	2,240	2,370	2,610	2,650	2,720
Bulgaria	41	94	148	146	130	135	188	246	242	278
Czechoslovakia <sup>2</sup>	147	258	322	331	334	336	356	398	377	389
East Germany <sup>2</sup>	166	232	430	414	409	403	410	427	423	403
Hungary	45	117	167	174	181	190	190	206	188	164
Poland	207	344	599	706	763	814	823	929	928	966
Romania	52	127	244	245	313	361	404	404	493	523
Far East										
China <sup>2</sup>	150	578	1,103	1,299	1,447	1,819	1,611	1,863	N.A.	2,459
North Korea	22	43	50	55	70	90	160	224	N.A.	N.A.
Other										
Yugoslavia	41	136	126	138	132	19	135	132	96	100

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



Table 127

## Potassium Fertilizer Production, Nutrient Content

	Thousand Metric Tons of K <sub>2</sub> O									
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77	
OECD <sup>1</sup>	5,920	9,130	10,300	11,100	11,100	12,700	12,900	11,200	12,500	
United States	2,045	2,592	2,259	2,207	2,441	2,363	2,075	2,099	2,344	
Canada	0	1,749	3,179	3,920	3,820	5,073	5,623	4,842	5,655	
Spain	265	404	525	505	514	457	381	512	566	
European Community	3,600	4,390	4,290	4,470	4,300	4,760	4,920	3,760	3,980	
France <sup>2</sup>	1,581	1,877	1,842	1,827	1,664	2,082	2,078	1,734	1,567	
West Germany <sup>3</sup>	1,967	2,335	2,293	2,487	2,498	2,539	2,659	1,848	2,217	
Other Countries										
Israel	92	310	576	552	622	515	654	712	645	
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
Communist Countries										
USSR and Eastern Europe	2,750	4,300	6,570	7,340	7,990	8,580	9,640	11,300	11,900	12,200
USSR <sup>4</sup>	1,084	2,368	4,087	4,807	5,433	5,918	6,586	7,944	8,310	8,465
Eastern Europe	1,670	1,930	2,490	2,530	2,550	2,670	3,050	3,350	3,610	3,710
Czechoslovakia	0	6	62	76	82	83	105	168	184	184
East Germany	1,666	1,926	2,420	2,445	2,458	2,556	2,864	3,019	3,161	3,228
Hungary	0	0	0	0	0	0	0	14	103	127
Poland	0	0	0	0	0	0	59	119	120	121
Romania	0	0	4	10	13	27	26	33	45	48
Far East										
China	0	0	116	140	152	168	180	207	N. A.	274

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

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

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

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

Table 128

## Plastics Production

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>1</sup>	2,850	5,300	8,712	9,874	11,757	13,706	13,764	10,206	13,261	12,000
Japan	556	1,609	5,128	5,161	5,573	6,392	6,722	4,373	4,952	4,978
European Community	2,400	5,070	10,200	11,300	13,200	15,700	16,100	13,100	17,600	16,900
West Germany	982	1,999	4,321	4,780	5,471	6,434	6,271	5,046	6,942	6,750
Communist Countries										
USSR and Eastern Europe	560	1,370	2,860	3,250	3,800	4,040	4,340	4,920	5,530	6,100
USSR <sup>2</sup>	312	803	1,673	1,864	2,042	2,320	2,493	2,842	3,058	3,309
Eastern Europe	248	571	1,190	1,390	1,560	1,720	1,850	2,080	2,470	2,790
Bulgaria	7	33	89	106	123	144	146	156	157	169
Czechoslovakia	64	126	245	270	301	336	390	428	581	737
East Germany	115	219	370	420	458	489	518	605	679	729
Hungary	10	27	56	83	100	111	115	124	141	148
Poland	40	91	224	257	299	334	395	421	446	463
Romania	12	75	206	251	274	302	283	347	465	543
Other										
Yugoslavia	15	57	97	100	117	126	167	160	205	237

<sup>1</sup> Dry basis, excluding water, solvents, and other liquid diluents.

<sup>2</sup> Including resins for manmade fibers.

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Table 129

## Synthetic Rubber Production

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>1,910</b>	<b>2,960</b>	<b>4,580</b>	<b>4,710</b>	<b>5,030</b>	<b>5,760</b>	<b>5,360</b>	<b>4,530</b>	<b>5,510</b>	<b>5,710</b>
United States .....	1,459	1,842	2,232	2,277	2,455	2,607	2,396	1,990	2,368	2,418
Canada .....	162	206	205	197	196	230	209	173	210	238
Japan .....	23	161	698	780	819	968	858	789	941	971
European Community .....	<b>269</b>	<b>727</b>	<b>1,340</b>	<b>1,330</b>	<b>1,420</b>	<b>1,770</b>	<b>1,720</b>	<b>1,410</b>	<b>1,740</b>	<b>1,840</b>
France .....	17	148	316	323	368	458	463	350	437	479
Italy .....	67	120	155	160	186	230	240	200	250	240
Netherlands .....	12	100	200	191	186	263	245	216	247	240
United Kingdom .....	92	175	316	285	317	364	336	261	320	329
West Germany .....	81	164	302	306	300	393	372	316	373	424
<b>Other Countries</b>										
Brazil .....	0	39	75	78	95	126	155	129	164	188
<b>Communist Countries</b>										
USSR and Eastern Europe .....	<b>454</b>	<b>789</b>	<b>1,210</b>	<b>1,330</b>	<b>1,410</b>	<b>1,540</b>	<b>1,690</b>	<b>1,880</b>	<b>2,000</b>	<b>2,190</b>
USSR <sup>1</sup> .....	347	604	914	1,000	1,060	1,155	1,290	1,450	1,570	1,700
Eastern Europe .....	<b>107</b>	<b>185</b>	<b>295</b>	<b>329</b>	<b>347</b>	<b>384</b>	<b>401</b>	<b>427</b>	<b>435</b>	<b>486</b>
Bulgaria .....	0	0	4	12	12	18	18	19	21	25
Czechoslovakia .....	0	20	50	51	51	55	51	57	57	59
East Germany <sup>2</sup> .....	87	95	118	129	133	134	139	144	145	147
Poland .....	20	39	62	66	78	94	101	108	117	119
Romania .....	0	31	61	71	73	83	92	99	95	136

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

Table 130

## Natural Rubber Production

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>India</b> .....	<b>25.2</b>	<b>49.4</b>	<b>89.9</b>	<b>98.9</b>	<b>109.1</b>	<b>123.2</b>	<b>128.4</b>	<b>136.0</b>	<b>147.8</b>	<b>151.6</b>
<b>Indonesia</b> <sup>1</sup> .....	<b>620.3</b>	<b>716.5</b>	<b>815.2</b>	<b>819.3</b>	<b>773.7</b>	<b>885.8</b>	<b>855.0</b>	<b>822.5</b>	<b>847.5</b>	<b>835.0</b>
<b>Malaysia</b> <sup>2</sup> .....	<b>755.7</b>	<b>916.9</b>	<b>1,269.2</b>	<b>1,318.5</b>	<b>1,304.1</b>	<b>1,542.3</b>	<b>1,524.7</b>	<b>1,477.6</b>	<b>1,640.0</b>	<b>1,613.2</b>
<b>Sri Lanka</b> .....	<b>98.8</b>	<b>118.3</b>	<b>159.2</b>	<b>141.4</b>	<b>140.4</b>	<b>154.7</b>	<b>132.0</b>	<b>148.8</b>	<b>152.1</b>	<b>146.2</b>
<b>Thailand</b> <sup>1</sup> .....	<b>170.8</b>	<b>216.4</b>	<b>287.2</b>	<b>316.3</b>	<b>336.9</b>	<b>382.0</b>	<b>379.2</b>	<b>348.7</b>	<b>392.5</b>	<b>424.5</b>

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

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Table 131

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

	Unit of Measure <sup>2</sup>	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>											
United States	Million lm	8,564	8,447	5,711	5,613	5,181	4,957	4,560	4,326	4,161	3,874
Japan	Million sm	3,221	3,013	2,616	2,482	2,264	2,380	2,163	2,124	2,237	2,266
Spain	Thousand mt	93	101	112	120	123	130	132	97	91	93
Turkey <sup>3</sup>	Million lm	384	781	815	856	841	815	778	787	760	763
<b>European Community</b>											
France	Thousand mt	384	210	197	197	205	208	205	174	184	184
Italy	Thousand mt	139	103	129	123	124	128	140	126	147	136
United Kingdom <sup>4</sup>	Million lm	1,183	928	628	559	513	453	410	406	374	385
West Germany	Thousand mt	249	206	182	179	189	188	182	166	199	173
<b>Other Countries</b>											
Hong Kong <sup>5</sup>	Million sm	387	543	645	647	533	597	558	682	823	680
India	Million lm	6,629	7,643	7,849	7,356	8,022	7,833	8,285	8,028	7,944	N.A.
Pakistan <sup>6</sup>	Million lm	575	654	663	720	687	644	648	608	N.A.	N.A.
<b>Communist Countries</b>											
<b>USSR and Eastern Europe</b>											
USSR <sup>7</sup>	Million sm	4,838	5,499	6,152	6,397	6,421	6,578	6,624	6,634	6,779	6,810
<b>Eastern Europe</b>											
Bulgaria <sup>8</sup>	Million lm	218	291	319	324	323	333	335	363	359	370
Czechoslovakia <sup>9</sup>	Million lm	464	500	501	524	537	553	550	555	530	533
East Germany	Million sm	254	244	248	244	242	243	248	246	274	275
Hungary <sup>10</sup>	Million sm	247	323	304	306	312	346	355	352	353	366
Poland <sup>11</sup>	Million lm	665	811	881	904	901	868	885	928	948	948
Romania <sup>12</sup>	Million sm	248	319	437	482	531	571	612	591	677	700
<b>Other</b>											
Yugoslavia <sup>13</sup>	Million sm	257	394	390	391	374	361	365	376	385	384

<sup>1</sup> Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

<sup>2</sup> Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

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

<sup>4</sup> Mill production only. Data include finished fabrics.

<sup>5</sup> Fabrics after undergoing finishing processes.

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

<sup>7</sup> Including cellulosic fabrics.

78 ✓

China  
(China Excl. Indonesia)

Million lm NA 5,700 8,500 NA NA NA 9,600 8,000 10,000

Table 132

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

	Unit of Measure <sup>2</sup>	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD											
United States	Million lm	262	244	163	104	93	97	74	71	89	91
Australia <sup>3</sup>	Million sm	25	30	27	25	22	18	20	7	8	6
Canada <sup>3, 4</sup>	Million sm	25	30	28	23	27	31	29	31	N.A.	N.A.
Japan <sup>7</sup>	Million sm	316	341	426	424	479	470	357	357	374	347
Spain	Thousand mt	17	22	34	33	37	38	37	31	28	27
Turkey <sup>8</sup>	Million lm	10	24	30	21	25	22	28	35	38	31
European Community											
Belgium	Thousand mt	29	38	39	42	44	37	30	30	34	27
France	Thousand mt	72	60	64	68	71	72	68	63	77	72
Italy	Thousand mt	47	35	134	130	148	166	159	N.A.	N.A.	N.A.
Netherlands <sup>5</sup>	Million sm	68	67	27	29	26	24	21	19	N.A.	N.A.
United Kingdom <sup>3, 4</sup>	Million sm	307	270	215	186	183	192	175	151	143	150
West Germany <sup>5</sup>	Thousand mt	51	55	48	50	55	49	39	38	40	37
Other Countries											
India <sup>6</sup>	Million lm	8	10	13	29	25	18	23	N.A.	N.A.	N.A.
Communist Countries											
USSR and Eastern Europe											
USSR <sup>5</sup>	Million sm	439	466	643	675	681	703	724	740	764	773
Eastern Europe											
Bulgaria <sup>5</sup>	Million lm	19	20	27	28	29	30	32	32	36	35
Czechoslovakia <sup>5, 10</sup>	Million lm	46	44	49	53	57	56	63	68	65	64
East Germany	Million sm	49	39	37	36	35	37	37	37	39	40
Hungary <sup>5</sup>	Million sm	32	36	39	41	38	38	40	39	41	43
Poland <sup>5</sup>	Million lm	79	91	99	99	100	107	117	124	125	125
Romania <sup>5</sup>	Million sm	32	41	63	70	74	83	94	96	105	105
Other											
Yugoslavia	Million sm	46	55	57	59	59	60	66	66	67	79

<sup>1</sup> Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics.

<sup>2</sup> Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

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

<sup>4</sup> Excluding worsted fabrics.

<sup>5</sup> Fabrics after undergoing finishing processes.

<sup>6</sup> Factory shipments.

<sup>7</sup> Including finished fabrics.

<sup>8</sup> Excluding mixed fabrics.

<sup>9</sup> Wearable fabrics produced in the mill sector only.

<sup>10</sup> Including nonwoven fabric.

Table 133

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

	Unit of Measure <sup>2</sup>	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>											
United States	Million lm	1,312	1,792	1,374	1,222	1,293	1,208	901	612	684	732
Australia <sup>3</sup>	Million sm	15	27	29	27	23	25	23	16	17	15
Japan <sup>4</sup>	Million sm	1,828	1,653	1,548	1,428	1,272	1,296	984	840	924	883
<b>European Community</b>											
Belgium	Thousand mt	10	17	26	29	33	34	33	28	31	33
France <sup>5</sup>	Thousand mt	30	32	42	43	48	51	53	47	50	52
United Kingdom <sup>6</sup>	Million lm	564	572	444	447	447	490	490	496	493	498
West Germany	Thousand mt	N.A.	116	97	93	86	85	84	67	72	66
<b>Other Countries</b>											
India <sup>7</sup>	Million lm	550	870	935	970	919	887	850	846	N.A.	N.A.
<b>Communist Countries</b>											
<b>USSR and Eastern Europe</b>											
USSR	Million sm	628	769	1,112	1,154	1,232	1,305	1,371	1,463	1,550	N.A.
<b>Eastern Europe</b>											
Bulgaria <sup>8,9</sup>	Million lm	11	15	21	23	24	26	26	31	32	29
Czechoslovakia	Million lm	N.A.	59	65	68	67	65	61	62	59	60
East Germany	Million sm	57	55	66	65	65	59	58	59	58	58
Hungary <sup>8</sup>	Million sm	28	36	57	56	56	53	52	55	57	57
Poland <sup>7</sup>	Million lm	112	126	156	162	169	187	187	180	190	177
Romania <sup>8,7</sup>	Million sm	25	32	48	54	65	74	78	89	106	110
<b>Other</b>											
Yugoslavia <sup>8</sup>	Million sm	19	24	29	34	36	36	35	39	36	42

<sup>1</sup> Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

<sup>2</sup> Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

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

<sup>4</sup> Including finished fabrics.

<sup>5</sup> Including fabrics of noncellulosic fibers.

<sup>6</sup> Including fabrics of natural silk.

<sup>7</sup> Fabrics after undergoing finishing processes.

Table 134

Synthetic Fibers Production<sup>1</sup>

	Thousand Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	307.2	806.0	1,626.8	1,947.2	2,429.4	2,861.9	2,823.0	2,664.4	2,999.6	3,316.2
Canada .....	17.0	37.5	73.4	85.6	80.2	93.5	92.0	N.A.	N.A.	N.A.
Japan .....	118.3	379.6	1,028.4	1,164.0	1,117.2	1,308.0	1,174.8	1,060.8	1,225.2	1,320.5
Spain .....	3.1	14.8	63.5	76.1	109.2	130.6	126.8	120.1	146.2	167.7
European Community .....	204	586	1,370	1,610	1,720	2,080	1,920	1,660	2,040	1,870
France .....	45.3	92.8	175.2	213.0	234.3	266.3	237.7	209.6	257.6	246.7
Italy .....	33.7	109.8	241.4	301.7	325.0	382.3	349.2	321.4	427.5	390.8
United Kingdom <sup>2</sup> .....	61.0	148.0	336.9	357.3	374.0	453.9	396.1	361.1	414.2	358.8
West Germany <sup>3</sup> .....	52.3	179.3	497.0	604.0	640.6	810.4	766.9	633.0	771.5	708.0
Communist Countries										
USSR and Eastern Europe .....	35.5	136	361	438	507	616	729	819	912	1,020
USSR .....	15.0	77.0	167.0	203.0	239.0	287.0	318.0	365.0	408.0	466.0
Eastern Europe .....	20.5	58.7	194	235	268	329	411	454	504	557
Bulgaria .....	0	0	23.1	28.3	34.1	38.1	40.8	41.7	41.9	46.1
Czechoslovakia .....	3.4	9.8	31.4	39.2	46.0	52.9	60.2	69.4	75.1	80.1
East Germany .....	7.8	19.0	47.3	56.6	69.6	92.9	103.9	111.8	117.6	125.0
Hungary .....	0.4	2.3	5.6	5.5	6.6	9.6	11.5	11.3	11.8	16.9
Poland .....	8.0	24.3	57.5	68.6	73.3	82.8	98.7	124.2	143.3	152.7
Romania .....	0.9	3.3	29.5	36.5	38.0	52.4	95.5	95.6	113.9	136.0
Other										
Yugoslavia .....	N.A.	1.1	8.7	11.4	13.1	16.6	17.7	18.5	20.8	25.7

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

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

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

Table 135

## Computers and Peripheral Equipment Production

	1970	1971	1972	1973	1974	1975	1976	1977
OECD								
United States <sup>1</sup> (million US \$) .....	3,678	3,231	5,595	6,532	7,552	7,478	8,795	10,114
United Kingdom <sup>2</sup> (million US \$) .....	501	473	514	865	965	1,087	1,068	1,178
West Germany (million US \$) .....	736	900	1,278	1,396	1,590	1,403	1,577	N.A.
Communist Countries								
USSR <sup>3</sup> (million rubles) .....	710	879	1,213	1,643	2,221	1,919	2,266	2,800
East Germany <sup>4</sup> (million marks) .....	1,100	1,357	1,585	1,783	2,026	2,033	2,173	N.A.
Hungary <sup>5</sup> (million forints) .....	116	N.A.	N.A.	1,000	1,912	2,547	3,300	4,200
Poland <sup>6</sup> (million zlotys) .....	N.A.	458	603	663	891	1,430	1,577	1,720

<sup>1</sup> Shipments.

<sup>2</sup> Sales.

<sup>3</sup> Including business machines. Starting in 1975, the Soviets changed their prices; therefore, data for 1975-77 are not comparable with data for earlier years.

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

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



Table 136

Electric Generator Production<sup>1</sup>

Thousand Kilowatts

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States <sup>2</sup> .....	12,899	15,451	27,565	36,548	44,199	34,820	38,269	30,496	35,349	30,222
Communist Countries										
USSR .....	7,900	14,390	10,578	12,634	13,700	16,500	16,000	17,100	16,600	18,100
Bulgaria .....	29	13	37	104	75	232	27	32	N.A.	N.A.
Czechoslovakia <sup>3</sup> .....	1,391	888	1,488	1,646	1,503	1,989	1,543	1,474	1,775	N.A.
Hungary <sup>3</sup> .....	347	416	590	263	663	865	984	861	801	N.A.
Romania .....	83	295	747	523	482	913	976	1,479	N.A.	N.A.
China .....	N.A.	800	2,300	2,900	3,600	4,300	5,100	6,000	6,600	N.A.

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

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

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

Table 137

Turbine Production<sup>1</sup>

Thousand Kilowatts

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	12,899	15,451	27,565	36,548	44,199	34,820	38,269	30,496	35,349	30,222
Japan .....	1,949	4,717	16,603	14,662	16,713	17,310	12,204	12,400	N.A.	N.A.
Communist Countries										
USSR <sup>3</sup> .....	9,200	14,625	16,191	16,800	14,642	15,143	17,271	18,886	19,594	18,900
Czechoslovakia .....	1,555	1,994	2,239	1,463	1,584	1,501	1,379	1,720	1,616	N.A.
Poland <sup>4</sup> .....	186	471	1,135	1,192	1,405	1,408	1,701	1,820	1,831	N.A.
Romania <sup>4</sup> .....	98	27	121	24	154	415	708	712	678	N.A.

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

<sup>2</sup> Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.

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

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

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

Table 138

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States <sup>2</sup>										
Million US\$	539.30	1,047.80	1,097.70	714.40	858.00	1,224.70	1,525.60	1,790.40	1,574.40	1,753.50
Thousand units	42.91	68.01	49.31	32.44	41.83	57.88	69.00	64.32	54.10	N.A.
Communist Countries										
USSR and Eastern Europe										
USSR										
Million US\$ <sup>3</sup>	611.74	931.48	1,427.88	1,537.38	1,664.40	1,843.98	2,025.02	2,179.78	2,340.38	2,556.49
Thousand units	155.92	186.13	202.16	207.23	211.37	213.79	225.59	231.31	233.00	236.00
Eastern Europe										
Bulgaria (thousand units)	3.15	8.06	13.94	14.64	17.86	15.66	15.47	16.28	14.44	13.74
Czechoslovakia (thousand units)	30.23	24.33	35.19	39.57	36.91	31.65	30.19	29.66	31.72	N.A.
East Germany (thousand units)	41.90	24.77	22.22	19.64	21.30	19.16	19.11	19.72	19.42	N.A.
Hungary (thousand units)	9.78	13.85	14.48	16.01	14.37	9.20	12.67	12.83	13.32	N.A.
Poland (thousand units)	22.47	31.13	29.73	33.08	36.29	34.70	33.81	33.19	24.20	21.50
Romania (thousand units)	4.44	7.16	14.14	15.06	15.99	20.55	24.83	28.27	29.89	N.A.

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

<sup>2</sup> Average value of \$1,000 and over.

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

Table 139

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

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States										
Thousand US\$	238.4	409.9	454.1	343.4	411.3	563.1	640.4	615.7	595.0	661.5
Thousand units <sup>2</sup>	19.3	25.3	24.2	19.4	21.8	30.7	37.0	26.8	26.7	31.4
USSR										
Thousand US\$ <sup>3</sup>	188.3	235.1	359.2	398.6	433.6	480.3	541.7	581.1	664.3	706.6
Thousand units	29.9	34.6	41.3	42.3	44.0	46.5	48.9	50.5	51.9	54.3

<sup>1</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>2</sup> Average value of \$1,000 and over.

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

Table 140

Grain Combine Production<sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	Units
United States <sup>2</sup> .....	30,165	37,606	21,017	21,229	21,172	25,241	28,644	31,259	31,712	31,971	
Communist Countries											
USSR and Eastern Europe .....	67,000	91,200	103,000	107,000	101,000	91,500	98,100	108,000	112,000	N.A.	
USSR .....	59,000	85,800	99,200	102,300	95,700	84,800	88,400	97,500	101,700	106,000	
Eastern Europe .....	8,040	5,380	4,230	4,320	5,190	6,700	9,720	10,800	10,600	N.A.	
East Germany .....	1,972	1,585	900	1,200	1,300	1,400	1,500	1,500	1,400	1,400	
Poland .....	564	1,781	2,155	1,799	1,828	2,402	2,909	3,591	4,008	N.A.	
Romania .....	5,500	2,012	1,179	1,317	2,060	2,903	5,315	5,659	5,198	N.A.	

<sup>1</sup> Tractor-drawn and self-propelled.<sup>2</sup> Shipments.

Table 141

Tractor Production<sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	Thousand Units
OECD											
United States .....	178.5	271.8	191.7	186.2	218.2	236.9	233.8	232.0	213.2	226.9	
European Community											
France .....	63.4	90.0	68.8	56.0	57.0	51.2	56.6	55.8	64.5	60.4	
Italy .....	37.6	62.7	84.8	67.2	64.8	86.3	104.5	116.4	126.8	139.1	
United Kingdom <sup>2</sup> .....	181.0	178.5	160.7	151.5	134.3	119.3	119.6	141.7	136.4	126.0	
West Germany <sup>3</sup> .....	120.7	105.0	105.4	83.8	84.2	99.9	116.1	114.1	125.2	126.4	
Communist Countries											
USSR and Eastern Europe .....	308	443	574	591	599	628	680	743	758	N.A.	
USSR .....	238.5	354.5	458.5	472.0	477.8	499.6	531.1	550.4	562.2	569.0	
Eastern Europe .....	69.0	88.2	115	119	121	128	149	192	196	N.A.	
Bulgaria .....	0	3.8	4.4	4.9	4.1	4.0	4.2	5.1	5.9	6.2	
Czechoslovakia .....	32.5	32.1	24.3	25.5	27.4	30.6	40.8	75.0	73.1	N.A.	
East Germany .....	9.1	12.9	16.4	15.2	8.3	3.9	4.0	4.0	4.0	N.A.	
Hungary .....	2.6	3.0	1.9	1.6	1.2	1.1	0.7	0.6	0.6	N.A.	
Poland .....	7.7	20.6	38.7	41.2	45.0	49.6	55.0	57.6	58.8	59.1	
Romania .....	17.1	15.8	29.3	30.4	34.9	38.8	44.6	50.0	53.9	N.A.	
Far East											
China .....	9.9	9.6	29.2	43.8	47.9	57.5	50.0	58.3	53.6	N.A.	
Other											
Yugoslavia .....	7.3	7.4	12.0	15.0	18.4	20.7	27.7	33.2	42.2	43.0	

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

Table 142

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

	Thousand Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	57.31	77.83	66.18	55.33	47.54	58.25	67.04	72.39	52.55	50.93
European Community										
France <sup>3</sup> .....	7.93	15.04	14.23	15.49	20.42	13.92	9.84	9.61	6.91	6.36
West Germany .....	6.63	11.31	9.60	10.67	6.35	8.07	7.51	6.96	6.82	6.81
Other Countries										
India .....	11.90	33.50	11.98	8.58	10.43	11.90	11.08	12.24	11.27	12.90
Communist Countries										
USSR and Eastern Europe .....	64.6	72.9	97.3	105	109	112	116	117	119	N.A.
USSR .....	36.40	39.60	58.30	63.70	68.90	71.80	72.40	69.90	71.90	71.20
Eastern Europe	28.2	33.3	39.0	41.1	40.2	40.4	43.8	47.4	46.6	N.A.
Bulgaria .....	2.01	1.58	1.99	2.02	1.80	1.97	1.99	2.51	2.55	N.A.
Czechoslovakia .....	5.15	4.30	4.35	4.69	5.18	5.37	5.13	5.03	5.09	N.A.
East Germany .....	2.14	2.17	5.71	5.26	4.43	4.66	4.85	5.05	5.43	5.59
Hungary .....	0.45	0.55	0.50	0.33	0.69	0.94	0.56	0.48	0.09	0.16
Poland .....	13.90	16.30	15.50	16.40	16.90	16.50	17.85	18.74	20.40	18.60
Romania .....	4.60	8.58	11.16	12.39	11.15	11.00	13.38	15.59	13.06	N.A.
Far East										
China .....	23.00	6.60	12.00	14.00	15.00	16.00	16.80	18.50	19.00	21.00
North Korea .....	0.60	1.60	3.50	3.60	3.70	5.20	6.00	6.90	7.40	8.90
Other										
Yugoslavia .....	3.42	4.85	2.61	3.79	3.34	3.79	2.14	3.33	3.32	1.34

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

<sup>2</sup> Shipments.

Table 143

## Passenger Automobile Production

	Thousand Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	6,675	9,306	6,547	8,585	8,824	9,658	7,331	6,713	8,498	9,199
Canada .....	326	707	923	1,097	1,154	1,228	1,166	1,045	1,137	1,163
Japan .....	165	696	3,179	3,718	4,022	4,471	3,932	4,568	5,028	5,429
European Community	4,920	7,130	9,660	10,200	10,500	10,800	9,270	8,730	10,100	10,500
France .....	1,136	1,374	2,458	2,694	2,993	3,202	3,045	2,951	3,388	3,558
Italy <sup>2</sup> .....	596	1,104	1,720	1,701	1,732	1,823	1,631	1,348	1,471	1,452
United Kingdom .....	1,353	1,722	1,641	1,742	1,921	1,747	1,534	1,268	1,333	1,332
West Germany .....	1,817	2,734	3,528	3,692	3,514	3,643	2,840	2,905	3,548	3,794
Other Countries										
Brazil .....	57	114	255	348	418	466	562	554	556	454
Communist Countries										
USSR and Eastern Europe .....	272	411	710	935	1,160	1,410	1,660	1,780	1,880	N.A.
USSR .....	139	201	344	529	730	917	1,118	1,201	1,239	1,280
Eastern Europe	133	210	366	406	431	495	539	577	645	N.A.
Bulgaria .....	0	0	8	8	8	11	14	11	15	17
Czechoslovakia .....	56	78	143	149	154	164	169	175	179	159
East Germany .....	64	103	127	134	140	147	155	159	164	167
Poland .....	12	25	64	85	90	113	133	164	216	279
Romania <sup>3</sup> .....	1	4	24	30	39	60	68	68	71	N.A.
Other										
Yugoslavia <sup>4</sup> .....	4	36	111	113	110	125	171	183	195	232

<sup>1</sup> Factory sales.

<sup>2</sup> Excluding production for the armed forces.

<sup>3</sup> Including jeeps.

<sup>4</sup> Including vehicles assembled from imported parts.

Table 144

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

Thousand Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD*</b>										
United States*	1,194	1,752	1,692	2,053	2,447	2,980	2,727	2,272	2,979	3,440
Canada	72	145	236	279	320	347	362	379	503	613
Japan	595	1,222	2,126	2,106	2,277	2,617	2,624	2,376	2,556	3,077
Spain	17	74	77	68	84	104	116	113	107	135
European Community	983	1,020	1,240	1,220	1,190	1,300	1,270	1,160	1,320	1,310
France	234	242	292	316	335	394	418	346	468	450
Italy*	49	72	134	116	107	135	142	110	119	143
United Kingdom	458	455	458	459	408	417	403	381	372	360
West Germany	238	243	318	292	303	306	265	286	324	314
<b>Other Countries</b>										
Brazil	76	72	161	152	177	251	337	370	416	448
<b>Communist Countries</b>										
USSR and Eastern Europe	566	502	724	776	822	871	921	970	995	N.A.
USSR	501	415	572	614	649	685	727	763	786	808
Eastern Europe	65	87	152	162	173	186	194	208	209	N.A.
Bulgaria	0	0	3	4	4	5	5	6	7	N.A.
Czechoslovakia*	18	18	27	28	29	30	32	36	40	39
East Germany	12	15	27	28	30	33	37	38	38	37
Hungary*	4	6	9	10	11	10	11	13	13	13
Poland*	22	32	50	56	62	70	74	78	75	80
Romania	9	16	36	36	37	38	35	37	36	N.A.
Far East										
China*	15	30	70	86	100	110	121	133	135	150
North Korea	3	4	8	10	14	15	17	19	21	22
Other										
Yugoslavia	6	12	17	17	18	18	25	15	22	21

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

\* Data include complete units exported for assembly.

\* Factory sales.

\* Excluding production for the armed forces.

\* Excluding wheeled tractors.

\* Excluding buses, jeeps, and three-wheel trucks.

839

$$\begin{array}{r} 201 \\ 715 \\ \hline 616 \end{array}$$

3438

Table 145

Rubber Tire Production<sup>1</sup>

	Thousand Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	123,059	172,532	193,971	220,461	234,173	228,535	218,203	191,999	187,953	237,140
Canada <sup>2</sup> .....	8,458	13,424	19,109	18,828	20,882	19,926	N.A.	N.A.	N.A.	N.A.
Japan <sup>3</sup> .....	10,100	28,432	63,828	64,956	78,072	87,744	70,776	74,580	85,284	94,382
European Community										
France <sup>4</sup> .....	16,518	23,374	39,420	44,136	45,055	45,715	45,408	39,360	44,004	46,584
Italy <sup>5</sup> .....	N.A.	N.A.	22,383	23,200	29,020	28,072	27,720	25,716	28,713	29,328
United Kingdom <sup>6</sup> .....	15,904	23,394	30,540	32,208	30,336	30,288	27,504	26,004	29,871	28,911
West Germany <sup>7</sup> .....	14,745	25,566	37,548	37,416	41,244	41,328	34,608	32,016	37,596	38,265
Communist Countries										
USSR and Eastern Europe .....	23,400	35,800	48,800	51,500	55,700	61,000	67,300	72,700	76,600	81,100
USSR .....	17,225	26,434	34,620	36,248	38,752	42,296	47,087	51,480	54,515	57,400
Eastern Europe										
Bulgaria .....	196	349	550	731	821	1,000	1,111	1,227	1,236	1,250
Czechoslovakia <sup>4</sup> .....	1,324	1,792	2,778	3,179	3,922	4,371	4,624	4,720	4,789	5,208
East Germany <sup>5</sup> .....	2,714	3,750	4,692	4,922	5,191	5,484	5,784	6,272	6,432	6,779
Hungary <sup>6</sup> .....	336	581	665	727	731	647	618	709	739	762
Poland <sup>7</sup> .....	1,222	1,697	2,995	3,023	3,380	3,929	4,525	4,566	4,764	5,430
Romania <sup>8</sup> .....	337	1,222	2,457	2,647	2,946	3,249	3,517	3,703	4,115	4,263
Other										
Cuba .....	325	197	202	251	381	372	391	368	N.A.	N.A.
Yugoslavia <sup>9</sup> .....	391	955	2,763	3,195	3,756	4,589	4,669	5,110	5,644	8,126

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

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

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

<sup>4</sup> Excluding motorcycle and bus tires.

<sup>5</sup> Including solid rubber tires.

<sup>6</sup> Including aircraft tires.

<sup>7</sup> Automobile, motorcycle, and aircraft tires only.

Table 146

## Television Receiver Production

	Thousand Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States .....	5,828	11,028	9,483	11,197	13,507	17,367	15,279	10,637	14,131	15,432
Japan .....	3,578	4,190	13,782	13,231	14,303	14,414	13,406	12,160	17,034	16,174
European Community										
France .....	655	1,250	1,511	1,471	1,578	1,695	1,694	1,606	1,777	1,820
Italy .....	728	1,042	2,028	1,666	1,790	2,200	2,330	1,595	1,813	1,800
United Kingdom .....	2,141	1,591	2,214	2,390	2,991	3,138	2,616	2,124	2,108	2,063
West Germany .....	2,164	2,776	2,936	2,538	3,072	3,898	4,237	3,357	3,727	4,055
Communist Countries										
USSR and Eastern Europe .....	2,720	5,360	8,900	8,040	8,180	8,700	9,300	9,920	10,100	N.A.
USSR .....	1,726	3,655	6,682	5,817	5,980	6,271	6,569	6,960	7,063	7,069
Eastern Europe										
Bulgaria .....	Negl.	74	193	158	102	74	113	124	58	65
Czechoslovakia .....	263	274	383	352	268	381	409	445	456	N.A.
East Germany .....	416	537	380	411	430	433	467	509	561	525
Hungary .....	139	267	364	371	350	353	395	400	412	423
Poland .....	171	452	616	630	730	796	895	971	963	920
Romania .....	Negl.	101	280	300	324	397	451	512	548	N.A.
Far East										
China .....	N.A.	5	15	20	40	75	115	205	163	N.A.
Other										
Yugoslavia .....	14	254	320	317	350	354	418	425	402	416

Table 147

Radio Receiver Production<sup>1</sup>

Thousand Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	24,463	41,726	44,427	47,610	55,311	50,198	43,993	34,516	44,102	52,926
Canada <sup>3</sup> .....	696	931	1,751	2,161	2,314	2,652	2,524	1,009	751	N.A.
Japan .....	12,851	22,937	32,618	28,091	26,833	24,484	18,027	14,283	16,770	17,310
European Community .....	8,560	11,100	16,400	14,300	14,300	14,800	13,800	10,900	13,000	14,300
Belgium/Luxembourg/Netherlands .....	1,103	1,240	1,923	1,550	1,560	2,060	2,156	1,796	1,726	1,950
France .....	2,214	2,298	2,921	2,818	2,936	3,017	3,374	3,051	3,458	3,525
Italy .....	935	1,195	3,300	2,986	2,550	2,150	1,800	791	1,540	1,500
United Kingdom .....	2,504	1,912	1,313	1,285	1,441	1,376	990	684	723	896
West Germany .....	4,313	4,071	6,729	5,422	5,496	5,953	5,340	4,415	5,443	6,300
<b>Communist Countries</b>										
USSR and Eastern Europe .....	6,360	7,570	10,800	11,900	12,000	11,900	12,300	12,500	13,000	N.A.
USSR .....	4,165	5,160	7,815	8,794	8,842	8,615	8,753	8,376	8,456	8,652
Eastern Europe .....	2,200	2,410	3,020	3,080	3,130	3,250	3,550	4,080	4,580	N.A.
Bulgaria .....	157	130	145	148	141	71	110	228	169	147
Czechoslovakia .....	230	298	416	385	249	226	198	161 <sup>4</sup>	208	N.A.
East Germany .....	810	808	807	961	1,041	979	1,016	1,071	1,122	1,126
Hungary .....	212	228	206	215	193	199	205	255	250	259
Poland .....	627	624	987	892	982	1,150	1,422	1,651	2,038	2,289
Romania .....	167	323	455	484	527	623	602	712	791	N.A.
<b>Far East</b>										
China .....	1,500	1,500	4,600	6,000	6,700	12,100	15,000	18,000	N.A.	N.A.
<b>Other</b>										
Yugoslavia .....	244	504	277	236	147	104	155	140	109	185

<sup>1</sup> Civilian radio receivers and radio-phonograph combinations.<sup>2</sup> The data presented reflect the total market and include, prior to 1971, factory sales by manufacturers plus products imported directly for resale. Beginning 1971, data include products produced, imports by manufacturers for sale under their brand names, and products imported directly for resale.<sup>3</sup> Receiving sets for home use only.<sup>4</sup> Excluding radio-phonograph combinations.

Table 148

Total Housing Construction<sup>1</sup>

Million Square Meters

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
United States .....	145.4	159.5	152.3	187.2	217.3	232.2	193.5	159.6	175.5	213.1
USSR .....	109.6	97.6	106.0	107.6	106.7	110.5	110.1	109.9	106.2	109.5

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

Table 149

Cement Production<sup>1</sup>

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>	<b>186</b>	<b>250</b>	<b>318</b>	<b>331</b>	<b>355</b>	<b>378</b>	<b>366</b>	<b>336</b>	<b>348</b>	<b>366</b>
United States	56.06	65.08	67.43	71.05	74.93	77.58	73.41	61.82	66.18	73.12
Canada	5.34	7.66	7.28	8.32	9.09	10.05	10.64	9.74	9.90	9.92
Japan	22.54	32.49	57.19	59.43	66.29	78.12	73.11	65.52	68.71	73.14
Spain	5.23	9.88	16.70	17.16	19.58	22.37	23.80	24.10	25.30	28.21
Turkey	2.04	3.24	6.37	7.55	7.60	8.95	8.93	10.86	12.34	14.40
European Community	77.4	107	132	135	141	144	139	129	130	130
Belgium	4.39	5.90	6.73	6.93	7.09	7.04	7.47	6.89	7.50	8.16
France	14.35	22.42	29.01	28.95	30.24	30.71	32.50	29.71	29.00	28.83
Italy	16.01	20.70	33.08	31.80	33.46	36.31	36.31	34.24	36.25	37.42
United Kingdom	13.50	16.98	17.17	17.70	18.05	19.99	17.78	16.90	15.78	15.46
West Germany <sup>2</sup>	24.90	34.13	38.32	41.01	43.15	41.01	35.98	33.50	34.15	32.24
<b>Other Countries</b>										
Brazil	4.74	5.87	9.00	9.80	11.38	13.40	14.92	16.74	17.87	20.40
India	7.84	10.58	13.96	14.93	15.78	15.01	14.26	16.24	18.68	19.20
Mexico	3.09	4.30	7.27	7.52	8.72	9.91	10.67	11.70	12.70	13.00
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b>	<b>68.4</b>	<b>104</b>	<b>137</b>	<b>145</b>	<b>151</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>186</b>	<b>193</b>
USSR	45.52	72.39	95.25	100.33	104.30	109.52	115.14	122.06	124.25	127.00
<b>Eastern Europe</b>	<b>22.9</b>	<b>31.8</b>	<b>42.1</b>	<b>44.6</b>	<b>47.0</b>	<b>50.9</b>	<b>54.8</b>	<b>58.1</b>	<b>61.9</b>	<b>65.6</b>
Bulgaria	1.59	2.68	3.67	3.88	3.91	4.18	4.30	4.36	4.36	4.66
Czechoslovakia	5.05	5.71	7.40	7.96	8.04	8.38	8.97	9.30	9.55	9.75
East Germany	5.03	6.09	7.98	8.47	8.86	9.55	10.10	10.66	11.34	12.00
Hungary	1.57	2.38	2.77	2.71	2.97	3.40	3.44	3.76	4.30	4.60
Poland	6.60	9.57	12.18	13.08	13.99	15.55	16.76	18.54	19.80	21.30
Romania	3.05	5.41	8.13	8.52	9.21	9.85	11.20	11.52	12.55	13.32
<b>Far East</b>										
China	12.00	16.28	26.60	31.00	38.10	41.00	37.30	47.10	49.30	56.20
Modern Plants	9.00	10.90	15.10	18.60	19.80	20.50	16.00	19.40	19.70	20.20
Small Plants	3.00	5.38	11.50	12.40	18.30	20.50	21.30	27.70	29.60	36.00
North Korea	2.30	2.40	4.00	4.40	4.70	5.00	5.20	5.70	5.00	N.A.
Vietnam	0.41	0.66	0.25	0.35	0.30	0.33	0.38	0.42	N.A.	N.A.
<b>Other</b>										
Cuba	0.80	0.80	0.74	1.09	1.47	1.76	1.81	2.08	2.50	2.65
Yugoslavia	2.40	3.10	4.40	4.95	5.75	6.20	6.65	7.07	7.63	8.01

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



Table 150

Lumber Production<sup>1</sup>

Thousand Cubic Meters

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>178,000</b>	<b>199,000</b>	<b>214,000</b>	<b>225,000</b>	<b>233,000</b>	<b>244,000</b>	<b>224,000</b>	<b>197,000</b>	<b>225,000</b>	<b>208,000</b>
United States .....	77,697	84,236	81,524	86,586	89,774	91,223	82,581	75,717	86,081	87,787
Canada .....	18,988	25,541	26,734	30,403	33,135	36,224	32,485	26,715	36,282	40,240
Japan .....	26,734	33,291	42,127	41,806	43,664	45,038	40,510	37,362	39,315	38,750
Australia .....	3,299	3,347	3,235	3,212	3,228	3,263	3,329	3,322	3,285	N.A.
Austria .....	5,004	4,534	5,326	5,528	5,463	5,735	5,639	4,940	5,982	6,092
Finland .....	8,289	6,919	7,310	7,515	7,475	8,140	7,800	5,020	5,850	6,380
Spain .....	1,077	1,918	2,250	2,826	2,482	2,680	2,546	2,169	2,116	2,510
Sweden .....	8,620	10,266	12,246	12,747	12,845	13,718	13,576	10,904	11,600	11,110
Turkey .....	736	1,355	2,307	2,181	2,342	2,447	2,423	2,460	2,624	2,860
European Community .....	19,600	21,700	24,100	24,400	24,800	26,600	24,800	20,800	24,200	25,100
France .....	7,454	8,049	9,263	9,254	9,904	10,441	9,916	7,611	8,787	9,850
Italy .....	1,710	1,945	2,292	2,441	2,161	2,600	2,102	1,639	1,957	1,900
West Germany .....	7,739	8,891	9,383	9,597	9,592	10,202	9,905	9,028	10,300	10,400
<b>Other Countries</b> .....										
Brazil .....	5,700	5,661	8,035	8,100	7,550	7,109	6,852	7,395	7,395	N.A.
India .....	1,400	2,100	2,600	2,700	2,800	2,900	3,000	3,250	3,250	N.A.
Malaysia .....	1,395	1,859	3,110	3,108	3,748	4,293	4,031	3,817	5,373	N.A.
<b>Communist Countries</b> .....										
USSR and Eastern Europe .....	125,000	131,000	137,000	140,000	140,000	138,000	136,000	138,000	134,000	N.A.
USSR .....	105,600	111,000	116,400	118,800	118,700	116,200	114,700	116,200	112,600	N.A.
Eastern Europe .....	19,500	19,800	20,300	21,000	21,300	21,700	21,600	21,900	21,600	N.A.
Bulgaria .....	1,444	1,661	1,636	1,709	1,737	1,819	1,764	1,755	1,792	1,830
Czechoslovakia .....	3,973	3,625	3,639	3,836	4,015	4,087	4,198	4,242	4,342	4,373
East Germany .....	2,975	1,841	1,914	2,000	2,047	2,060	2,110	2,180	2,180	N.A.
Hungary .....	678	869	939	872	903	1,048	1,050	1,072	1,004	1,077
Poland .....	6,548	6,807	6,818	6,946	7,075	7,395	7,588	8,013	7,984	8,210
Romania .....	3,928	5,005	5,381	5,604	5,507	5,293	4,875	4,687	4,336	4,175
<b>Other</b> .....										
Cuba .....	60	74	28	37	38	53	51	N.A.	N.A.	N.A.
Yugoslavia .....	2,295	2,676	3,065	3,278	3,215	3,430	3,202	3,517	3,638	4,260

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

China

Table 151

## Newsprint Production

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>12,700</b>	<b>15,100</b>	<b>18,800</b>	<b>18,300</b>	<b>18,900</b>	<b>19,300</b>	<b>19,600</b>	<b>17,300</b>	<b>18,500</b>	<b>19,100</b>
United States .....	1,818	1,978	3,035	3,013	3,131	3,138	3,080	3,153	3,104	3,190
Australia .....	90	95	173	179	182	199	201	196	206	209
Canada .....	6,068	7,003	7,996	7,733	8,079	8,351	8,711	7,010	7,895	8,155
Finland .....	781	1,213	1,305	1,306	1,397	1,386	1,219	992	991	986
New Zealand .....	91	199	214	218	213	218	209	219	275	N.A.
Norway .....	226	308	554	539	534	527	509	435	466	437
Sweden .....	582	679	1,030	1,011	963	1,076	1,223	1,213	1,164	1,111
European Community .....	<b>2,030</b>	<b>2,090</b>	<b>2,170</b>	<b>1,910</b>	<b>1,870</b>	<b>1,760</b>	<b>1,690</b>	<b>1,500</b>	<b>1,560</b>	<b>1,560</b>
France .....	551	450	430	381	330	305	276	238	258	261
Italy .....	259	379	311	267	329	263	273	243	264	239
United Kingdom .....	753	780	757	575	468	439	383	319	326	312
West Germany .....	230	216	408	441	504	516	522	486	501	539
<b>Other Countries</b>										
South Africa .....	0	54	160	165	164	217	200	210	212	241
South Korea .....	27	45	102	116	122	120	152	155	155	200
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	<b>678</b>	<b>1,636</b>	<b>1,420</b>	<b>1,470</b>	<b>1,530</b>	<b>1,613</b>	<b>1,660</b>	<b>1,660</b>	<b>1,690</b>	<b>N.A.</b>
USSR .....	434	1,333	1,101	1,152	1,212	1,298	1,334	1,361	1,390	N.A.
Eastern Europe .....	<b>244</b>	<b>303</b>	<b>319</b>	<b>319</b>	<b>321</b>	<b>315</b>	<b>324</b>	<b>300</b>	<b>302</b>	<b>N.A.</b>
Czechoslovakia .....	34	78	81	78	81	77	80	77	79	79
East Germany .....	89	94	97	100	100	102	105	96	96	81
Poland .....	77	79	88	88	87	83	86	83	83	88
Romania .....	44	52	53	53	53	53	53	44	44	N.A.
<b>Other</b>										
Yugoslavia .....	28	46	75	80	76	76	79	85	90	96

Table 152

## Plywood Production

Thousand Cubic Meters

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b> .....	<b>12,400</b>	<b>19,800</b>	<b>26,200</b>	<b>28,900</b>	<b>31,400</b>	<b>32,900</b>	<b>27,700</b>	<b>25,400</b>	<b>29,100</b>	<b>30,600</b>
United States .....	7,910	12,811	14,078	16,184	17,746	18,054	15,172	14,579	16,727	17,700
Canada .....	1,000	1,702	1,851	2,066	2,202	2,451	2,085	2,051	2,442	2,647
Finland .....	414	545	706	672	702	730	568	415	491	460
Japan .....	1,286	2,627	7,058	7,340	7,748	8,596	7,443	6,168	7,120	N.A.
Spain .....	75	131	225	264	270	272	285	266	290	280
European Community .....	<b>1,350</b>	<b>1,640</b>	<b>1,840</b>	<b>1,930</b>	<b>2,210</b>	<b>2,230</b>	<b>1,830</b>	<b>1,490</b>	<b>1,600</b>	<b>1,570</b>
France .....	390	477	643	691	759	818	707	551	580	580
Italy .....	150	300	420	470	700	650	280	400	420	400
West Germany .....	660	670	569	554	541	542	468	400	449	450
<b>Other Countries</b> .....										
Brazil .....	98	220	342	431	606	659	655	660	695	N.A.
Malaysia .....	2 <sup>1</sup>	28	197	231	330	375	311	404	524	N.A.
Philippines .....	287	257	271	281	338	533	331	302	457	N.A.
Singapore .....	N.A.	32	215	250	327	350	350	334	334	N.A.
South Korea .....	29	215	847	1,048	1,214	1,459	1,233	1,436	1,671	N.A.
<b>Communist Countries</b> .....										
<b>USSR and Eastern Europe</b> .....	<b>1,940</b>	<b>2,470</b>	<b>2,830</b>	<b>2,900</b>	<b>2,890</b>	<b>2,950</b>	<b>3,000</b>	<b>3,090</b>	<b>3,100</b>	<b>N.A.</b>
USSR .....	1,354	1,756	2,045	2,083	2,110	2,142	2,160	2,196	2,174	N.A.
<b>Eastern Europe</b> .....	<b>586</b>	<b>714</b>	<b>784</b>	<b>816</b>	<b>784</b>	<b>809</b>	<b>837</b>	<b>893</b>	<b>925</b>	<b>833</b>
Bulgaria .....	64	81	71	67	70	70	71	65	63	65
Czechoslovakia .....	184	163	161	183	189	191	199	224	236	179
East Germany .....	40	33	36	37	37	37	38	41	45	50
Hungary .....	45	35	20	20	19	17	18	14	13	11
Poland .....	158	166	205	205	204	223	226	258	272	238
Romania .....	95	236	291	304	265	271	285	291	296	290
<b>Other</b> .....										
Yugoslavia .....	102	155	161	165	172	161	180	175	176	242

<sup>1</sup> Including Singapore.



**AGRICULTURE**

**TABLE**

**PAGE**

153	Total Grain .....	135
154	Wheat .....	136
155	Coarse Grain .....	137
156	Rice .....	138
157	Potatoes .....	139
158	Sugar .....	140
159	Fish Catch .....	141
160	Cattle .....	142
161	Hogs .....	143
162	Meat .....	144
163	Milk .....	145
164	Wool .....	146
165	Ginned Cotton .....	147
166	Mineral Fertilizer Consumption .....	148
167	Nitrogen Fertilizer Consumption .....	149
168	Phosphate Fertilizer Consumption .....	150
169	Potassium Fertilizer Consumption .....	151

AGRICULTURE



Table 153

Production of Total Grain<sup>1</sup>

Million Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World <sup>2</sup> .....	929	1,010	1,220	1,320	1,290	1,400	1,360	1,390	1,500	1,470
OECD										
United States .....	181.26	183.46	186.72	237.59	228.05	237.20	204.45	248.84	256.32	261.49
Australia .....	10.81	9.68	12.86	14.78	10.75	16.96	16.33	17.73	17.37	13.94
Canada .....	25.39	30.56	26.47	36.62	33.30	34.59	29.08	35.23	43.14	40.24
Japan .....	20.18	18.24	17.00	14.64	15.55	15.66	15.88	16.96	15.18	16.81
Spain .....	7.27	8.86	10.30	13.68	12.07	11.63	13.27	14.19	12.74	13.51
Turkey .....	12.12	12.63	15.66	20.52	18.37	15.40	16.78	21.90	20.59	21.09
European Community .....	68.7	81.1	87.0	99.2	102	105	107	96.3	90.5	103
France .....	23.02	29.05	31.29	36.49	39.92	42.39	40.66	35.07	31.94	38.17
Italy .....	11.98	14.52	16.15	16.34	15.84	15.98	16.86	17.15	17.02	14.93
United Kingdom .....	9.46	13.62	13.01	14.77	15.31	15.12	16.24	13.82	13.17	16.96
West Germany .....	15.06	13.47	16.07	19.58	18.97	19.95	21.37	20.09	18.27	20.62
Other Countries										
Argentina .....	12.57	16.54	19.66	21.97	18.69	23.58	23.32	22.85	27.94	22.13
Bangladesh .....	14.57	15.82	16.86	15.05	15.29	17.99	17.08	19.30	17.93	19.89
Brazil .....	14.61	19.66	22.78	21.60	22.03	23.09	26.35	26.71	30.42	28.40
India .....	78.97	73.06	101.80	104.11	101.27	108.16	99.55	116.98	112.94	121.40
Indonesia .....	15.35	15.42	22.15	22.79	21.64	25.17	25.47	24.97	25.87	24.65
Mexico .....	7.36	11.32	14.99	14.83	14.39	14.87	14.56	15.35	17.18	16.56
Pakistan .....	6.24	4.46	11.75	10.93	11.44	12.38	12.25	12.82	13.81	14.20
Thailand .....	8.38	12.26	15.47	16.00	15.14	14.70	17.12	17.72	18.76	16.55
Communist Countries										
USSR and Eastern Europe .....	173	174	242	249	242	295	271	212	301	272
USSR <sup>3</sup> .....	125.56	121.06	186.80	181.18	168.24	222.53	195.71	140.12	223.75	195.54
Eastern Europe <sup>4</sup> .....	47.9	53.2	54.8	67.6	73.4	72.7	75.2	72.4	77.1	76.2
Bulgaria .....	4.84	5.22	6.77	7.06	8.15	7.32	6.26	7.37	8.00	7.22
Czechoslovakia .....	5.74	5.23	7.20	8.78	8.67	9.66	10.37	9.28	9.16	10.31
East Germany <sup>5</sup> .....	6.38	6.73	6.46	7.74	8.54	8.50	9.70	8.91	8.19	8.70
Hungary .....	6.90	7.41	7.54	9.71	10.73	11.60	12.37	12.10	11.23	12.22
Poland <sup>6</sup> .....	14.30	16.01	16.25	19.87	20.40	21.86	22.98	19.56	20.86	19.42
Romania .....	9.77	12.55	10.57	14.46	16.87	13.76	13.50	15.13	19.64	18.32
Far East										
China <sup>7</sup> .....	156.00	194.00	243.00	246.00	240.00	266.00	275.00	284.00	285.00	285.00
North Korea .....	2.66	3.15	3.50	N.A.	2.75	3.75	4.90	5.40	5.60	5.95
Vietnam .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	12.90	11.50	13.70	13.00
Other										
Cuba <sup>7</sup> .....	0.41	0.08	0.30	0.30	0.25	0.25	0.32	N.A.	N.A.	N.A.
Yugoslavia <sup>4</sup> .....	10.87	10.56	11.56	13.96	13.64	14.10	15.58	14.96	16.16	16.52

<sup>1</sup> Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.<sup>2</sup> Excluding rice for the People's Republic of China.<sup>3</sup> Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.<sup>4</sup> Excluding rice.<sup>5</sup> Including miscellaneous grains.<sup>6</sup> Including kaoliang, broad beans, and field peas. Tubers are included on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.<sup>7</sup> Data reflect only rice production and government collections of corn; total production is considerably higher.

Table 154

## Production of Wheat

Million Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	36.87	35.80	36.78	44.03	42.05	46.41	48.88	58.10	58.31	55.13
Australia .....	7.45	7.07	7.89	8.61	6.59	11.99	11.36	11.98	11.82	9.20
Canada .....	14.11	17.67	9.02	14.41	14.51	16.16	13.30	17.08	23.59	19.65
Spain .....	3.52	4.72	4.13	5.45	4.56	3.97	4.54	4.30	4.44	3.99
Turkey .....	7.00	7.43	10.08	13.59	12.28	10.08	11.08	14.83	13.00	13.50
European Community .....	27.8	35.3	34.8	40.1	41.4	41.5	45.3	38.1	39.5	38.6
France .....	11.01	14.76	12.92	15.48	18.05	17.85	19.10	15.01	16.15	17.05
Italy .....	6.79	9.78	9.69	9.99	9.42	8.92	9.70	9.61	9.53	6.65
United Kingdom .....	3.04	4.17	4.24	4.82	4.78	5.00	6.13	4.49	4.74	5.27
West Germany .....	4.82	4.22	5.66	7.14	6.61	7.13	7.76	7.01	6.70	7.13
<b>Other Countries</b>										
Argentina .....	4.20	6.08	4.92	5.68	7.90	6.56	5.97	8.57	11.00	6.00
India .....	10.32	12.26	20.09	23.83	26.41	24.74	21.78	24.10	28.85	29.08
Iran .....	2.60	2.90	4.26	3.61	4.40	4.60	4.70	5.48	5.50	5.00
Pakistan .....	3.91	4.59	7.29	6.48	6.89	7.44	7.63	7.67	8.69	8.94
<b>Communist Countries</b>										
USSR and Eastern Europe .....	77.2	78.1	119	123	112	136	111	90.0	125	120
USSR <sup>1</sup> .....	64.30	59.69	99.73	98.76	85.99	109.78	83.91	66.22	96.88	92.04
Eastern Europe .....	12.9	18.4	19.0	24.4	25.6	26.6	27.5	23.8	28.3	28.3
Bulgaria .....	2.38	2.92	3.03	3.10	3.58	3.26	2.91	2.77	3.15	3.01
Czechoslovakia .....	1.50	1.99	3.17	3.88	4.02	4.65	5.06	4.20	4.81	5.21
East Germany .....	1.46	1.80	2.13	2.49	2.74	2.86	3.15	2.74	2.72	3.00
Hungary .....	1.77	2.45	2.72	3.92	4.10	4.50	4.97	4.01	5.14	5.31
Poland .....	2.30	3.34	4.61	5.46	5.15	5.81	6.41	5.21	5.74	5.31
Romania .....	3.45	5.94	3.36	5.60	6.04	5.47	4.99	4.84	6.71	6.43
<b>Far East</b>										
China .....	N.A.	25.00	N.A.	33.00	36.00	36.00	N.A.	39.00	41.00	N.A.
<b>Other</b>										
Yugoslavia .....	3.57	3.46	3.79	5.60	4.84	4.75	6.28	4.40	5.98	5.62

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



Table 155

Production of Coarse Grains<sup>1</sup>

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World .....	414	441	540	609	594	633	612	615	679	673
OECD										
United States .....	141.91	144.20	146.14	189.67	182.13	186.58	150.46	184.92	192.70	201.86
Canada .....	11.28	12.89	17.45	22.21	18.79	18.43	15.79	18.15	19.55	20.59
Spain .....	3.39	3.80	5.79	7.87	7.16	7.28	8.37	9.51	7.90	9.13
Turkey .....	4.95	5.05	5.34	6.66	5.91	5.07	5.47	6.84	7.35	7.28
European Community .....	40.2	45.2	51.3	58.2	59.8	62.3	60.8	57.1	50.0	63.3
Denmark * .....	3.94	5.17	5.58	6.31	6.36	6.02	6.61	5.69	5.24	6.56
France .....	11.90	14.20	18.28	20.93	21.83	24.48	21.52	20.01	15.76	21.09
Italy .....	4.57	4.23	5.64	5.45	5.66	6.02	6.11	6.53	6.59	7.42
United Kingdom .....	6.42	9.44	8.77	9.95	10.53	10.12	10.11	9.33	8.43	11.69
West Germany .....	10.25	9.25	11.41	12.44	12.37	12.82	13.61	13.07	11.56	13.50
Other Countries										
Argentina .....	8.22	10.30	14.34	16.00	10.50	16.76	17.04	13.93	16.62	15.80
Brazil .....	9.10	11.44	14.29	14.20	14.95	14.42	17.01	16.93	19.42	18.60
India .....	16.64	14.87	18.31	15.61	15.93	17.28	18.34	19.70	19.84	18.00
Mexico .....	5.84	8.96	11.91	12.63	12.16	12.34	11.29	11.83	13.34	13.62
South Africa .....	5.76	5.06	6.67	9.29	10.14	4.71	11.94	9.70	10.12	10.00
Communist Countries										
USSR and Eastern Europe .....	95.1	95.5	121	124	128	157	158	120	174	149
USSR * .....	61.00	60.78	85.78	80.98	80.60	110.98	109.88	71.88	124.87	101.29
Eastern Europe .....	34.1	34.7	35.6	43.0	47.6	46.1	47.6	48.5	48.8	47.8
Bulgaria .....	2.43	2.27	3.67	3.89	4.51	4.00	3.35	4.60	4.89	4.20
Czechoslovakia .....	3.34	3.24	4.02	4.90	4.65	5.15	5.31	5.08	4.34	5.09
East Germany * .....	4.92	4.93	4.32	5.25	5.79	5.64	6.55	6.17	5.48	5.70
Hungary .....	5.08	4.94	4.78	5.72	6.57	7.03	7.34	8.02	6.09	6.90
Poland * .....	12.00	12.67	11.64	14.42	15.25	15.99	16.57	14.35	15.12	14.11
Romania .....	6.33	6.61	7.21	8.86	10.82	8.29	8.51	10.30	12.93	11.88
Far East										
China * .....	N.A.	N.A.	N.A.	N.A.	N.A.	9.90	N.A.	N.A.	108.00	N.A.
Other										
Cuba * .....	0.10	0.03	0.01	0.01	0.01	0.01	0.01	N.A.	N.A.	N.A.
Yugoslavia .....	7.34	7.10	7.77	8.35	8.80	9.35	9.30	10.56	10.18	10.95

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

\* Excluding corn.

\* Unless otherwise indicated, data include miscellaneous grains.

\* 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.

\* Including pulses, potatoes, and all grains except rice and wheat.

\* Corn only. Data reflect government collections only. Total production is considerably higher.

Table 156

Production of Rice<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World <sup>2</sup> .....	162,000	166,000	203,000	201,000	194,000	212,000	209,000	234,000	223,000	235,000
OECD										
United States .....	2,477	3,460	3,801	3,890	3,875	4,208	5,098	5,826	5,246	4,501
Japan .....	16,072	15,511	15,861	13,609	14,861	15,187	15,365	16,456	14,716	16,346
European Community .....	725	607	907	969	803	1,110	1,090	1,050	1,938	895
Italy .....	622	509	819	892	751	1,044	1,047	1,009	907	864
Other Countries										
Bangladesh .....	14,522	15,767	16,733	14,991	15,149	17,881	16,947	19,162	17,644	19,602
Brazil .....	5,392	5,802	5,394	6,132	6,632	6,483	7,000	8,500	8,000	7,800
Burma .....	6,850	8,258	8,162	8,175	7,357	8,601	8,581	9,207	9,312	8,900
India .....	52,011	45,929	63,401	64,667	58,926	66,141	59,428	73,183	64,245	74,324
Indonesia .....	14,953	15,063	19,324	20,182	19,387	21,481	22,463	22,331	23,301	22,353
South Korea .....	4,151	4,770	5,471	5,553	5,496	5,850	6,174	6,485	7,243	8,056
Thailand .....	9,508	11,164	13,570	13,744	12,219	14,350	14,500	15,200	15,760	14,500
Communist Countries										
USSR and Eastern Europe .....	313	683	1,460	1,630	1,810	1,950	2,080	2,210	2,110	2,380
USSR .....	187	583	1,279	1,430	1,647	1,765	1,913	2,009	2,001	2,213
Eastern Europe .....	126	100	176	200	166	181	167	205	110	167
Bulgaria .....	32	33	66	67	60	62	58	68	41	70
Hungary .....	45	21	45	67	61	69	56	69	32	32
Romania .....	49	46	65	66	45	50	53	68	37	65
Far East										
China .....	N.A.	N.A.	N.A.	N.A.	N.A.	130,000	N.A.	N.A.	126,000	N.A.
Vietnam <sup>3</sup> .....	4,212	4,600	4,500	3,700	4,600	3,900	4,500	4,500	12,500	11,300
Other										
Cuba .....	306	50	291	285	240	236	309	338	N.A.	N.A.
Yugoslavia .....	22	25	32	36	31	32	31	37	23	30

<sup>1</sup> Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.<sup>2</sup> Excluding data for the People's Republic of China.<sup>3</sup> Prior to 1976, data for North Vietnam.

Table 157

## Production of Potatoes

Million Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>World</b> .....	<b>285</b>	<b>285</b>	<b>312</b>	<b>294</b>	<b>281</b>	<b>317</b>	<b>297</b>	<b>286</b>	<b>290</b>	<b>307</b>
<b>OECD</b> .....	<b>97.2</b>	<b>82.4</b>	<b>84.6</b>	<b>81.1</b>	<b>76.1</b>	<b>75.6</b>	<b>79.1</b>	<b>68.2</b>	<b>68.1</b>	<b>76.7</b>
United States .....	11.68	13.14	14.78	14.49	13.43	13.59	15.53	14.51	16.21	15.90
Austria .....	3.81	2.54	2.70	2.72	2.34	2.12	2.00	1.58	1.75	1.36
Canada .....	2.06	2.11	2.30	2.06	2.00	2.17	2.50	2.12	2.34	2.49
Japan .....	3.59	4.06	3.62	3.27	3.54	3.42	2.94	3.26	3.74	3.19
Spain .....	4.62	4.00	5.30	4.86	5.28	5.58	5.69	5.34	5.63	5.68
European Community .....	<b>61.3</b>	<b>47.5</b>	<b>46.5</b>	<b>44.8</b>	<b>41.0</b>	<b>40.4</b>	<b>41.8</b>	<b>33.2</b>	<b>29.3</b>	<b>38.4</b>
France .....	15.89	11.07	8.90	9.02	7.40	7.34	7.62	6.86	4.36	8.19
Italy .....	3.82	3.55	3.67	3.26	2.95	2.95	2.85	2.90	2.94	3.25
Netherlands .....	3.97	3.24	5.65	5.75	5.58	5.77	6.10	5.00	4.78	5.48
United Kingdom .....	7.27	7.58	7.82	7.74	6.86	7.09	6.79	4.55	4.80	6.35
West Germany .....	24.54	18.09	16.25	15.18	15.04	13.68	14.55	10.85	9.81	11.35
<b>Other Countries</b> .....										
Argentina .....	2.07	2.49	2.34	1.96	1.34	1.54	2.17	1.35	1.53	1.77
India .....	2.75	3.60	3.91	4.81	4.83	4.45	4.86	6.22	7.31	7.29
<b>Communist Countries</b> .....										
<b>USSR and Eastern Europe</b> .....	<b>149</b>	<b>152</b>	<b>169</b>	<b>152</b>	<b>150</b>	<b>181</b>	<b>153</b>	<b>151</b>	<b>152</b>	<b>144</b>
USSR .....	84.37	88.68	96.78	92.66	78.33	108.20	81.02	88.70	85.10	83.40
<b>Eastern Europe</b> .....	<b>64.3</b>	<b>63.4</b>	<b>72.4</b>	<b>59.5</b>	<b>71.3</b>	<b>72.6</b>	<b>72.3</b>	<b>62.0</b>	<b>67.2</b>	<b>60.8</b>
Bulgaria .....	0.48	0.28	0.37	0.40	0.38	0.33	0.34	0.32	0.35	0.39
Czechoslovakia .....	5.09	3.68	4.79	4.62	5.06	5.09	4.52	3.57	4.21	3.76
East Germany .....	14.82	12.86	13.05	9.41	12.14	11.40	13.40	7.67	6.82	10.00
Hungary .....	3.00	1.76	1.81	1.49	1.31	1.16	1.36	1.27	1.09	1.20
Poland .....	37.90	42.66	50.30	39.80	48.74	51.93	48.52	46.43	49.95	41.32
Romania .....	3.01	2.19	2.06	3.78	3.67	2.64	4.12	2.72	4.79	4.16
<b>Other</b> .....										
Cuba <sup>1</sup> .....	0.02	0.08	0.08	0.08	0.08	0.06	0.09	0.12	N.A.	N.A.
Yugoslavia .....	3.27	2.38	2.96	2.95	2.41	2.97	3.13	2.39	2.83	2.92

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

Table 158

Sugar Production<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	3,637	4,871	5,327	5,275	5,457	5,499	5,135	5,680	6,163	5,600
Australia <sup>3</sup> .....	1,441	2,073	2,507	2,732	2,869	2,583	2,938	2,930	3,395	3,390
European Community .....	7,630	7,740	9,090	10,400	10,100	10,200	9,300	11,000	10,900	11,500
France .....	2,267	2,483	3,026	3,604	3,459	3,512	3,147	3,940	3,343	4,300
Italy .....	998	1,242	1,190	1,123	1,253	1,194	982	1,429	1,758	1,200
United Kingdom .....	860	967	925	1,055	1,124	908	837	724	659	850
West Germany .....	1,877	1,634	2,100	2,376	2,264	2,459	2,506	2,571	2,844	2,850
<b>Other Countries<sup>4</sup></b>										
Brazil .....	3,319	4,614	5,019	5,298	6,151	6,937	6,931	6,299	7,236	8,300
India .....	2,814	3,493	4,634	3,959	3,707	3,988	4,489	5,048	5,033	5,000
Mexico .....	1,530	2,120	2,402	2,489	2,587	2,810	2,838	2,636	2,710	2,900
Philippines .....	1,398	1,659	1,980	2,171	2,099	2,250	2,656	2,672	2,984	2,570
South Africa .....	952	1,014	1,649	1,720	2,111	1,953	1,970	1,968	2,113	2,170
<b>Communist Countries</b>										
USSR and Eastern Europe <sup>5</sup> .....	11,100	16,200	15,300	14,200	14,300	16,400	14,700	16,100	14,600	18,200
USSR .....	6,916	11,997	11,110	9,810	9,677	11,646	10,267	11,285	10,053	13,043
Eastern Europe .....	4,210	4,240	4,180	4,440	4,610	4,760	4,420	4,800	4,580	5,110
Bulgaria .....	186	342	403	387	308	407	370	343	393	350
Czechoslovakia .....	958	874	951	900	887	859	896	913	684	939
East Germany .....	739	618	587	640	720	704	709	793	725	758
Hungary .....	414	465	304	262	324	326	290	335	395	476
Poland <sup>6</sup> .....	1,484	1,505	1,509	1,723	1,804	1,782	1,595	1,857	1,773	1,813
Romania .....	425	437	410	527	565	683	561	561	610	775
<b>Other</b>										
Cuba <sup>7</sup> .....	5,942	6,156	8,538	5,924	4,325	5,253	5,925	6,432	6,280	6,345
Yugoslavia .....	243	363	385	421	374	483	502	571	627	725

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

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

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

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

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

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

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(cc)

Table 159

Fish Catch<sup>1</sup>

	Thousand Metric Tons								
	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>World</b> .....	<b>40,200</b>	<b>53,200</b>	<b>70,400</b>	<b>70,700</b>	<b>66,100</b>	<b>66,800</b>	<b>70,300</b>	<b>69,900</b>	<b>73,500</b>
<b>OECD</b>									
United States .....	2,815	2,696	2,776	2,820	2,695	2,719	2,744	2,743	3,000
Canada .....	934	1,262	1,389	1,290	1,169	1,157	1,037	1,029	1,136
Iceland .....	593	1,199	734	685	726	902	945	995	986
Japan .....	6,207	6,929	9,366	9,950	10,272	10,748	10,805	10,524	10,620
Norway .....	1,543	2,312	2,986	3,075	3,186	2,987	2,645	2,550	3,435
Spain .....	970	1,355	1,538	1,504	1,536	1,578	1,510	1,523	1,483
European Community .....	<b>3,580</b>	<b>4,110</b>	<b>4,540</b>	<b>4,630</b>	<b>4,670</b>	<b>4,790</b>	<b>5,140</b>	<b>4,880</b>	<b>5,070</b>
Denmark .....	581	841	1,226	1,401	1,443	1,465	1,835	1,767	1,912
France .....	734	768	782	758	797	823	808	806	806
United Kingdom .....	924	1,047	1,099	1,107	1,084	1,136	1,089	980	1,051
West Germany .....	674	633	613	508	419	478	526	442	454
<b>Other Countries</b>									
Chile .....	340	708	1,209	1,506	818	691	1,158	930	1,264
India .....	1,161	1,331	1,756	1,852	1,637	1,958	2,255	2,328	2,400
Indonesia .....	761	1,102	1,228	1,245	1,270	1,265	1,336	1,382	1,448
Peru .....	3,727	7,632	12,535	10,529	4,725	2,328	4,145	3,448	4,343
Philippines .....	466	686	1,006	1,046	1,128	1,251	1,298	1,366	1,430
Thailand .....	221	627	1,448	1,587	1,679	1,679	1,516	1,553	1,640
<b>Communist Countries</b>									
USSR and Eastern Europe .....	<b>3,890</b>	<b>6,400</b>	<b>8,790</b>	<b>8,830</b>	<b>9,300</b>	<b>10,200</b>	<b>10,800</b>	<b>11,700</b>	<b>11,800</b>
USSR <sup>2</sup> .....	3,541	5,774	7,828	7,785	8,209	9,005	9,622	10,357	10,478
Eastern Europe .....	<b>349</b>	<b>624</b>	<b>966</b>	<b>1,050</b>	<b>1,090</b>	<b>1,160</b>	<b>1,210</b>	<b>1,330</b>	<b>1,280</b>
Bulgaria .....	8	17	84	97	103	96	109	151	160
Czechoslovakia .....	9	11	13	14	15	15	16	17	17
East Germany .....	114	229	319	332	323	334	326	325	279
Hungary .....	15	20	15	18	17	16	16	16	17
Poland .....	187	301	473	512	549	589	615	679	688
Romania .....	16	46	62	75	84	106	130	139	124
<b>Other</b>									
Cuba .....	31	40	106	126	140	150	165	174	204
Yugoslavia .....	31	42	46	49	49	51	54	57	59

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

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

Table 160

Cattle Numbers<sup>1</sup>

Million Head

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	96.24	109.00	112.37	114.58	117.86	121.53	127.67	131.83	127.98	122.90
Australia .....	16.50	18.82	22.16	24.37	27.37	29.10	30.84	32.79	33.43	32.00
Canada .....	10.39	12.13	11.63	11.98	12.27	12.73	13.21	14.01	13.70	13.18
New Zealand .....	5.99	6.80	8.78	8.82	8.77	9.09	9.42	9.64	9.77	9.57
Turkey <sup>2</sup> .....	14.30	14.41	14.37	13.87	13.68	14.08	14.26	14.41	14.80	15.00
European Community .....	65.6	68.0	72.9	71.9	71.7	74.8	79.0	79.2	77.4	76.9
France .....	18.74	20.24	21.72	21.74	21.70	22.56	23.95	24.33	23.84	23.51
Italy <sup>3</sup> .....	9.40	9.23	9.61	8.78	8.67	8.74	8.49	8.24	8.53	8.90
United Kingdom .....	11.48	11.69	12.30	12.44	12.92	13.76	14.84	14.84	13.92	13.30
West Germany .....	12.48	13.05	14.29	14.03	13.64	13.89	14.36	14.43	14.49	14.52
<b>Other Countries</b>										
Argentina .....	43.52	46.79	48.44	49.79	52.31	54.77	58.25	59.55	59.05	58.35
Brazil <sup>4</sup> .....	72.89	84.25	78.45	81.13	85.13	86.14	92.00	94.00	95.00	96.00
Colombia .....	15.00	17.00	20.20	20.51	20.96	22.10	23.03	23.03	23.22	23.86
Ethiopia .....	22.45	25.42	26.23	26.59	26.76	24.02	26.93	25.88	25.96	N.A.
Mexico .....	17.41	21.08	24.88	26.05	26.37	26.83	27.51	28.70	29.20	28.60
South Africa .....	12.30	12.44	10.13	10.04	11.61	11.74	11.91	12.33	12.77	13.15
<b>Communist Countries</b>										
USSR and Eastern Europe .....	99.3	114	123	127	131	134	138	142	144	142
USSR <sup>5</sup> .....	74.16	87.17	95.16	99.22	102.43	104.01	106.27	109.12	111.03	110.35
Eastern Europe .....	25.2	26.6	27.9	28.1	29.0	30.2 <sup>6</sup>	31.6	32.5 <sup>6</sup>	32.5 <sup>6</sup>	32.1 <sup>6</sup>
Bulgaria .....	1.28	1.47	1.26	1.28	1.38	1.44	1.45	1.55	1.66	1.72
Czechoslovakia .....	4.30	4.44	4.22	4.29	4.35	4.47	4.56	4.57	4.56	4.65
East Germany <sup>7</sup> .....	4.46	4.68	5.17	5.19	5.29	5.38	5.48	5.58	5.53	5.47
Hungary .....	1.97	1.94	1.93	1.91	1.88	1.89	1.93	2.02	1.90	1.88
Poland .....	8.70 <sup>8</sup>	9.35	10.28	10.22	10.56	11.26	12.31	12.82 <sup>8</sup>	12.76	12.00
Romania .....	4.45	4.76	5.04	5.22	5.53	5.77	5.90	5.98	6.13	6.35
<b>Other</b>										
Yugoslavia .....	5.30	5.22	5.03	5.14	5.15	5.37	5.68	5.87	5.76	5.64

<sup>1</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>2</sup> Including buffalo.<sup>3</sup> As of 1 January.<sup>4</sup> As of 30 November of the previous year.<sup>5</sup> As of 30 June.<sup>6</sup> As of December 1974.

Table 161

Hog Numbers<sup>1</sup>

	Million Head									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World .....	519	575	594	638	648	653	661	661	647	649
OECD										
United States .....	59.03	56.11	57.05	67.43	62.51	59.18	61.11	55.06	49.60	55.08
Canada .....	6.05	5.60	6.56	7.72	7.38	7.30	6.99	5.90	5.41	5.59
Japan .....	1.92	3.98	6.34	6.90	6.98	7.31	8.02	7.68	7.46	8.50
Spain .....	6.03	4.02	6.92	6.92	7.18	8.47	8.31	7.86	8.58	8.75
European Community .....	44.9	55.4	65.2	70.1	68.4	68.9	70.4	69.7	68.1	70.2
Denmark .....	6.20	8.20	8.35	8.73	8.73	8.70	8.24	8.05	7.58	7.90
France .....	8.36	9.04	10.46	11.57	11.28	11.37	11.42	12.03	11.45	11.64
Italy .....	4.15	5.41	9.22	8.98	8.20	8.20	8.20	8.81	8.89	9.15
Netherlands .....	2.82	3.69	5.47	6.23	6.13	6.41	6.91	7.14	7.06	7.15
United Kingdom .....	6.01	7.94	8.13	8.55	8.88	8.84	9.27	7.83	7.67	7.80
West Germany .....	14.87	18.15	19.32	20.97	19.98	20.03	20.45	20.23	19.80	20.73
Other Countries										
Brazil .....	46.82	58.70	31.50	32.10	33.00	34.00	42.00	43.50	45.00	47.00
Mexico .....	6.08	8.53	10.30	9.97	10.98	9.40	11.66	12.10	13.00	13.20
Philippines .....	6.57	6.94	6.46	7.05	7.74	8.63	6.71	6.60	6.49	6.50
Communist Countries										
USSR and Eastern Europe .....	91.9	97.6	98.7	113	122	120	128	132	117	119
USSR .....	53.37	52.84	56.06	67.48	71.43	66.59	70.03	72.27	57.90	63.06
Eastern Europe .....	38.5	44.8	42.7	45.1	51.0	53.7	58.0	60.2	59.5	56.4
Bulgaria .....	2.27	2.61	1.97	2.37	2.81	2.60	2.43	3.42	3.89	3.46
Czechoslovakia .....	5.69	6.14	5.04	5.53	5.94	6.09	6.27	6.72	6.68	6.82
East Germany <sup>2</sup> .....	8.28	8.76	9.24	9.68	10.00	10.36	10.85	11.52	11.50	11.29
Hungary .....	5.36	7.04	5.70	7.31	7.59	6.86	8.01	8.29	6.95	7.85
Poland .....	12.60	14.20	14.76	13.86	16.95	19.02	21.45	21.71	21.65	16.77
Romania .....	4.30	6.03	5.97	6.36	7.74	8.78	8.99	8.57	8.81	10.19
Far East										
China .....	N.A.	160.20	196.20	217.80	248.30	241.90	257	N.A.	N.A.	240
Other							260.00			280.00
Other										
Cuba .....	N.A.	1.75	0.26 <sup>3</sup>	0.32 <sup>4</sup>	0.38 <sup>4</sup>	0.38 <sup>4</sup>	0.49 <sup>4</sup>	0.60 <sup>4</sup>	N.A.	N.A.
Yugoslavia .....	6.21	6.99	5.54	6.56	6.22	6.34	7.40 <sup>5</sup>	7.68	6.54	7.33

<sup>1</sup> Unless otherwise indicated, data are as of the beginning of the year.<sup>2</sup> As of 30 November of the previous year.<sup>3</sup> As of 30 June.<sup>4</sup> State sector only.<sup>5</sup> As of 15 January.

Table 182

Meat Production<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977 <sup>2</sup>
World .....	65,400 <sup>3</sup>	73,300 <sup>3</sup>	102,000	105,000	108,000	109,000	115,000	116,000	119,000	123,000
OECD										
United States .....	12,808	14,306	22,548	23,326	23,303	22,105	23,628	22,999	25,061	25,336
Australia .....	1,360	1,668	2,166	2,210	2,497	2,566	2,197	2,438	2,796	2,868
Canada .....	1,100	1,340	2,053	2,187	2,138	2,144	2,162	2,102	2,242	2,281
Japan .....	318 <sup>4</sup>	589 <sup>4</sup>	1,398	1,712	1,836	1,853	2,071	2,144	2,167	2,289
New Zealand .....	746	781	1,009	1,018	1,048	1,064	971	1,059	1,186	1,142
Spain .....	554 <sup>4</sup>	599 <sup>4</sup>	1,255	1,262	1,225	1,698	1,925	1,857	1,909	2,072
European Community .....	10,200	11,500	16,100	16,800	16,400	16,700	18,400	18,300	18,400	18,700
Denmark .....	760 <sup>4</sup>	901 <sup>4</sup>	1,040	1,078	1,047	1,080	1,099	1,058	1,056	1,089
France .....	2,646 <sup>4</sup>	2,836 <sup>4</sup>	3,814	4,033	3,986	3,952	4,349	4,347	4,471	4,450
Italy .....	1,011 <sup>4</sup>	1,083 <sup>4</sup>	2,054	2,064	2,012	2,217	2,693	2,703	2,808	2,878
Netherlands .....	674 <sup>4</sup>	772 <sup>4</sup>	1,396	1,531	1,483	1,530	1,714	1,617	1,668	1,722
United Kingdom .....	1,719	2,018	2,604	2,610	2,714	2,689	2,885	2,927	2,790	2,814
West Germany .....	2,694 <sup>4</sup>	3,074 <sup>4</sup>	3,749	3,882	3,668	3,678	3,952	4,020	4,146	4,245
Other Countries										
Argentina .....	2,277 <sup>4</sup>	2,445 <sup>4</sup>	3,188	2,696	2,870	2,752	2,804	3,072	3,464	3,441
Brazil .....	1,767 <sup>4</sup>	2,039 <sup>4</sup>	3,015	2,907	3,289	3,339	3,287	3,363	3,477	3,596
Mexico .....	586 <sup>4</sup>	750 <sup>4</sup>	1,024	1,082	1,150	1,101	1,314	1,323	1,296	1,332
Communist Countries										
USSR and Eastern Europe .....	12,100	14,000	16,800	17,900	18,700	18,900	20,400	21,000	18,500	20,700
USSR <sup>5</sup> .....	8,682	9,956	12,278	13,272	13,633	13,527	14,620	14,968	13,600	14,800
Eastern Europe <sup>6</sup> .....	3,410	4,030	4,480	4,640	5,070	5,330	5,780	6,020	5,900	5,880
Bulgaria .....	173	278	266	282	313	312	297	361	408	399
Czechoslovakia .....	488	602	640	676	708	729	766	793	774	804
East Germany .....	760	880	994	1,008	1,083	1,135	1,213	1,312	1,288	1,322
Hungary <sup>7</sup> .....	431	476	518	606	646	599	647	721	653	716
Poland <sup>7</sup> .....	1,148	1,334	1,478	1,463	1,619	1,773	2,017	2,011	1,901	1,748
Romania .....	414	457	588	608	702	786	844	824	877	895
Other										
Yugoslavia <sup>8</sup> .....	513	630	632	699	656	630	751	776	768	769

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

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

<sup>3</sup> Excluding poultry.

<sup>4</sup> Including horsemeat.

<sup>5</sup> Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition to the meats listed in footnote 1 above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat.

<sup>6</sup> Including horsemeat, edible offal, and live exports.

<sup>7</sup> Including horsemeat and edible offal.

<sup>8</sup> Including live exports.



Table 163

Milk Production<sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	53,702	56,324	53,268	53,765	54,388	52,445	52,414	52,312	54,554	55,773
Australia .....	6,355	6,969	7,712	7,349	7,275	7,264	6,957	6,670	6,421	5,877
Canada .....	8,385	8,328	8,272	8,063	8,018	7,659	7,626	7,744	7,685	7,700
Japan .....	1,887	3,221	4,760	4,820	4,937	4,908	4,868	4,961	5,266	5,735
New Zealand .....	5,318	6,232	5,907	6,257	6,248	6,044	5,674	5,909	6,359	6,442
European Community .....	83,500	88,400	91,100	91,600	96,500	97,800	97,900	98,800	100,000	103,000
Denmark .....	5,399	5,367	4,630	4,556	4,786	4,729	4,818	4,918	5,045	5,150
France <sup>2</sup> .....	22,652	26,771	27,245	27,638	29,937	30,397	30,629	30,910	30,801	31,910
Italy <sup>3</sup> .....	9,648	9,184	8,936	9,350	10,102	10,339	9,966	10,032	10,223	10,530
Netherlands .....	6,838	7,142	8,239	8,392	8,951	9,354	9,915	10,221	10,490	10,590
United Kingdom <sup>4</sup> .....	12,670	11,386	12,374	12,709	13,444	14,287	13,692	13,520	14,030	14,200
West Germany .....	19,250	21,253	21,856	21,165	21,490	21,265	21,508	21,604	22,165	22,500
<b>Other Countries</b>										
Argentina .....	4,530	4,667	4,196	4,829	5,344	5,792	5,980	5,646	5,520	5,000
Brazil <sup>5</sup> .....	5,045	6,194	7,722	7,414	7,517	7,211	8,497	10,003	10,508	11,000
India <sup>6</sup> .....	N.A.	N.A.	22,040	22,500	22,700	23,100	23,700	24,000	24,300	24,200
Mexico <sup>7</sup> .....	2,473	4,121	4,899	5,385	6,007	6,199	6,331	6,619	6,789	6,830
Spain <sup>8</sup> .....	N.A.	3,993	4,894	4,800	5,045	5,332	5,429	5,504	5,795	6,065
<b>Communist Countries</b>										
USSR and Eastern Europe .....	88,800	101,000	116,000	116,000	118,000	124,000	129,000	127,000	127,000	133,000
USSR <sup>9</sup> .....	61,718	72,563	83,016	83,183	83,181	88,300	91,760	90,804	89,700	94,800
Eastern Europe .....	27,100	28,700	32,700	33,100	34,700	36,100	37,100	36,700	37,200	38,600
Bulgaria .....	745	1,000	1,252	1,291	1,308	1,345	1,411	1,436	1,458	1,525
Czechoslovakia <sup>10</sup> .....	3,830	3,924	4,795	4,924	5,124	5,431	5,504	5,463	5,401	5,530
East Germany <sup>11</sup> .....	5,730	6,371	7,091	7,150	7,515	7,738	8,076	8,095	8,092	8,100
Hungary <sup>12</sup> .....	1,958	1,762	1,863	1,803	1,811	1,957	2,020	1,822 <sup>13</sup>	1,931 <sup>14</sup>	2,143 <sup>15</sup>
Poland .....	12,501	13,345	14,950	15,148	15,766	16,245	16,668	16,377	16,521	17,100
Romania <sup>16</sup> .....	2,358	2,304	2,755	2,830	3,164	3,390	3,387	3,458	3,827	4,230
<b>Other</b>										
Cuba .....	N.A.	N.A.	690	675	758	781	799	800	N.A.	N.A.
Yugoslavia .....	2,283	2,303	2,567	2,581	2,814	3,106	3,487	3,654	3,846	4,410

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

Table 164

Wool Production <sup>1</sup>

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>World</b> .....	<b>2,450</b>	<b>2,540</b>	<b>2,660</b>	<b>2,610</b>	<b>2,410</b>	<b>2,350</b>	<b>2,490</b>	<b>2,480</b>	<b>2,460</b>	<b>2,430</b>
<b>OECD</b>										
United States .....	146.20	109.30	85.02	81.90	79.56	72.05	64.71	56.86	51.68	48.80
Australia .....	737.20	754.23	923.40	891.37	880.42	735.21	700.89	793.48	754.30	702.72
New Zealand .....	266.50	315.16	333.80	334.00	322.00	308.80	284.80	294.10	311.80	302.50
Turkey .....	43.50	43.00	47.15	47.52	50.29	51.74	52.40	52.32	54.00	54.59
Spain .....	35.10	36.40	33.81	32.06	31.67	31.76	31.62	29.15	28.56	27.80
European Community .....	<b>116</b>	<b>117</b>	<b>93.2</b>	<b>95.2</b>	<b>95.4</b>	<b>96.1</b>	<b>97.5</b>	<b>97.4</b>	<b>95.6</b>	<b>94.0</b>
France .....	29.53	25.40	20.30	21.00	21.23	21.40	21.70	21.90	22.10	22.20
Ireland .....	11.20	11.90	9.72	10.73	10.25	9.97	9.44	9.30	8.30	7.14
Italy .....	13.38	15.80	11.70	11.36	11.10	11.10	11.40	11.60	11.70	11.90
United Kingdom .....	54.98	58.65	46.30	47.00	47.63	48.49	49.62	49.26	47.63	46.90
<b>Other Countries</b>										
Afghanistan .....	N.A.	N.A.	27.00	22.00	22.40	23.10	24.00	26.00	26.00	26.60
Argentina .....	221.10	220.60	170.00	156.00	164.00	160.00	155.00	160.00	167.00	170.00
Brazil .....	24.10	35.47	31.71	31.70	37.10	35.71	34.40	28.86	28.00	28.65
Chile .....	23.90	25.49	25.50	19.50	18.25	17.67	18.29	18.80	19.18	22.10
India .....	34.11	35.02	36.00	39.00	30.80	30.10	30.50	31.00	32.10	32.70
Iran .....	29.60	34.30	20.00	22.49	22.00	21.00	22.00	22.50	23.00	23.40
Morocco .....	15.00	14.00	15.50	13.50	20.00	23.00	21.00	20.00	21.00	21.00
Pakistan .....	14.70	17.00	19.50	20.41	23.59	23.59	22.68	22.68	21.10	23.00
South Africa <sup>2</sup> .....	143.80	159.30	145.60	124.00	118.80	109.30	105.70	108.40	102.80	100.60
Uruguay .....	82.50	84.00	79.65	82.51	58.88	54.81	51.83	54.24	56.00	56.32
<b>Communist Countries</b>										
USSR and Eastern Europe .....	<b>427</b>	<b>436</b>	<b>507</b>	<b>517</b>	<b>511</b>	<b>525</b>	<b>555</b>	<b>563</b>	<b>534</b>	<b>563</b>
USSR .....	356.80	356.90	418.90	428.80	420.10	433.30	461.60	466.60	435.00	458.00
Eastern Europe .....	<b>70.5</b>	<b>78.9</b>	<b>88.1</b>	<b>87.8</b>	<b>90.9</b>	<b>91.6</b>	<b>93.9</b>	<b>96.6</b>	<b>99.1</b>	<b>105</b>
Bulgaria .....	21.04	25.80	28.81	29.74	31.47	32.23	33.00	34.01	33.84	34.50
Czechoslovakia <sup>3</sup> .....	2.50	2.03	3.99	4.02	3.82	3.68	3.61	3.49	3.50	3.50
East Germany .....	7.90	8.10	6.90	7.50	7.70	8.40	9.10	9.70	10.60	11.00
Hungary .....	8.20	10.06	9.78	8.84	8.29	7.58	8.30	8.39	8.57	9.91
Poland .....	9.04	7.50	8.94	9.06	8.96	8.63	9.00	9.45	10.56	10.50
Romania .....	21.85	25.41	29.72	28.67	30.70	31.04	30.86	31.53	32.02	36.00
<b>Other</b>										
Yugoslavia .....	13.55	12.56	11.95	11.38	9.62	9.55	10.31	10.66	9.90	10.00

<sup>1</sup> Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."<sup>2</sup> Including data for Lesotho and Namibia.<sup>3</sup> Purchases.

Table 165

## Ginned Cotton Production

Thousand Metric Tons

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
World .....	10,400	12,200	11,800	13,000	13,700	13,700	14,000	11,800	12,600	14,100
OECD .....	3,420	3,770	2,800	3,010	3,750	3,520	3,330	2,490	2,970	3,970
United States .....	3,107	3,260	2,219	2,281	2,983	2,825	2,513	1,808	2,303	3,122
Greece .....	63	75	110	116	139	108	126	130	119	152
Turkey .....	169	325	400	525	543	513	598	480	475	607
Other Countries .....										
Argentina .....	124	104	85	87	125	127	171	133	159	173
Brazil .....	425	542	594	680	650	534	529	396	553	499
Colombia .....	70	65	117	128	137	134	152	121	149	173
Egypt .....	478	521	509	510	514	490	438	382	396	418
Guatemala .....	21	90	57	81	93	120	105	102	138	137
India .....	1,008	997	954	1,258	1,164	1,199	1,290	1,160	1,030	1,171
Iran .....	99	152	154	147	209	199	237	139	156	173
Mexico .....	457	567	312	372	386	325	484	197	225	325
Nicaragua .....	33	111	78	104	105	143	121	109	119	141
Pakistan .....	304	417	542	707	702	658	634	514	418	542
Sudan .....	114	164	245	244	199	236	215	108	156	163
Syria .....	111	180	150	157	163	156	145	158	156	152
Communist Countries .....										
USSR and Eastern Europe .....	1,480	1,940	2,360	2,430	2,500	2,620	2,870	2,690	2,820	2,980
USSR .....	1,458	1,925	2,343	2,414	2,481	2,606	2,859	2,674	2,815	2,978
Eastern Europe <sup>1</sup> .....	21	13	12	13	16	13	13	12	1	1
Bulgaria .....	21	13	12	13	16	13	12	11	1	1
Romania .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1	1	Negl.	Negl.
Far East .....										
China .....	900	1,650	2,000	2,200	2,100	2,550	2,500	2,400	2,350	2,200
Other <sup>1</sup> .....										
Yugoslavia .....	2	2	4	3	2	3	2	2	2	2

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

Table 166

	Mineral Fertilizers, Nutrient Content, Consumption								
	Kilograms per Hectare of Arable Land <sup>1</sup>								
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
<b>OECD<sup>2</sup></b>									
United States .....	38.9	63.0	80.9	79.3	82.9	86.5	76.7	90.0	95.4
Australia .....	21.2	29.2	22.2	21.7	26.1	32.3	19.7	15.9	23.2
Canada .....	8.6	16.3	18.5	20.1	23.4	27.3	28.4	29.8	31.9
Japan .....	N.A.	332.2	372.6	333.6	362.8	407.1	374.9	319.3	374.3
Spain .....	31.6	38.0	59.3	65.9	67.0	72.5	72.6	69.3	83.8
Turkey .....	1.5	5.7	15.7	17.9	22.4	25.5	22.1	29.8	42.9
European Community									
Belgium .....	360.3	474.9	578.6	578.0	599.5	617.7	577.3	513.0	530.7
Denmark .....	151.1	182.3	223.4	237.6	253.8	271.3	215.8	239.4	243.8
France .....	102.4	150.9	243.5	265.4	284.5	311.6	245.9	246.7	265.3
Ireland .....	124.8	172.1	365.0	359.9	465.1	462.3	340.1	410.7	465.4
Italy .....	51.5	70.7	89.6	116.8	125.3	115.4	103.5	121.0	105.7
Luxembourg .....	223.8	289.0	386.9	424.2	453.1	490.3	516.1	459.0	474.8
Netherlands .....	456.1	580.8	749.3	708.9	719.5	759.0	756.5	750.7	759.8
United Kingdom .....	183.3	206.5	259.9	268.2	236.8	258.3	257.0	262.9	278.7
West Germany .....	266.2	348.8	399.6	408.0	400.2	393.6	402.0	385.5	422.6
Other Countries									
Brazil .....	N.A.	8.2	28.3	31.2	44.5	45.0	47.6	52.3	69.2
India .....	2.3	4.7	13.2	16.0	16.3	17.2	15.7	16.5	19.4
	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>Communist Countries</b>									
USSR and Eastern Europe									
USSR <sup>3</sup> .....	11.2	26.5	44.3	48.8	53.2	58.0	62.6	74.3 <sup>4</sup>	76.4 <sup>4</sup>
Eastern Europe									
Bulgaria .....	33.8	79.1	141.1	140.8	143.3	140.6	126.4	156.5	151.6
Czechoslovakia <sup>5</sup> .....	91.4	166.3	240.4	257.6	266.9	276.8	279.2	314.7	315.9
East Germany <sup>2</sup> .....	197.4	262.2	310.7	331.9	334.0	361.3	376.3	361.5	357.3
Hungary .....	29.5	63.3	149.7	171.0	182.7	216.4	242.8	276.3	252.6
Poland <sup>2</sup> .....	49.0	83.1	167.8	189.1	201.1	221.3	230.7	242.4	237.3
Romania .....	8.1	25.4	56.5	60.3	60.9	81.9	88.0	114.0	109.0
Far East									
China <sup>5</sup> .....	4.6	13.7	27.5	31.1	35.4	41.5	39.4	44.7	N.A.
North Korea .....	N.A.	81.5	165.0	181.0	211.4	216.6	284.6	N.A.	N.A.
Other									
Albania .....	N.A.	15.3	78.8	83.1	89.1	91.4	99.8	100.6	115.9
Yugoslavia .....	27.9	54.8	77.0	81.9	88.1	87.3	84.3	89.6	91.8

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

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

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

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

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

Table 167

## Consumption of Nitrogen Fertilizers, Nutrient Content

	Thousand Metric Tons of N								
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
<b>OECD<sup>1</sup></b>									
United States .....	2,749	4,832	7,379	7,272	7,512	8,297	7,809	9,445	9,654
Canada .....	91	218	292	350	410	513	531	556	610
Japan .....	753	787	872	676	733	821	691	653	736
Spain .....	275	385	578	667	689	728	714	722	830
Turkey .....	25	72	243	287	369	430	283	482	676
European Community .....	2,450	3,580	4,940	5,170	5,280	5,570	5,410	5,830	6,060
France .....	565	871	1,453	1,525	1,588	1,833	1,555	1,708	1,815
Italy .....	323	462	594	625	692	672	672	724	671
United Kingdom .....	463	690	801	930	789 <sup>2</sup>	874 <sup>2</sup>	927 <sup>2</sup>	1,045 <sup>2</sup>	1,110 <sup>2</sup>
West Germany .....	618	874	1,131	1,131	1,189	1,101	1,201	1,228	1,323
<b>Other Countries<sup>1</sup></b>									
India .....	296	541	1,487	1,760	1,778	1,829	1,766	2,149	2,457
Mexico .....	155	264	438	519	471	526	654	833	891
Pakistan .....	N.A.	69	252	344	386	342	363	444	500
	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>Communist Countries</b>									
USSR and Eastern Europe .....	1,640	3,920	7,490	8,250	8,910	9,640	10,300	11,500	11,300
USSR <sup>2</sup> .....	769	2,282	4,605	5,182	5,606	6,224	6,696	7,407	7,330
Eastern Europe .....	868	1,640	2,890	3,070	3,300	3,420	3,610	4,140	3,990
Bulgaria .....	101	219	379	322	354	328	330	380	348
Czechoslovakia <sup>1</sup> .....	146	246	419	435	469	413	428	532	536
East Germany .....	247	414	511	577	658	666	671	678	755
Hungary .....	75	180	391	394	422	493	551	536	522
Poland <sup>1</sup> .....	274	433	822	907	979	1,074	1,143	1,228	1,213
Romania .....	25	144	367	431	421	442	490	788	612
<b>Far East</b>									
China .....	663	1,420	3,042	3,375	3,880	4,290	4,126	4,753	N.A.
North Korea .....	N.A.	115	270	295	330	330	395	414	N.A.
<b>Other</b>									
Albania .....	5	2	27	31	33	36	36	36	45
Yugoslavia .....	109	166	294	333	340	339	352	360	382

<sup>1</sup> Data are "fertilizer years"—in general, the year beginning 1 July.<sup>2</sup> Deliveries by manufacturers and importers to first buyers.<sup>3</sup> Data indicate the quantity supplied to agriculture.

Table 168

	Consumption of Phosphate Fertilizer, Nutrient Content								
	Thousand Metric Tons of P <sub>2</sub> O <sub>5</sub>								
	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
<b>OECD<sup>1</sup></b>									
United States .....	2,488	3,522	4,358	4,421	4,602	4,617	4,092	4,742	5,110
Australia .....	572	954	743	775	880	1,171	620	490	739
Canada .....	169	334	326	339	415	494	502	503	528
Japan .....	491	548	656	661	730	793	692	623	738
New Zealand .....	225	342	321	347	350	446	301	386	390
Spain .....	279	306	432	466	472	519	513	422	556
Turkey .....	12	69	176	195	237	280	227	389	578
European Community .....	2,740	3,440	4,350	4,520	4,620	4,660	3,800	3,770	4,000
France .....	877	1,259	1,809	1,932	2,067	2,168	1,711	1,664	1,800
Italy .....	379	453	518	574	583	472	368	490	432
United Kingdom .....	426	422	543	512	462	478	368	373	389
West Germany .....	652	819	913	935	903	917	877	780	887
<b>Other Countries<sup>1</sup></b>									
Brazil .....	77	87	377	447	690	724	806	892	1,206
India .....	56	134	462	565	587	650	471	467	635
	<b>1960</b>	<b>1965</b>	<b>1970</b>	<b>1971</b>	<b>1972</b>	<b>1973</b>	<b>1974</b>	<b>1975</b>	<b>1976</b>
<b>Communist Countries</b>									
USSR and Eastern Europe .....	1,840	3,380	5,180	5,540	5,720	6,200	6,790	7,570	7,820
USSR <sup>2</sup> .....	1,088	2,091	3,133	3,376	3,516	3,632	4,160	4,728	4,903
Eastern Europe .....	757	1,290	2,050	2,170	2,204	2,570	2,630	2,840	2,920
Bulgaria .....	50	132	235	266	230	259	216	250	253
Czechoslovakia <sup>4</sup> .....	159	255	350	366	363	393	374	476	511
East Germany .....	226	313	410	386	390	393	413	400	385
Hungary .....	66	125	217	251	266	322	362	430	371
Poland <sup>1</sup> .....	209	354	635	718	782	850	887	947	941
Romania .....	47	110	203	180	173	350	375	338	454
<b>Far East</b>									
China <sup>3</sup> .....	155	690	1,103	1,299	1,447	1,902	1,639	1,876	N.A.
North Korea .....	N.A.	43	50	55	70	90	160	161	N.A.
<b>Other</b>									
Albania .....	2	5	18	18	21	21	24	25	22
Yugoslavia .....	71	151	182	175	203	193	167	197	188

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

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

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

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

Table 169

## Consumption of Potassium Fertilizer, Nutrient Content

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

	1960/61	1965/66	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
<b>OECD<sup>1</sup></b>									
United States .....	1,967	2,922	3,839	3,930	4,207	4,601	4,039	4,726	5,292
Japan .....	600	613	610	578	600	685	722	571	691
Spain .....	95	92	206	262	257	274	266	258	308
European Community .....	2,850	3,330	3,990	4,120	4,230	4,470	3,730	3,640	3,840
France .....	750	970	1,389	1,503	1,646	1,826	1,390	1,314	1,425
Italy .....	104	168	225	250	266	267	231	276	199
United Kingdom .....	450	436	535	496	459	498	373	384	411
West Germany .....	1,006	1,190	1,185	1,234	1,148	1,163	1,170	1,099	1,195
<b>Other Countries<sup>1</sup></b>									
Brazil .....	106	100	306	351	456	528	521	511	698
India .....	28	90	228	303	332	360	336	278	319
	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>Communist Countries</b>									
USSR and Eastern Europe .....	1,830	3,460	5,090	5,840	6,070	6,750	6,940	8,720	8,900
USSR <sup>2</sup> .....	766	1,891	2,574	2,788	3,238	3,605	3,708	5,176	5,577
Eastern Europe .....	1,070	1,570	2,520	2,850	2,840	3,140	3,230	3,540	3,330
Bulgaria .....	6	10	25	48	62	46	22	50	56
Czechoslovakia <sup>1</sup> .....	191	395	514	571	585	572	585	667	634
East Germany .....	528	586	614	639	529	658	716	706	624
Hungary .....	27	53	229	309	329	387	423	553	495
Poland <sup>1</sup> .....	311	516	1,114	1,263	1,286	1,419	1,431	1,496	1,440
Romania .....	3	12	24	23	45	62	56	71	78
Far East									
China .....	0	5	121	145	157	243	337	305	N.A.
Other									
Albania .....	1	1	2	2	2	1	4	2	4
Yugoslavia .....	103	138	156	162	173	173	161	163	168

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





## TRANSPORTATION

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TABLE	PAGE
170-171 Railroad Freight .....	153-154
172-173 Motor Vehicle Freight .....	155
174-175 Inland Water Freight .....	156
176 Air Passengers .....	157
177 Air Freight .....	157
178 Civil Air Inventory .....	158
179 Ocean Freight .....	158
180-181 Petroleum Pipelines .....	158-159
182 Mainline Locomotive Inventory .....	160
183 Railroad Freight Car Inventory .....	160
184 Civilian Truck Inventory .....	161
185 Fishing Fleet Inventory .....	161
186 Merchant Fleet Inventory .....	162
187 Tanker Fleet Inventory .....	163
188 Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger .....	164

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Table 170  
Railroad Freight<sup>1</sup>

	Million Metric Tons									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	1,180.5	1,341.7	1,426.3	1,335.0	1,389.1	1,545.5	1,544.0	1,368.5	1,440.7	1,480.5
Canada <sup>3</sup> .....	161.2	204.4	211.2	222.7	231.6	233.2	255.6	252.4	256.3	267.4
European Community										
France .....	227.0	238.7	260.0	249.0	255.0	265.0	274.0	228.0	235.0	221.0
United Kingdom <sup>3</sup> .....	253.1	232.2	202.0	192.0	172.0	199.0	178.0	176.0	178.0	160.0
West Germany <sup>4</sup> .....	429.2	423.1	392.6	362.5	366.4	385.7	404.2	328.7	342.3	320.0
Communist Countries										
USSR and Eastern Europe <sup>5</sup> .....	2,820	3,520	4,140	4,340	4,510	4,720	4,930	5,090	5,140	N.A.
USSR .....	1,884.9	2,415.3	2,896.0	3,048.8	3,171.5	3,346.4	3,496.8	3,621.0	3,655.0	3,723.0
Eastern Europe										
Bulgaria .....	38.4	56.0	68.2	70.2	72.9	75.7	78.0	78.8	76.6	N.A.
Czechoslovakia .....	194.1	218.5	236.9	249.6	259.5	260.6	266.4	271.4	275.5	N.A.
East Germany .....	237.8	260.4	262.9	268.5	274.4	280.6	286.3	291.2	296.0	N.A.
Hungary <sup>5</sup> .....	96.0	114.8	117.4	119.2	118.7	122.6	129.8	131.7	131.5	134.5
Poland .....	286.9	341.3	382.3	398.1	415.9	431.5	453.0	464.2	465.2	481.1
Romania .....	77.5	114.4	171.3	184.8	193.7	206.0	218.1	228.3	238.0	N.A.
Far East										
China .....	510.0	440.0	615.0	725.0	770.0	830.0	865.0	945.0	945.0	1,065.0
North Korea .....	38.5	52.0	68.0	70.0	72.0	77.0	92.0	106.4	115.0	124.4

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

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

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

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

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

Table 171

Railroad Freight<sup>1</sup>

Billion Metric Ton-Kilometers

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>2</sup> .....	868.5	1,052.7	1,141.0	1,104.2	1,157.7	1,269.9	1,271.2	1,122.7	1,170.0	1,213.2
Canada <sup>3</sup> .....	95.5	127.1	158.0	170.3	178.7	183.2	195.2	191.9	193.5	201.9
Japan .....	53.4	57.3	63.4	62.2	59.5	58.3	52.4	47.4	46.3	41.8
European Community .....	168	175	201	187	187	199	204	167	177	170
France .....	56.9	64.6	70.4	67.0	68.5	73.9	77.0	64.0	68.5	66.0
Italy <sup>4</sup> .....	15.9	15.3	18.0	17.2	17.1	17.6	18.1	14.9	16.6	16.4
United Kingdom <sup>5</sup> .....	30.5	25.2	26.8	24.3	23.4	25.5	24.2	21.0	20.4	19.7
West Germany .....	52.3	57.1	71.3	65.0	64.6	67.1	69.1	55.1	59.2	55.7
<b>Other Countries</b>										
India <sup>6</sup> .....	87.8	116.8	127.4	133.3	136.6	122.4	134.8	148.2	154.3	160.9
South Africa <sup>7</sup> .....	30.8	42.7	57.2	57.2	60.4	60.0	65.6	65.1	69.3	80.0
<b>Communist Countries</b>										
USSR and Eastern Europe .....	1,690	2,180	2,770	2,930	3,060	3,280	3,440	3,580	3,650	N.A.
USSR .....	1,504.3	1,950.2	2,494.7	2,637.3	2,760.8	2,958.3	3,097.7	3,236.5	3,295.4	3,331.4
Eastern Europe .....	183	230	278	293	304	318	338	347	355	N.A.
Bulgaria .....	7.0	10.8	13.9	14.9	15.8	16.6	17.3	17.3	17.1	N.A.
Czechoslovakia .....	43.9	53.2	55.9	58.4	59.8	59.4	61.6	62.7	64.5	N.A.
East Germany .....	32.9	38.9	41.5	44.0	44.7	46.8	49.2	49.7	51.8	N.A.
Hungary .....	13.3	17.3	19.8	20.3	20.1	21.3	23.1	23.5	23.2	24.2
Poland .....	66.5	81.0	99.3	104.3	109.8	116.4	125.2	129.2	130.9	135.4
Romania .....	19.8	31.0	48.0	50.8	53.3	57.1	61.6	64.8	67.6	N.A.
<b>Far East</b>										
China .....	228.0	213.0	298.0	352.0	373.0	403.0	420.0	458.0	458.0	516.5
North Korea .....	9.1	10.5	14.3	14.7	15.1	16.2	20.2	24.3	26.4	28.6

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

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

<sup>3</sup> Excluding livestock.

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

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

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

<sup>7</sup> Including Namibia.

Table 172

## Motor Vehicle Freight

Billion Metric Ton-Kilometers

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	323.85	589.27	675.85	729.99	771.00	828.41	812.00	744.75	836.61	920.00
Japan .....	20.80	48.39	135.92	142.67	153.61	140.98	130.77	129.70	132.62	140.20
<b>Communist Countries<sup>2</sup></b>										
<b>USSR and Eastern Europe</b> .....	<b>119</b>	<b>175</b>	<b>278</b>	<b>303</b>	<b>327</b>	<b>359</b>	<b>395</b>	<b>433</b>	<b>461</b>	N.A.
USSR .....	98.52	143.08	220.83	240.37	258.08	283.77	312.50	338.00	355.10	380.00
<b>Eastern Europe</b> .....	<b>20.0</b>	<b>31.6</b>	<b>57.0</b>	<b>62.7</b>	<b>68.9</b>	<b>75.1</b>	<b>83.0</b>	<b>94.7</b>	<b>106</b>	N.A.
Bulgaria .....	2.04	3.82	7.90	8.59	9.12	10.08	10.78	12.39	15.00	15.63
Czechoslovakia .....	5.11	6.98	10.09	11.07	11.96	12.87	13.84	15.02	16.29	N.A.
East Germany .....	5.00	7.21	12.23	12.99	13.65	14.30	15.23	16.69	18.66	N.A.
Hungary .....	N.A.	2.73	5.82	6.59	7.08	7.35	8.15	8.73	9.44	N.A.
Poland .....	5.69	8.38	15.76	17.93	21.39	24.50	28.51	32.60	36.80	40.30
Romania .....	0.94	2.53	5.16	5.50	5.74	6.00	6.45	9.29	9.86	N.A.
<b>Far East</b>										
China .....	7.70	7.00	10.50	12.00	12.50	13.50	14.10	15.60	16.20	18.30

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

Table 173

Motor Vehicle Freight<sup>1</sup>

Million Metric Tons Carried

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	<b>9,920</b>	<b>12,900</b>	<b>17,800</b>	<b>19,200</b>	<b>20,500</b>	<b>22,300</b>	<b>24,100</b>	<b>25,900</b>	<b>26,900</b>	N.A.
USSR .....	8,493	10,746	14,623	15,688	16,704	18,243	19,645	20,955	21,595	22,754
<b>Eastern Europe</b> .....	<b>1,430</b>	<b>2,140</b>	<b>3,170</b>	<b>3,470</b>	<b>3,760</b>	<b>4,070</b>	<b>4,430</b>	<b>4,970</b>	<b>5,350</b>	N.A.
Bulgaria .....	128	281	493	528	566	602	659	724	765	N.A.
Czechoslovakia .....	428	578	703	775	843	897	919	997	1,048	N.A.
East Germany .....	270	346	464	497	518	523	541	588	674	N.A.
Hungary .....	135	239	407	433	445	455	479	501	523	N.A.
Poland .....	408	569	863	980	1,117	1,285	1,509	1,743	1,902	2,039
Romania .....	57	131	240	261	276	304	323	419	442	N.A.
<b>Far East</b>										
China .....	220	200	300	344	356	385	404	445	463	518

Table 174

	Inland Water Freight									
	Billion Metric Ton-Kilometers									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	123.00	162.55	229.21	237.36	261.19	252.98	269.60	265.16	289.42	305.00
European Community										
France .....	10.77	12.51	14.18	13.77	14.16	13.79	13.74	11.90	12.16	11.82
Netherlands .....	20.02	24.07	30.74	30.43	29.33	32.00	33.20	29.60	30.95	32.38
West Germany .....	40.39	43.31	48.81	44.99	43.97	48.48	50.97	47.56	45.80	46.15
<b>Communist Countries</b>										
USSR and Eastern Europe .....	107	143	186	195	192	201	225	234	235	N.A.
USSR .....	99.60	133.93	173.98	183.76	180.30	189.50	212.30	221.60	222.70	230.70
Eastern Europe .....	7.32	9.07	11.6	11.3	12.2	11.3	13.2	12.5	12.3	N.A.
Bulgaria .....	0.62	1.06	1.83	2.08	2.07	1.98	2.35	2.39	2.39	N.A.
Czechoslovakia .....	1.96	2.17	2.43	2.37	2.63	2.47	2.81	2.58	2.57	N.A.
East Germany .....	1.90	1.86	2.11	2.03	2.02	1.69	2.05	2.02	1.64	N.A.
Hungary .....	1.08	1.34	1.60	1.40	1.39	1.49	1.62	1.47	1.50	N.A.
Poland .....	0.90	1.41	2.29	2.15	2.52	1.94	2.35	1.95	2.35	2.34
Romania .....	0.86	1.22	1.35	1.29	1.56	1.73	2.01	2.08	1.86	N.A.

<sup>1</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1975, coastwise and foreign trade traffic within US waters together amounted to 75 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 101 billion metric ton-kilometers of domestic trade and 44 billion metric ton-kilometers of US foreign trade.

Table 175

	Inland Water Freight									
	Million Metric Tons Carried									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	358.56	428.63	502.22	508.45	541.82	541.10	543.60	528.17	551.30	580.00
European Community										
France .....	68.05	89.76	110.35	106.60	108.73	108.88	109.30	94.58	93.78	91.20
Netherlands .....	149.67	193.99	241.44	245.46	244.41	254.74	259.74	235.80	260.31	272.29
West Germany .....	171.36	195.69	240.00	229.98	228.50	245.83	252.11	227.30	230.03	231.78
<b>Communist Countries</b>										
USSR and Eastern Europe .....	235	298	395	420	437	459	497	524	536	N.A.
USSR .....	210.32	269.44	357.80	381.20	395.70	419.00	452.00	475.50	485.00	520.00
Eastern Europe .....	24.9	28.4	36.8	38.4	41.0	39.8	45.2	48.7	50.6	N.A.
Bulgaria .....	1.56	2.32	3.69	3.96	3.90	3.78	4.24	4.41	4.42	N.A.
Czechoslovakia .....	3.53	4.06	4.46	4.45	4.87	4.81	4.92	5.65	5.87	N.A.
East Germany .....	12.63	12.13	13.66	13.57	13.24	12.67	14.72	14.57	13.95	N.A.
Hungary .....	2.30	2.40	2.78	2.75	2.86	2.89	2.96	3.04	3.03	N.A.
Poland .....	2.95	4.68	8.84	9.59	10.87	10.25	12.47	14.89	16.62	19.14
Romania .....	1.91	2.86	3.40	4.10	5.27	5.43	5.88	6.10	6.74	N.A.

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

Table 176

Air Passengers

Billion Passenger-Kilometers

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	62.5	110.5	212.0	218.3	245.3	260.6	262.2	262.0	288.1	310.7
Canada .....	4.3	7.6	15.4	15.1	18.0	21.7	24.6	24.9	26.0	27.6
Japan .....	1.1	4.6	15.0	16.5	20.8	26.0	27.8	30.0	32.7	36.8
<b>European Community</b>										
France .....	5.2	7.5	13.6	14.0	17.5	19.7	21.7	23.3	25.1	26.9
United Kingdom .....	7.3	10.7	19.0	20.4	24.3	28.3	27.8	30.3	34.0	35.1
<b>Communist Countries</b>										
USSR .....	12.1	38.1	78.2	88.8	95.9	98.8	108.0	116.0	130.0	137.4

28  
5 72.3  
137-140

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



ILLEGIB

Table 177

Air Freight<sup>1</sup>

Million Metric Ton-Kilometers

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	1,377	3,363	7,277	7,458	8,023	8,811	8,938	8,603	9,067	9,312
Canada .....	66	156	425	474	508	570	614	621	645	635
Japan .....	24	114	426	512	593 <sup>2</sup>	744 <sup>2</sup>	734 <sup>2</sup>	842 <sup>2</sup>	1,017 <sup>2</sup>	1,127 <sup>2</sup>
<b>European Community</b>										
France .....	152	232	542	556	696	836	942	1,086	1,380	1,669
Netherlands .....	117	212	393	428	480	585	635	615	663	752
United Kingdom .....	181	370	617	656	783	907	905 <sup>3</sup>	852 <sup>3</sup>	914 <sup>3</sup>	1,019 <sup>3</sup>
West Germany .....	41	157	523	574	701	874	991	993	1,098	1,269
<b>Communist Countries</b>										
USSR .....	563	1,338	1,877	1,982	2,188	2,370	2,470	2,640	2,780	2,840

<sup>1</sup> Express, freight, and mail traffic.

<sup>2</sup> Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

<sup>3</sup> Japan Air Lines data only.

<sup>4</sup> Japan Air Lines and Japan-Asia Airways.

<sup>5</sup> Excluding airlines based in the UK territories and dependencies.

Table 178

Civil Aircraft Inventory<sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	Units
United States <sup>2</sup>											
Jet .....	202	725	2,136	2,132	2,118	2,145	2,078	2,171	2,205	2,254	
Turboprop .....	230	312	374	350	318	304	266	273	259	269	
USSR <sup>3</sup>											
Jet .....	191	227	430	530	658	784	977	1,079	1,194	1,369	
Turboprop .....	174	555	1,238	1,244	1,308	1,363	1,434	1,477	1,512	1,567	

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

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

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

Table 179

Ocean Freight<sup>1</sup>

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977	Billion Metric Ton-Kilometers
Communist Countries											
USSR and Eastern Europe .....	188	503	922	988	1,010	1,070	1,140	1,150	1,214	N.A.	
USSR <sup>2</sup> .....	131.5	388.8	656.1	696.0	698.4	750.7	778.1	736.2	758.9	761.7	
Eastern Europe .....	57.7	114	266	292	311	324	358	410	455	N.A.	
Bulgaria <sup>3</sup> .....	2.5	9.1	38.9	34.3	35.3	39.1	47.2	42.2	41.9	43.3	
Czechoslovakia .....	7.5	8.3	10.5	12.2	13.4	12.1	14.6	12.0	12.4	N.A.	
East Germany <sup>3</sup> .....	10.5	30.2	69.7	71.9	70.6	78.5	76.6	79.7	82.7	67.7	
Hungary <sup>4</sup> .....	1.3	1.7	2.7	2.7	3.4	5.1	4.7	4.0	4.2	6.0	
Poland <sup>4,5</sup> .....	34.8	56.4	106.6	128.5	151.1	148.9	168.4	206.1	250.3	262.7	
Romania .....	1.1	8.4	37.5	42.6	37.5	40.1	46.5	66.3	63.5	N.A.	

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

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

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

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

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



Table 180

## Petroleum Pipelines

Billion Metric Ton-Kilometers

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States .....	333.8	447.3	629.2	648.2	693.5	740.2	738.8	740.2	763.6	817.6
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	N.A.	155	300	349	399	465	560	693	829	N.A.
USSR .....	51.2	146.7	281.7	328.5	375.9	439.4	533.4	665.9	794.6	922.0
<b>Eastern Europe</b> .....	N.A.	7.9	18.1	20.1	22.7	25.7	26.3	26.7	34.3	N.A.
Czechoslovakia .....	N.A.	3.2	6.4	7.0	7.9	8.0	6.8	4.4	8.7	N.A.
East Germany .....	0	0.1	2.2	2.5	3.1	3.5	3.8	4.3	4.3	N.A.
Hungary .....	0	0.3	0.7	0.9	1.0	1.8	2.1	2.5	2.8	N.A.
Poland .....	N.A.	3.2	7.0	7.5	8.5	9.9	11.0	12.7	14.7	16.3
Romania .....	1.0	1.1	1.8	2.2	2.2	2.5	2.6	2.8	3.8	N.A.

Table 181

## Petroleum Pipelines

Million Metric Tons Carried

	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD</b>										
United States <sup>1</sup> .....	414.7	554.9	784.6	795.9	846.0	882.7	862.5	862.9	862.8	920.0
<b>Communist Countries</b>										
<b>USSR and Eastern Europe</b> .....	N.A.	254	402	423	467	508	548	604	652	N.A.
USSR .....	129.9	225.7	339.9	352.5	388.5	421.4	457.2	498.3	531.7	559.0
<b>Eastern Europe</b> .....	N.A.	28.0	61.8	70.4	78.7	86.3	90.6	106	120	N.A.
Czechoslovakia .....	0	7.0	13.4	15.2	16.8	15.7	14.7	14.9	17.2	N.A.
East Germany .....	0	3.8	15.4	17.6	20.9	24.5	26.8	32.1	35.3	N.A.
Hungary .....	1.0	3.7	6.3	7.7	8.5	9.4	10.2	13.8	15.1	13.3
Poland .....	0	6.1	15.4	17.4	20.6	23.6	25.7	30.5	35.4	38.7
Romania .....	5.6	7.4	11.3	12.5	11.9	13.1	13.2	14.5	17.3	N.A.

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

Table 182

Mainline Locomotives Inventory<sup>1</sup>

Thousand Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>OECD</b>									
United States <sup>2</sup> .....	31.18	30.06	29.12	29.18	29.34	29.93	30.22	30.20	30.00
Austria .....	1.48	1.40	1.20	1.32	1.32	1.17	1.20	1.19	1.21
Spain .....	3.64	3.38	1.70	1.76	1.65	1.34	1.24	1.14	1.17
Sweden .....	1.88	1.66	1.58	1.62	1.56	1.46	1.44	1.42	1.41
Switzerland .....	1.10	1.26	1.33	1.44	1.46	1.40	1.42	1.42	1.42
European Community .....	43.0	32.4	24.6	24.9	24.5	23.8	23.9	23.6	23.1
France .....	7.96	7.36	6.07	6.03	5.85	5.86	5.90	5.98	5.96
Italy .....	5.28	4.47	3.58	3.86	3.86	3.59	3.67	3.63	3.44
United Kingdom .....	16.05	8.11	4.45	4.07	3.95	3.97	3.97	3.86	3.73
West Germany .....	10.44	9.59	8.05	8.48	8.39	7.90	7.87	7.65	7.51
<b>Communist Countries</b>									
USSR and Eastern Europe .....	55.8	49.5	48.9	49.5	48.9	49.3	54.1	N.A.	N.A.
USSR .....	34.00	26.90	28.90	30.00	30.20	31.00	34.77	N.A.	N.A.
Eastern Europe .....	21.8	22.6	20.0	19.5	18.7	18.3	19.4	N.A.	N.A.
Bulgaria .....	0.64	0.73	0.68	0.65	0.62	0.59	0.60	N.A.	N.A.
Czechoslovakia .....	5.23	5.20	4.60	4.40	4.20	4.00	4.00	N.A.	N.A.
East Germany .....	6.00	6.00	5.00	4.90	4.60	4.54	4.40	N.A.	N.A.
Hungary .....	2.46	2.60	2.00	1.80	1.60	1.40	1.50	N.A.	N.A.
Poland .....	5.80	6.33	6.25	6.43	6.58	6.78	6.97	N.A.	N.A.
Romania .....	1.72	1.78	1.50	1.30	1.10	1.00	1.90	N.A.	N.A.
<b>Far East</b>									
China .....	5.90	5.40	6.40	6.70	7.10	7.50	7.90	8.30	8.70
North Korea .....	0.35	0.40	0.49	0.51	0.54	0.57	0.61	0.67	0.74

<sup>1</sup> Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.<sup>2</sup> Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

Table 183

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

Thousand Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>OECD</b>									
United States <sup>2,3</sup> .....	1,945.7	1,806.2	1,803.7	1,780.0	1,757.3	1,743.9	1,752.4	1,755.5	1,730.0
European Community .....									
France .....	362.6	362.3	302.4	304.6	301.6	298.3	293.9	283.9	273.9
United Kingdom <sup>4</sup> .....	956.0	605.6	384.2	317.2	284.6	267.0	260.0	239.8	205.4
West Germany .....	309.6	329.5	325.2	332.8	332.5	332.8	336.5	338.9	337.9
<b>Communist Countries</b>									
USSR and Eastern Europe .....	949.0	1,030.0	1,140.0	1,175.0	1,220.0	1,260.0	1,338.4	N.A.	N.A.
USSR .....									
Eastern Europe .....	22.0	33.0	37.8	39.3	40.8	41.3	43.0	N.A.	N.A.
Bulgaria .....	129.3	136.1	135.8	136.0	136.5	137.0	150.0	N.A.	N.A.
Czechoslovakia .....	154.3	152.0	150.0	151.0	152.0	153.0	159.0	N.A.	N.A.
East Germany .....	62.0	73.4	71.4	71.9	71.5	71.0	70.5	N.A.	N.A.
Hungary .....	249.0	263.9	274.3	279.1	283.9	288.7	294.0	N.A.	N.A.
Poland .....	55.5	68.6	86.0	89.0	92.0	95.0	98.0	N.A.	N.A.
Romania .....									
<b>Far East</b>									
China <sup>5</sup> .....	132.0	143.0	175.0	185.0	197.0	209.0	222.0	237.0	251.0
North Korea <sup>5</sup> .....	10.4	15.2	23.8	26.8	29.8	34.3	39.4	45.3	51.6

<sup>1</sup> Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.<sup>2</sup> Units of four or more axles.<sup>3</sup> Including secondary or private railroads operating as common carriers.<sup>4</sup> Excluding privately owned tank cars and including data for Northern Ireland.<sup>5</sup> The majority are four-axle units.

Table 184  
Civilian Trucks Inventory<sup>1</sup>

	Thousand Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
OECD										
United States <sup>2</sup> .....	11,329	14,035	17,815	18,842	20,226	22,204	23,502	24,612	26,524	28,020
European Community										
France <sup>3</sup> .....	1,598	2,134	2,678	2,849	3,014	1,920	2,030	2,078	2,201	N.A.
United Kingdom <sup>4</sup> .....	1,442	1,710	1,664	1,666	1,692	1,726	1,768	1,677	1,582	N.A.
West Germany <sup>5</sup> .....	688	975	1,141	1,204	1,242	1,283	1,288	1,281	1,292	N.A.
Communist Countries										
USSR and Eastern Europe .....	3,670	4,610	5,730	5,980	6,520	6,580	7,680	N.A.	N.A.	N.A.
USSR .....	3,140	3,900	4,700	4,900	5,400	5,400	5,450	5,800	N.A.	N.A.
Eastern Europe .....	529	708	1,030	1,080	1,120	1,180	1,232	N.A.	N.A.	N.A.
Bulgaria .....	68	95	115	120	125	130	130	N.A.	N.A.	N.A.
Czechoslovakia .....	117	140	198	207	217	226	241	262	275	N.A.
East Germany .....	132	166	229	244	255	270	282	301	313	N.A.
Hungary .....	29	43	74	87	89	87	96	109	112	N.A.
Poland .....	130	189	274	289	311	346	386	425	467	496
Romania .....	53	82	139	143	144	146	148	150	N.A.	N.A.
Far East										
China <sup>6</sup> .....	154	230	434	506	590	677	793	914	1,033	1,155
North Korea <sup>7</sup> .....	11	30	54	62	73	85	99	116	135	N.A.

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

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

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

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

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

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

Table 185  
Fishing Fleet Inventory<sup>1</sup>

	1970		1974		1975		1976		1977	
	Number	Thousand GRT <sup>2</sup>	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
OECD										
United States .....	201	74	1,577	358	1,743	398	1,976	424	1,928	435
Japan .....	2,386	978	3,198	1,256	3,149	1,217	3,076	1,191	3,014	1,159
Norway .....	635	182	606	204	621	211	639	218	652	222
Spain .....	1,364	433	1,619	510	1,744	550	1,847	594	1,801	584
European Community	2,140	760	2,380	838	2,460	899	2,420	850	2,380	801
France .....	660	195	616	196	620	200	610	208	564	196
Netherlands .....	284	57	369	81	392	93	390	89	380	86
United Kingdom .....	577	235	614	243	618	236	630	231	557	198
West Germany .....	182	147	156	158	147	145	152	142	148	138
Communist Countries										
USSR and Eastern Europe .....	3,430	4,440	4,530	6,200	4,720	6,560	4,910	6,900	5,100	7,170
USSR .....	3,055	3,997	4,043	5,610	4,219	5,937	4,380	6,222	4,537	6,440
Eastern Europe .....	373	445	483	594	498	626	532	682	563	728
Bulgaria .....	17	55	25	80	34	94	36	109	40	110
East Germany .....	172	136	166	147	164	147	162	146	161	147
Poland .....	176	231	265	271	270	282	303	320	328	353
Romania .....	8	23	27	96	30	103	31	107	34	118
Other										
Cuba .....	167	66	179	70	181	81	188	112	195	134
Yugoslavia .....	3	1	3	1	3	1	2	Negl.	5	3

<sup>1</sup> Data are as of midyear.

<sup>2</sup> Gross register tons; excluding ships under 100 GRT.

Table 186

Merchant Fleet Inventory<sup>1</sup>

	1965		1970		1974		1975		1976		1977	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World Total	17,825	214,069	19,503	325,149	21,755	502,666	22,353	556,388	22,884	596,931	24,102	628,701
Non-Communist Countries	16,243	202,277	17,020	303,720	18,827	473,368	19,222	523,247	19,606	560,265	20,597	589,046
OECD	12,440	148,453	12,164	208,962	11,561	297,683	11,286	316,611	11,266	322,779	11,880	335,566
Non-European Community	7,489	90,974	7,486	128,015	7,376	184,042	7,145	196,171	7,234	204,206	7,747	214,292
United States <sup>2</sup>	2,376	28,283	1,579	21,346	922	17,637	857	17,694	588	16,071	591	17,369
Greece <sup>3</sup>	916	10,388	1,195	18,214	1,838	36,665	1,804	37,638	2,136	44,518	2,564	53,119
Japan	1,333	16,450	2,109	39,142	2,143	60,167	2,051	63,238	2,041	64,314	2,100	61,725
Norway	1,365	23,538	1,173	32,374	1,028	43,306	991	47,796	906	47,400	874	47,968
Sweden	443	5,643	366	6,898	330	11,230	324	12,723	324	12,509	319	11,563
Other	1,056	6,672	1,064	10,041	1,115	15,037	1,118	17,082	1,239	19,394	1,299	22,548
European Community	4,951	57,479	4,678	80,947	4,185	113,641	4,141	120,440	4,032	118,573	4,133	121,274
France	542	6,406	457	9,007	428	16,183	444	17,690	429	18,981	430	19,992
Italy	588	6,917	625	9,803	648	14,621	693	16,081	661	17,406	668	17,607
United Kingdom	2,052	26,385	1,772	37,065	1,609	52,980	1,576	54,913	1,526	53,034	1,546	53,877
West Germany	843	7,184	993	11,697	668	13,616	611	13,453	601	14,210	619	14,603
Other	926	10,587	831	13,375	832	16,241	877	18,303	815	14,942	870	15,195
Non-OECD Countries	3,803	53,824	4,856	94,758	7,266	175,685	7,936	206,636	8,340	237,486	8,717	253,480
Flag of Convenience	1,898	38,341	2,686	72,065	4,300	135,792	4,675	159,568	4,946	181,257	5,070	189,830
Cyprus	21	207	217	1,933	601	5,193	573	4,762	538	3,937	522	3,463
Liberia	1,313	30,906	1,840	60,992	2,358	112,086	2,546	132,694	2,522	148,811	2,473	155,030
Panama	564	7,228	629	9,140	1,341	18,513	1,556	22,112	1,886	28,509	2,075	31,337
Other Countries	1,905	15,483	2,170	22,693	2,966	39,893	3,261	47,068	3,394	56,229	3,647	63,650
Brazil	227	1,590	201	2,017	257	4,039	260	4,546	268	4,977	279	5,525
India	210	2,266	242	3,709	288	5,843	308	6,943	352	8,317	361	8,897
Malaysia/Singapore	8	19	99	643	369	5,550	429	8,118	562	10,845	637	12,334
Other	1,460	11,608	1,628	16,324	2,052	24,461	2,264	27,461	2,212	32,090	2,370	36,894
Communist Countries	1,582	11,792	2,483	21,429	2,924	29,298	3,131	33,141	3,278	36,666	3,505	39,655
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,195	21,440	2,290	23,337	2,365	25,582	2,442	26,997
USSR <sup>4</sup>	985	7,961	1,395	11,921	1,568	14,141	1,622	15,044	1,673	16,354	1,707	17,122
Eastern Europe	186	1,501	544	4,924	627	7,299	668	8,293	692	9,228	735	9,875
Bulgaria <sup>5</sup>	60	548	106	948	108	1,189	110	1,228	99	1,155	106	1,342
Czechoslovakia <sup>6</sup>	9	105	12	138	13	188	14	221	14	222	14	222
East Germany	60	550	130	1,310	140	1,670	146	1,729	150	1,758	161	1,829
Hungary	17	23	16	28	16	67	16	67	18	76	20	92
Poland <sup>7</sup>	10	105	230	2,000	275	3,260	289	3,866	302	4,554	307	4,606
Romania	30	170	50	500	75	925	93	1,182	109	1,463	127	1,784
Far East	192	1,083	280	1,984	451	4,691	537	6,325	598	7,332	724	8,542
China	190	1,075	269	1,944	430	4,592	495	6,082	556	7,082	660	8,200
Other <sup>8</sup>	2	8	11	40	21	99	42	243	42	250	64	342
Other	219	1,247	264	2,600	278	3,167	304	3,479	315	3,752	339	4,116
Albania <sup>9</sup>	8	44	11	72	11	72	11	72	11	73	11	73
Cuba	31	203	53	428	57	470	64	581	67	617	81	729
Yugoslavia	180	1,000	200	2,100	210	2,625	229	2,826	237	3,062	247	3,314

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

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

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

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

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

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

<sup>7</sup> Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1974, there were 14 of these ships.

<sup>8</sup> Including North Korean, Vietnamese, and Cambodian vessels in 1975-77.

<sup>9</sup> Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company. At the end of 1976 there were three of these ships.

Table 187

Tanker Fleet Inventory<sup>1</sup>

	1965		1970		1974		1975		1976		1977	
	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	4,988	261,379	5,177	301,667	4,311	319,557	5,501	389,341
Non-Communist Countries	3,290	85,629	3,759	146,555	4,569	253,632	4,736	292,241	3,833	308,864	5,000	377,910
OECD	2,350	58,883	2,528	96,952	2,888	156,547	2,917	173,746	2,223	170,574	2,997	209,679
Non-European Community	1,403	35,335	1,544	56,404	1,795	91,639	1,814	103,736	1,479	105,265	1,945	131,082
United States <sup>2</sup>	341	7,561	294	7,739	278	9,298	267	9,711	232	9,996	261	11,950
Greece <sup>3</sup>	129	2,970	216	7,714	344	14,287	345	15,557	347	18,308	399	22,444
Japan	236	6,965	368	16,036	520	30,707	531	33,950	425	31,991	549	38,214
Norway	467	13,599	363	17,351	337	24,472	332	28,467	200	27,575	359	36,257
Sweden	73	2,098	80	2,887	74	4,935	79	6,524	49	6,592	90	8,392
Other	157	2,142	223	4,677	242	7,940	260	9,527	226	10,803	287	13,825
European Community	947	23,548	984	40,548	1,093	64,908	1,103	70,010	744	65,309	1,052	78,597
France	157	3,682	135	5,799	149	11,947	154	13,190	103	14,583	146	16,099
Italy	143	2,872	198	4,585	229	7,012	236	7,952	173	8,313	254	12,355
United Kingdom	441	11,562	434	20,863	467	31,494	459	32,869	310	28,892	430	35,793
West Germany	48	1,295	59	2,956	84	5,568	83	5,627	64	6,629	88	6,984
Other	158	4,137	158	6,345	164	8,887	171	10,371	94	6,894	134	7,366
Non-OECD Countries	940	26,746	1,231	49,603	1,681	97,085	1,819	118,495	1,610	138,290	2,003	168,231
Flag of Convenience	686	23,310	916	42,708	1,228	83,778	1,299	100,554	1,091	113,666	1,325	134,144
Cyprus	1	13	13	214	61	1,131	47	860	21	337	29	336
Liberia	534	19,018	730	36,802	945	73,819	1,014	89,470	863	102,117	1,040	119,984
Panama	151	4,279	173	5,692	222	8,828	238	10,224	207	11,212	256	13,824
OPEC	38	571	42	1,315	71	2,305	82	4,245	116	7,930	154	11,460
Iraq	0	0	0	0	7	269	10	380	13	845	20	1,995
Kuwait	3	161	6	787	6	793	7	1,150	8	1,485	13	2,360
Libya	0	0	0	0	5	263	5	410	6	535	15	1,545
Venezuela	14	284	16	372	16	420	15	440	15	440	14	435
Other	21	126	20	156	37	560	45	1,865	74	4,625	92	5,125
Other Non-OPEC	216	2,865	273	5,580	382	11,002	438	13,696	403	16,694	524	22,627
Brazil	46	604	45	810	53	1,772	53	944	51	1,935	69	3,439
India	8	217	13	510	21	1,039	25	1,510	29	1,824	46	3,276
Other	162	2,044	215	4,260	308	8,191	360	11,242	323	12,935	409	15,912
Communist Countries	243	3,947	360	5,895	419	7,747	441	9,428	478	10,693	501	11,431
USSR and Eastern Europe	212	3,562	301	5,108	318	6,036	331	6,975	343	8,001	361	8,639
USSR <sup>4</sup>	184	3,125	265	4,389	274	4,647	280	4,796	298	5,603	307	6,058
Eastern Europe	28	437	36	719	44	1,389	51	2,179	45	2,398	54	2,581
Bulgaria	11	160	18	267	20	472	20	472	17	500	19	567
East Germany	10	144	9	288	15	594	16	612	10	484	14	582
Poland	5	95	5	95	3	175	8	665	11	980	14	998
Romania	2	38	4	69	6	148	7	430	7	434	7	434
Far East	19	135	41	381	80	1,256	90	1,998	113	2,254	115	2,337
China	19	135	38	375	74	1,212	80	1,916	104	2,169	105	2,250
Other <sup>5</sup>	0	0	3	6	6	44	10	82	9	85	10	87
Other	12	250	18	406	21	455	20	453	22	438	25	455
Cuba	2	5	3	26	6	75	6	75	9	80	12	97
Yugoslavia	10	245	15	380	15	380	14	378	13	358	13	358

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

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

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

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

<sup>5</sup> Including North Korean, Vietnamese, and Cambodian vessels in 1975-77.

Table 188

## Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger January 1978

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)	Port	Largest Loaded Tanker Accommodated (Thousand DWT)	
OECD			OECD (continued)		
Canada	Come by Chance	500	Japan (continued)	Uhita	270
	Saint John, New Brunswick	350		Wakayama	200
	Point Tupper	350	Netherlands	Rotterdam	300
France	Antifer	550	Norway	Slagenstangen (Oslo)	260
	Marseille/Fos	500		Mongstad	300
	Sete	275	Spain	Malaga	300
	Le Havre	300		Bilbao	350
Greece	Aghii Theodori	250		Cartagena	250
Ireland	Bantry Bay	500		Algeciras	250
Italy	Falconara	300		Castellon	200
	Genoa	350		Las Palmas (Canary Islands)	200
	Milazzo (Sicily)	330		Tarragona	300
	Porto Torres (Sardinia)	250		Teneriffe (Canary Islands)	200
	Ancona	300	Sweden	Brotjorden	350
	Augusta (Sicily)	250		Goteborg	250
	Gaeta	200	Turkey	Izmit	250
	Gela	500	United Kingdom	Finnart	330
	Ravenna	265		Southampton	300
	Savona	250		Milford Haven	280
	Taranto	210		Humber River	210
	Sarroch (Sardinia)	200	West Germany	Wilhelmshafen	250
Japan	Himeji	210	Other Countries		
	Kagoshima	500	Bahamas	Freeport	500
	Kashima	270	Brazil	Sao Sebastio	300
	Okinawa	500	Chile	Quintero Bay	210
	Niigata	280	Israel	Eilat	350
	Chiba	250	Netherlands Antilles	Curacao	530
	Kawasaki	270		Bonaire	500
	Mizushima	230		Aruba	500
	Nagoya	255	Philippines	Batangas	300
	Oita	250	Singapore	Singapore	250
	Owase	210	South Africa	Durban	280
	Shimizu	250	South Korea	Ulsan	250
	Shimotsu	250	Taiwan	Kaohsiung	250
	Yokaichi	270	Trinidad	Point-a-Pierre	270
	Yokohama	270		Galeota Point	250
	Ube	250			

**COMMUNICATIONS**

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<b>TABLE</b>	<b>PAGE</b>
189 Telephones in Use .....	165
190 Radio Receivers in Public Use .....	166
191 Television Receivers in Public Use .....	167

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COMMUNICATIONS





Table 189

Telephones in Use<sup>1</sup>

	Million Units									
	1960	1965	1970	1971	1972	1973	1974	1975	1976	1977
<b>OECD<sup>2</sup></b>										
United States .....	70.82	88.79	115.22	120.22	125.14	131.61	138.29	143.97	149.01	155.17
Australia .....	2.12	2.67	3.60	3.91	4.15	4.40	4.66	5.00	5.27	5.50
Canada .....	5.44	7.02	9.30	9.75	10.27	10.99	11.67	12.45	13.14	13.79
Japan <sup>3</sup> .....	4.86	12.25	23.13	26.23	29.83	34.02	38.70	41.90	45.51	48.43
Spain .....	1.64	2.53	4.13	4.60	5.13	5.71	6.33	7.04	7.84	8.60
Sweden .....	2.64	3.39	4.31	4.51	4.68	4.83	4.98	5.18	5.42	5.67
European Community .....	24.8	34.6	50.1	54.5	59.4	64.5	70.2	75.3	79.7	85.5
France .....	4.08	5.70	8.11	8.77	9.55	10.34	11.34	12.40	13.83	15.55
Italy .....	3.52	5.53	8.53	9.37	10.32	11.35	12.61	13.69	14.50	15.24
Netherlands .....	1.50	2.18	3.12	3.41	3.72	4.00	4.32	4.68	5.05	5.41
United Kingdom <sup>4</sup> .....	7.85	9.96	13.95	14.97	16.14	17.57	19.10	20.34	21.04	22.01
West Germany .....	5.52	8.17	12.46	13.83	15.25	16.52	17.80	18.77	19.60	21.16
<b>Communist Countries<sup>4</sup></b>										
USSR and Eastern Europe .....	7.94	13.3	21.1	23.1	24.2	25.1	27.1	29.6	31.8	33.8
USSR <sup>5</sup> .....	4.30	7.70	13.50	15.10	15.70	16.20	17.70	19.30	20.90	22.20
Eastern Europe .....	3.64	5.56	7.58	8.01	8.46	8.91	9.39	10.2	10.9	11.6
Bulgaria .....	0.17	0.28	0.47	0.53	0.58	0.64	0.72	0.78	0.85	0.93
Czechoslovakia <sup>6</sup> .....	1.02	1.49	2.00	2.11	2.23	2.35	2.48	2.61	2.74	2.87
East Germany .....	1.29	1.66	2.09	2.17	2.23	2.33	2.45	2.61	2.75	2.94
Hungary .....	0.42	0.53	0.71	0.75	0.79	0.83	0.85	1.05	1.08	1.11
Poland .....	0.54	1.29	1.87	1.97	2.09	2.16	2.18	2.34	2.51	2.68
Romania <sup>7</sup> .....	0.20	0.31	0.44	0.48	0.54	0.60	0.71	0.86	0.98	1.09
<b>Other</b>										
Cuba .....	0.19	0.23	0.27	0.28	0.29	0.30	0.30	N.A.	N.A.	N.A.
Yugoslavia .....	0.26	0.42	0.74	0.82	0.91	1.00	1.14	1.30	1.43	1.57

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

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

<sup>3</sup> Data are as of 31 March.

<sup>4</sup> Telephones operated by the various civil departments of post and telecommunications and, unless otherwise indicated, excluding telephones serviced by other functional ministries and the military.

<sup>5</sup> Data include telephones used by the functional ministries and exclude those used by the military.

<sup>6</sup> Telephone subscribers.

Table 190

Radio Receivers in Public Use<sup>1</sup>

Million Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976
<b>OECD</b>									
United States .....	156.00	227.00	336.00	354.00	369.00	383.00	402.00	412.00	425.00
Canada .....	8.05	12.00	15.89	16.85	17.93	19.13	20.25	21.50	N.A.
Japan .....	12.41	20.42	57.00	64.86	70.79	76.00	N.A.	N.A.	N.A.
European Community									
France <sup>2</sup> .....	10.98	15.34	16.00	16.02	17.03	16.30	17.00	17.30	N.A.
Italy <sup>2</sup> .....	8.00	10.72	11.70	12.07	12.49	12.45	12.64	12.90	N.A.
West Germany .....	15.89	26.00	19.62	19.90	20.29	20.59	20.91	21.20	N.A.
Other Countries									
India <sup>2</sup> .....	2.15	5.40	11.75	12.00	12.77	14.03	14.85	15.70	N.A.
Mexico .....	3.30	8.59	14.00	14.92	15.84	16.87	17.51	18.40	N.A.
<b>Communist Countries<sup>3</sup></b>									
USSR and Eastern Europe .....	44.8	57.4	68.8	71.1	73.6	79.3	82.0	85.1	84.9
USSR .....	27.80	38.23	48.60	50.80	53.20	54.80	57.10	59.80	61.50
Eastern Europe .....	16.8	19.2	20.2	20.3	20.4	24.5	24.9	25.3	23.4
Bulgaria <sup>2</sup> .....	0.87	1.40	1.55	1.55	1.52	1.45	1.43	1.39	1.35
Czechoslovakia <sup>2</sup> .....	3.10	3.10	3.17	3.14	3.13	3.11	3.24	3.24	3.26
East Germany <sup>2</sup> .....	5.57	5.74	5.98	6.02	6.05	6.08	6.11	6.17	6.20
Hungary <sup>2</sup> .....	2.22	2.48	2.53	2.54	2.54	2.53	2.54	2.54	2.56
Poland .....	3.80 <sup>3</sup>	4.54 <sup>3</sup>	4.70 <sup>3</sup>	4.77 <sup>3</sup>	4.91 <sup>3</sup>	9.00	9.30	9.60	7.67
Romania <sup>2</sup> .....	1.28	1.92	2.24	2.29	2.30	2.29	2.30	2.33	2.36
Far East									
China .....	N.A.	10.00	17.80	21.80	26.88	35.90	47.15	60.65	N.A.
Other									
Yugoslavia <sup>2</sup> .....	1.56	2.78	3.37	3.48	3.56	3.68	4.08	4.18	4.53

<sup>1</sup> Data are as of the end of the year.<sup>2</sup> Radio subscribers.<sup>3</sup> Excluding wired loudspeakers.

Table 191

Television Receivers in Public Use<sup>1</sup>

Million Units

	1960	1965	1970	1971	1972	1973	1974	1975	1976
OECD .....	91.2	145	201	213	227	233	272	N.A.	N.A.
United States .....	55.60	70.60	93.20	100.70	109.80	117.10	121.00	125.30	132.90
Canada .....	3.93	5.31	7.10	7.61	7.30	7.70	8.23	8.50	N.A.
Japan .....	6.86	17.96	22.88	23.28	24.19	24.80	25.56	26.30	N.A.
European Community .....	21.8	42.5	60.6	63.3	65.9	67.5	68.9	70.7	N.A.
France <sup>2</sup> .....	1.90	6.49	10.97	11.66	12.28	12.33	12.34	12.70	N.A.
Italy <sup>2</sup> .....	2.12	6.04	9.72	10.34	10.95	11.43	11.82	12.30	N.A.
United Kingdom <sup>2</sup> .....	11.08	13.52	16.32	16.57	17.00	17.29	17.64	17.90	N.A.
West Germany <sup>2</sup> .....	4.64	11.38	16.75	17.43	18.06	18.49	18.92	19.40	N.A.
Communist Countries									
USSR and Eastern Europe .....	7.22	24.6	50.9	56.7	64.0	69.0	73.5	77.2	80.6
USSR .....	4.80	15.69	34.80	39.30	45.40	49.20	52.50	55.20	57.60
Eastern Europe .....	2.42	8.92	16.1	17.4	18.6	19.8	21.0	22.0	23.0
Bulgaria .....	0	0.18	1.03	1.18	1.29	1.38	1.46	1.51	1.55
Czechoslovakia .....	0.79	2.11	3.09	3.19	3.31	3.40	3.60	3.69	3.79
East Germany <sup>2</sup> .....	1.04	3.22	4.50	4.65	4.82	4.97	5.10	5.22	5.35
Hungary .....	0.10	0.83	1.77	1.94	2.08	2.20	2.30	2.39	2.48
Poland .....	0.43	2.08	4.21	4.71	5.20	5.69	6.10	6.47	6.82
Romania .....	0.06	0.50	1.48	1.70	1.94	2.12	2.41	2.69	2.96
Other									
Yugoslavia <sup>2</sup> .....	0.03	0.58	1.80	2.06	2.35	2.54	2.78	3.08	3.46

<sup>1</sup> Data are as of the end of the year and include monochrome and color television receivers.<sup>2</sup> Television subscribers.



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**INDEX AND CONVERSION FACTORS**

**PAGE**  
**169**

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INDEX AND  
CONVERSION FACTORS



2 March 1979

## World Crude Oil: Consumption, Including Natural Gas Liquids

Thousand b/d

	1973	1974	1975	1976	1977	1978 <sup>1</sup>
<b>World</b> .....	<b>57,320</b>	<b>55,965</b>	<b>55,665</b>	<b>59,280</b>	<b>61,075</b>	<b>63,465</b>
<b>Free World</b> .....	<b>48,280</b>	<b>46,365</b>	<b>45,280</b>	<b>48,210</b>	<b>49,400</b>	<b>50,900</b>
<b>OECD</b> .....	<b>39,330</b>	<b>37,570</b>	<b>36,195</b>	<b>38,440</b>	<b>39,400</b>	<b>40,330</b>
United States <sup>2</sup> .....	16,855	16,175	15,860	16,895	17,895	18,240
Japan .....	5,390	5,250	4,965	5,160	5,400	5,510
Canada .....	1,755	1,690	1,765	1,770	1,765	1,800
<b>Western Europe</b> .....	<b>14,690</b>	<b>13,775</b>	<b>12,970</b>	<b>13,860</b>	<b>13,645</b>	<b>14,070</b>
West Germany .....	2,985	2,700	2,555	2,775	2,735	2,900
France .....	2,485	2,370	2,145	2,330	2,275	2,400
Italy .....	2,080	2,050	1,905	1,970	1,920	2,015
United Kingdom .....	2,270	2,120	1,840	1,850	1,865	1,925
Spain .....	760	805	895	995	900	945
Netherlands .....	825	710	690	780	750	710
Belgium/Luxembourg .....	645	570	535	555	550	570
Sweden .....	585	540	535	590	585	545
Denmark .....	360	320	320	340	340	345
Turkey .....	240	240	270	300	340	325
Austria .....	240	220	215	230	220	245
Switzerland .....	295	265	250	260	265	235
Finland .....	270	240	235	255	250	230
Greece .....	240	215	190	205	210	225
Norway .....	175	160	145	165	180	180
Portugal .....	115	130	135	145	140	135
Ireland .....	100	110	100	100	110	125
Iceland .....	15	15	10	10	15	15
Australia .....	545	585	550	575	605	620
New Zealand .....	95	95	85	90	90	90
<b>Other</b> <sup>3</sup> .....	<b>8,950</b>	<b>8,795</b>	<b>9,085</b>	<b>9,770</b>	<b>10,000</b>	<b>10,570</b>
<b>Communist Countries</b> .....	<b>9,040</b>	<b>9,600</b>	<b>10,385</b>	<b>11,070</b>	<b>11,675</b>	<b>12,565</b>
USSR .....	6,330	6,790	7,200	7,550	7,900	8,400
<b>Eastern Europe</b> .....	<b>1,790</b>	<b>1,780</b>	<b>1,885</b>	<b>2,020</b>	<b>2,175</b>	<b>2,355</b>
Bulgaria .....	250	270	250	255	265	290
Czechoslovakia .....	300	315	330	355	375	400
East Germany .....	275	270	280	310	330	360
Hungary .....	180	190	220	225	235	265
Poland .....	270	260	310	325	345	340
Romania .....	260	240	260	295	340	380
Yugoslavia .....	255	235	240	260	290	320
China .....	920	1,030	1,300	1,500	1,600	1,810

<sup>1</sup> Preliminary.<sup>2</sup> Excluding refinery gain.<sup>3</sup> Including unrecorded consumption and statistical discrepancies.

STAT

2 March 1979

World Crude Oil: Production, Excluding Natural Gas Liquids <sup>1</sup>

Thousand b/d

	1973	1974	1975	1976	1977	1978 <sup>2</sup>	Dec 1978 <sup>2</sup>
<b>World</b> .....	<b>55,745</b>	<b>55,875</b>	<b>53,005</b>	<b>57,325</b>	<b>59,670</b>	<b>59,830</b>	<b>61,650</b>
<b>Free World</b> .....	<b>45,840</b>	<b>45,150</b>	<b>41,485</b>	<b>45,080</b>	<b>46,760</b>	<b>46,205</b>	<b>47,770</b>
<b>Western Hemisphere</b> .....	<b>16,130</b>	<b>15,290</b>	<b>14,135</b>	<b>13,780</b>	<b>14,015</b>	<b>14,740</b>	<b>15,390</b>
United States .....	9,210	8,775	8,375	8,130	8,180	8,665	8,760
Venezuela .....	3,365	2,975	2,345	2,295	2,240	2,165	2,320
Canada .....	1,800	1,695	1,460	1,300	1,320	1,315	1,540
Mexico .....	450	575	715	800	980	1,205	1,370
Argentina .....	420	415	390	390	430	460	470
Ecuador .....	210	175	160	185	185	205	210
Other .....	675	680	690	680	680	725	720
<b>Eastern Hemisphere</b> .....	<b>29,710</b>	<b>29,860</b>	<b>27,350</b>	<b>31,300</b>	<b>32,745</b>	<b>31,465</b>	<b>32,380</b>
<b>Western Europe</b> .....	<b>370</b>	<b>380</b>	<b>550</b>	<b>855</b>	<b>1,370</b>	<b>1,745</b>	<b>2,020</b>
Norway .....	30	35	190	280	280	355	360
United Kingdom .....	Negl	Negl	20	245	770	1,080	1,350
Other .....	340	345	340	330	320	310	310
<b>Middle East</b> .....	<b>21,220</b>	<b>21,860</b>	<b>19,590</b>	<b>22,135</b>	<b>22,405</b>	<b>20,945</b>	<b>21,000</b>
Saudi Arabia <sup>3</sup> .....	7,595	8,480	7,075	8,575	9,200	8,295	10,400
Iran .....	5,860	6,020	5,350	5,885	5,665	5,195	2,370
Kuwait <sup>3</sup> .....	3,020	2,545	2,085	2,145	1,970	2,095	2,200
Iraq .....	2,020	1,970	2,260	2,415	2,495	2,450	3,000
United Arab Emirates	1,535	1,680	1,665	1,935	2,000	1,830	1,840
Abu Dhabi .....	1,305	1,410	1,370	1,585	1,650	1,445	1,460
Dubai .....	230	240	255	310	320	365	370
Sharjah .....	...	30	40	40	30	20	10
Qatar .....	570	520	440	495	445	480	580
Oman .....	295	290	340	365	340	315	310
Syria .....	105	125	185	190	180	170	170
Other .....	220	230	190	130	110	115	130
<b>Africa</b> .....	<b>5,900</b>	<b>5,370</b>	<b>4,995</b>	<b>5,830</b>	<b>6,205</b>	<b>5,980</b>	<b>6,580</b>
Nigeria .....	2,055	2,255	1,785	2,070	2,085	1,910	2,380
Libya .....	2,175	1,520	1,480	1,935	2,065	1,975	2,090
Algeria .....	1,070	960	975	1,020	1,095	1,100	1,100
Gabon .....	150	200	225	225	220	220	220
Egypt .....	165	145	250	330	420	485	500
Angola/Cabinda .....	160	170	140	110	170	130	130
Other .....	125	120	140	140	150	160	160
<b>Asia-Pacific</b> .....	<b>2,220</b>	<b>2,250</b>	<b>2,215</b>	<b>2,480</b>	<b>2,765</b>	<b>2,795</b>	<b>2,780</b>
Australia .....	370	390	410	425	430	430	420
Indonesia .....	1,340	1,375	1,305	1,505	1,685	1,635	1,600
Malaysia-Brunei .....	320	290	300	330	400	455	480
Other .....	190	195	200	220	250	275	280
<b>Communist Countries</b> .....	<b>9,905</b>	<b>10,725</b>	<b>11,520</b>	<b>12,245</b>	<b>12,910</b>	<b>13,625</b>	<b>13,880</b>
USSR .....	8,420	9,020	9,630	10,170	10,700	11,215	11,470
China .....	1,090	1,315	1,490	1,670	1,805	2,010	2,010
Romania .....	285	280	290	295	295	290	290
Other .....	110	110	110	110	110	110	110

<sup>1</sup> Global natural gas liquids production in 1978 was approximately 3.2 million b/d, with the United States and OPEC accounting for 1.58 million b/d and 725,000 b/d, respectively.

<sup>2</sup> Preliminary.

<sup>3</sup> Including the share of Neutral Zone crude oil production.



STAT



## INDEX

Academic trainees from LDCs to Communist countries .....	78	Aluminum, primary .....	12, 105
Acetate fabrics .....	121	Ammonia, synthetic .....	111
Acid, sulfuric .....	112	Arms exports to LDCs .....	75
Aggregate factor productivity, USSR .....	46	Automobiles, passenger, production .....	12, 126
Agricultural labor force .....	41	Average annual rates of growth in industrial production, by branch of industry, USSR ..	47
Agricultural prices .....	32	Balance, current account .....	25
Agricultural production index .....	30	Balance, current account, developed countries ...	5
Aid, China, economic, LDCs, extensions to .....	76	Balance of payments, USSR .....	48
Aid, Communist countries, academic departures from LDCs for training .....	78	Balance, trade, non-Communist countries .....	55
Aid, Communist countries, economic, drawings by LDCs .....	73	Bauxite .....	12, 99
Aid, Communist countries, economic, extensions to LDCs .....	73	Big Seven exports .....	59
Aid, Communist countries, economic, technical departures from LDCs for training in Communist countries .....	78	Big Seven imports .....	60
Aid, Communist countries, economic technicians, Communist, in LDCs .....	79	Big Seven trade .....	56-58
Aid, Communist countries, military agreements concluded .....	73	Big Seven trade balance .....	61
Aid, Communist countries, military deliveries ..	73	Bilateral capital flows to LDCs, gross, by donor ..	69
Aid, Communist countries, military departures from LDCs for training in Communist countries .....	78	Bilateral capital flows to LDCs, gross, by recipient .....	70
Aid, Communist countries, military, personnel from LDCs trained in Communist countries ..	78	Brown coal .....	12, 92
Aid, Eastern Europe, LDCs, to, economic extensions, by recipient .....	77	Budget, state, USSR .....	49
Aid, gross bilateral capital flows to LDCs ..	69-70	Buses, production .....	127
Aid, US economic grants, to LDCs .....	71	Capital, fixed, stock of, USSR .....	46
Aid, US economic loans, to LDCs .....	71	Capital, flows to LDCs, total gross bilateral, by donor .....	69
Aid, US, LDCs, to, by recipient .....	71-72	Capital flows to LDCs, total gross bilateral, by recipient .....	70
Aid, US military deliveries, to LDCs .....	72	Capital, investment, gross fixed, USSR .....	45
Aid, USSR, economic, Communist countries, extensions to .....	75	Cars, railroad freight .....	126, 160
Aid, USSR, economic, LDCs, extensions to ..	74	Cattle, inventory .....	12, 142
Aid, USSR, military, LDCs, agreements concluded .....	73	Caustic soda .....	111
Aid, USSR, military, LDCs, deliveries .....	73	Cement .....	130
Aircraft, civil, inventory .....	158	China, aid (see Aid, China)	
Air freight traffic .....	157	China, exports .....	65
Air passenger traffic .....	157	China, foreign trade .....	64-65
		China, foreign trade, direction .....	64
		China, imports .....	65
		Chromite .....	99
		Civil aircraft, inventory .....	158
		Civilian trucks, inventory .....	161
		Coal, brown .....	12, 92
		Coal, hard .....	12, 91
		Coal, proved reserves .....	84

Coarse grain .....	12, 137	Drawings and scheduled repayments on Western credits to USSR .....	48
Cobalt .....	108	Eastern Europe, aid (see Aid, Eastern Europe)	
Coke, metallurgical .....	100	Eastern Europe, exports .....	67
Combines, grain .....	125	Eastern Europe, foreign trade .....	66-68
Computers .....	122	Eastern Europe, foreign trade, direction .....	66
Commercial vehicles, production .....	12, 127	Eastern Europe, imports .....	68
Communist countries, aid (see Aid, Communist countries)		Economic aid (see Aid)	
Communist countries, economic profile .....	8	Economic indicators, selected, growth of .....	23-24
Communist countries, exchange rates .....	44	Economic plans, USSR, for 1978 and 1976-80 .....	50
Communist countries, exports .....	63, 65, 67	Electricity generating capacity, installed .....	94
Communist countries, gross industrial production .....	18	Electric generators .....	123
Communist countries, GNP .....	17	Electricity .....	93
Communist countries, imports .....	63, 65, 68	Energy .....	81-95
Communist countries, industrial production .....	28	Energy, primary .....	81-83
Communist countries, industrial production, gross .....	27	Energy, primary, consumption .....	82
Communist countries, trade, foreign (see Trade, foreign, Communist countries)		Energy, primary, type .....	81
Construction, total housing .....	129	Equipment, power .....	123
Consumer price index .....	34	Exchange rate equivalents, GNP .....	18
Consumer price inflation .....	35	Exchange rates .....	44
Consumption, oil .....	87	Exchange rates, Communist countries .....	44
Conversion factors .....	inside back cover	Expenditures, defense, GNP, as a share .....	31
Copper, refined .....	12, 104	Exporters of oil .....	87
Cotton fabrics .....	119	Exports, arms, to LDCs .....	75
Cotton, ginned .....	12, 147	Exports, Big Seven .....	56-59
Credits, Western, drawings, USSR .....	48	Exports, China .....	64-65
Credits, Western, repayments, USSR .....	48	Exports, Eastern Europe .....	65-66
Crude oil .....	12, 84-86	Exports, non-Communist countries .....	51, 53
Crude oil, consumption .....	87	Exports, USSR .....	62-63
Crude oil, proved and probable reserves .....	84	Fabrics .....	119-122
Crude steel, production .....	12, 102	Factor productivity, USSR .....	46-47
Currency, foreign, rates of exchange .....	44	Factors, conversion .....	inside back cover
Current account balance .....	25	Fertilizer, mineral, consumption .....	148
Current account balance, developed countries .....	5	Fertilizer, mineral, nutrient content production .....	12, 113
Defense expenditures .....	31	Fertilizer, nitrogen, consumption .....	149
Defense expenditures, GNP, share of .....	31	Fertilizer, nitrogen, production .....	12, 114
Deflators price, GNP .....	22	Fertilizer, phosphate, consumption .....	150
Developed countries, current account balances .....	5	Fertilizer, phosphate, production .....	12, 115
Developed countries, deviation of real GNP from the long-term trend .....	2	Fertilizer, potassium, consumption .....	151
Developed countries, economic profile .....	8	Fertilizer, potassium, production .....	12, 116
Developed countries, GNP, real, deviation from the long-term trend .....	2	Fibers, synthetic .....	12, 122
Developed countries' trade, foreign, direction of .....	56	Financial flows, net .....	69
		Fish catch .....	12, 141
		Fishing fleet .....	12, 161
		Fixed capital, stock of, USSR .....	46
		Fixed investment, gross, USSR .....	45
		Fleet, merchant .....	12, 162

Fleet, fishing .....	12, 161	Harbors accessible for fully loaded tankers ..	164
Fleet, tanker .....	12, 163	Hard coal .....	12, 91
Foreign trade (see Trade, foreign)		Balance of payments, USSR .....	48
Freight cars, railroad .....	126, 160	Hogs, inventory .....	12, 143
Freight traffic, air .....	157	Housing construction .....	129
Freight traffic, inland water .....	156	Hydroelectric power .....	93
Freight traffic, motor vehicle .....	155		
Freight traffic, ocean .....	158	Importers of oil .....	88
Freight traffic, railroad .....	12, 153-154	Imports, Big Seven .....	54, 56-58, 60
Freight traffic, truck .....	155	Imports, China .....	64-65
		Imports, Eastern Europe .....	66, 68
Gas, natural .....	12, 90	Imports, non-Communist countries .....	54
Gas, natural, proved reserves .....	84	Imports, USSR .....	62-63
Generating capacity, electricity, installed .....	94	Industrial factor productivity, USSR .....	47
Generating capacity, nuclear .....	95	Industrial labor force .....	41
Generators, electric .....	123	Industrial production .....	27-29
Ginned cotton .....	12, 147	Industrial production, average annual rates of growth, by branch, USSR .....	47
GNP .....	1, 8-11, 12, 17-22, 45	Industrial production index .....	27-29
GNP, Communist countries .....	17	Industrial production index, Communist coun- tries .....	27
GNP, defense expenditures as a share of .....	31	Inflation, consumer price .....	35
GNP price deflators .....	22	Inflation, wholesale price .....	37
GNP, developed countries, deviation from the long-term trend .....	2	Inland water freight traffic .....	156
GNP, end use, US .....	19	Installed electricity generating capacity .....	94
GNP, end use, USSR .....	19, 45	International economic comparisons, selected countries .....	8-11
GNP, exchange rate equivalents .....	18	International reserves .....	26
GNP, gross investment as a share of .....	22	Investment, gross, as a share of GNP .....	22
GNP, growth .....	20-21	Investment, gross fixed capital, USSR .....	45
GNP, growth, per capita .....	21	Iron ore .....	12, 97
GNP per capita .....	frontispiece, 8-11, 21	Iron, pig .....	12, 101
GNP, purchasing power equivalents .....	18		
GNP, real, deviation from the long-term trend, in developed countries .....	2	Labor force .....	39-41
GNP, real, trends .....	3	Labor force, agricultural .....	41
GNP, US .....	8, 17-20	Labor force, industrial .....	41
GNP, USSR .....	8, 17-20, 45	Labor force, nonagricultural .....	40
GNP, world, 1977 .....	1, 12	LDCs, aid (see Aid)	
Gold .....	49, 110	LDCs, arms exports to .....	75
Gold, USSR .....	49	LDCs, economic profile .....	10-11
Grain combines .....	125	Lead, smelter .....	12, 106
Grain, coarse .....	12, 137	Lignite .....	92
Gross fixed capital investment, USSR .....	45	Living standards, USSR and US, indicators of .....	13
Gross industrial production index, Communist countries .....	27	Locomotives, mainline, inventory .....	160
Gross investment as a share of GNP .....	22	Lumber .....	131
Gross official bilateral capital flows to LDCs, by donor .....	69	Machine tools .....	124
Gross official bilateral capital flows to LDCs, by recipient .....	70	Magnesium, primary .....	109
		Mainline locomotives, inventory .....	160
		Manganese ore .....	98

Meat .....	12, 144	Paper .....	132
Merchant fleet, inventory .....	12, 162	Passenger automobiles, production .....	12, 126
Metalcutting machine tools .....	124	Passenger traffic, air .....	157
Metalfforming machine tools .....	124	Persons supplied per farm worker .....	13
Metallurgical coke .....	100	Petroleum pipeline transportation .....	159
Metal prices .....	32	Petroleum products .....	89
Military aid (see Aid)		Phosphate fertilizer, consumption .....	150
Military trainees of LDCs to Communist coun- tries .....	78	Phosphate fertilizer, production .....	12, 115
Milk .....	12, 145	Pig iron .....	12, 101
Mineral fertilizer, consumption .....	148	Pipeline transportation, petroleum .....	159
Mineral fertilizer, nutrient content, production .....	12, 113	Plans, economic, USSR, for 1978 and 1976-80 ....	50
Mineral imports as a share of consumption, 1977	7	Plastics .....	116
Molybdenum .....	107	Platinum group metals .....	110
Motor vehicle freight .....	155	Plywood .....	133
		Price deflators, GNP .....	22
Natural gas production .....	12, 90	Population .....	38
Natural gas, proved and probable reserves ....	84	Ports, offloading .....	164
Natural rubber .....	117	Potassium fertilizer, consumption .....	151
Net financial flows .....	69	Potassium fertilizer, production .....	12, 116
Nickel, refined .....	12, 105	Potatoes .....	12, 139
Nitrogen fertilizer, consumption .....	149	Power equipment .....	123-124
Nitrogen fertilizer, production .....	114	Power, hydroelectric .....	94
Nonagricultural labor force .....	40	Power, nuclear .....	95
Non-Communist countries, exports .....	53	Price index, consumer .....	34
Non-Communist countries, imports .....	54	Price index, wholesale .....	36
Non-Communist countries, oil import bill .....	62	Prices, agricultural .....	32
Non-Communist countries, trade balance .....	55	Prices, metal .....	32
Nuclear power generating capacity .....	95	Prices, oil .....	33
		Primary aluminum .....	12, 105
Ocean freight traffic .....	158	Primary energy .....	81-83
Oil, consumption .....	87	Primary energy consumption .....	82
Oil, crude .....	84-86	Primary energy, type .....	83
Oil, crude, consumption .....	87	Primary magnesium .....	109
Oil, crude, proved reserves .....	84	Primary tin metal .....	12, 109
Oil, crude, world consumption .....	87	Productivity, aggregate factor, USSR .....	46
Oil, exporters .....	87	Productivity, factor, industrial, USSR .....	47
Oil, importers .....	88	Proved and probable reserves of crude oil .....	84
Oil, import bill, major non-Communist consum- ing countries .....	62	Purchasing power equivalents, GNP .....	18
Oil, prices .....	33		
Oil, trade .....	87-88	Radio receivers in use .....	166
OPEC, economic profile .....	10	Radio receivers, production .....	129
Ore, iron .....	12, 97	Railroad freight cars, inventory .....	160
Ore, manganese .....	98	Railroad freight cars, production .....	126
Ore, tungsten .....	98	Railroad freight traffic .....	12, 153-154
Organization of Petroleum Exporting Countries, economic profile .....	10	Rates of exchange, Communist countries .....	44
		Rayon fabrics .....	121
		Receivers, radio, in use .....	13, 166
		Receivers, radio, production .....	12, 129
		Receivers, television, in use .....	167
		Receivers, television, production .....	12, 128

Refined copper .....	12, 104	Trade balance, non-Communist countries .....	55
Refined nickel .....	12, 105	Trade, foreign, China .....	64-65
Refined zinc .....	12, 107	Trade, foreign, China, direction .....	64
Refrigerators, US, USSR .....	13	Trade, foreign, China, exports .....	65
Repayments scheduled, on Western credits to USSR .....	48	Trade, foreign, China, imports .....	65
Reserves, crude oil, proved and probable .....	84	Trade, foreign, Communist countries .....	62-68
Reserves, international .....	26	Trade, foreign, developed countries, direction of .....	56
Rice .....	12, 138	Trade, foreign, Eastern Europe .....	66-68
Rubber, natural .....	117	Trade, foreign, Eastern Europe, direction .....	66
Rubber, synthetic .....	117	Trade, foreign, Eastern Europe, exports .....	67
Rubber tires .....	128	Trade, foreign, Eastern Europe, imports .....	68
Semifinished steel .....	103	Trade, foreign, non-Communist, exports .....	53
Smelter lead .....	12, 106	Trade, foreign, non-Communist, exports, arms to LDCs .....	75
Soda, caustic .....	111	Trade, foreign, non-Communist, imports .....	54
Soviet (see USSR)		Trade, foreign, non-Communist, trade balance ..	55
Soviet aid (see Aid, USSR)		Trade, foreign, oil import bill .....	62
Sponge, titanium .....	108	Trade, foreign, USSR .....	52 62-63
State budget, USSR .....	49	Trade, foreign, USSR, direction .....	62
Steel, crude .....	12, 102	Trade, foreign, USSR, exports .....	63
Steel, semifinished .....	103	Trade, foreign, USSR, imports .....	63
Stock of fixed capital, USSR .....	46	Trade, oil .....	87-88
Students from LDCs in Communist countries .....	78	Trade, world .....	51-52
Sugar .....	12, 140	Traffic, freight, air .....	157
Sulfuric acid .....	112	Traffic, freight, inland water .....	156
Synthetic ammonia .....	111	Traffic, freight, motor vehicle .....	155
Synthetic fibers .....	12, 122	Traffic, freight, ocean .....	158
Synthetic rubber .....	117	Traffic, freight, railroad .....	12, 153-154
Tankers, harbors accessible for, fully loaded .....	164	Traffic, freight, truck .....	155
Tanker fleet, inventory .....	12, 163	Traffic, passenger, air .....	157
Technical trainees of LDCs to Communist countries .....	78	Trainees in Communist countries .....	78
Technicians, Communist, economic, in LDCs, by country .....	79	Transportation, petroleum pipeline .....	159
Telephones in use .....	165	Truck freight .....	155
Television receivers in use .....	13, 165	Trucks, production .....	127
Television receivers production .....	12, 128	Trucks, civilian, inventory .....	161
Tin metal, primary .....	12, 109	Tungsten ore .....	98
Tires, rubber .....	128	Turbines .....	123
Titanium sponge .....	108	Unemployment rates .....	42-43
Tools, metalcutting machine .....	124	US dollar, foreign exchange value .....	4
Tools, metalforming machine .....	124	US economic grants to LDCs, by recipient ..	71
Total gross bilateral capital flows to LDCs, by donor .....	71	US economic loans to LDCs, by recipient .....	71
Total gross bilateral capital flows to LDCs, by recipient .....	71	US military deliveries to LDCs, by recipient .....	72
Tractors .....	125	US, USSR, commodity production .....	14-15
Trade Big Seven .....	59-60	US, USSR, living standards, indicators of .....	13
Trade balance, Big Seven .....	61	USSR, aggregate factor productivity .....	46
		USSR, aid (see Aid, USSR)	
		USSR, average annual rates of growth in industrial production, by branch of industry ..	47

USSR, budget, state .....	49	USSR, balance of payments .....	48
USSR, capital, fixed, stock of .....	46	USSR, trade, foreign .....	62-63
USSR, capital investment, gross fixed .....	45	USSR, trade, foreign, direction .....	62
USSR, credits, Western, to .....	48	USSR, US, comparisons .....	13-15
USSR, drawings, Western credits .....	48	USSR, US, living standards, indicators of .....	13
USSR, economic performance .....	45-50	USSR, US, GNP .....	45
USSR, economic plans for 1978 and 1976-80 .....	50	USSR, Western credits to .....	48
USSR, exports .....	63		
USSR, factor productivity, aggregate .....	46	Vehicles, commercial, production .....	12, 127
USSR, fixed capital, stock of .....	46	Vehicles, motor, production .....	126-127
USSR, foreign trade .....	62-63		
USSR, foreign trade, direction .....	62	Washing machines, US, USSR .....	13
USSR, gold .....	49	Western credits to USSR, drawings .....	48
USSR, gross fixed capital investment .....	45	Western credits to USSR, repayments, scheduled .....	48
USSR, gross industrial production index .....	27	Wheat .....	12, 136
USSR, GNP, distribution of .....	45	Wholesale price index .....	36
USSR, GNP, end use .....	45	Wholesale price inflation .....	37
USSR, GNP, US and .....	14, 17	Wool .....	12, 146
USSR, balance of payments .....	48	Woolen fabrics .....	120
USSR, imports .....	63	World GNP, 1977 .....	1
USSR, industrial factor productivity .....	47	World statistics .....	12
USSR, industrial production, gross, index .....	27	World trade .....	51-52
USSR, industrial production, growth .....	47	Woven acetate fabrics .....	121
USSR, industrial production, indexes .....	27-28	Woven cotton fabrics .....	119
USSR, investment, gross fixed capital .....	45	Woven rayon fabrics .....	121
USSR, living standards, indicators of .....	13	Woven woolen fabrics .....	120
USSR, plans, economic, for 1978 and 1976-80 .....	50		
USSR, repayments on Western credits to .....	48	Zinc, refined .....	12, 107
USSR, state budget .....	49		

*mpg to kilometers per liter x 0.425144*

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	<del>Miles, nautical .....</del>	Kilometers .....	<u>1.852</u>
Acres .....	Meters, square .....	4046.856	Miles, statute .....	Centimeters .....	<del>160934.4</del>
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
<del>33.3144</del> Feet, cubic .....	Meters, cubic .....	0.028316847	Ounces, troy .....	Grams .....	<del>31.10348</del>
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	Ton-miles, long .....	Ton-kilometers, metric .....	1.635169
Kilograms .....	Tons, metric .....	0.001	Ton-miles, short .....	Ton-kilometers, metric .....	1.459972
Kilometers, square .....	Hectares .....	100	Tons, register .....	Meters, cubic .....	2.831685
Liters .....	Milliliters .....	1000	Tons, short .....	Kilograms .....	907.185
Liters .....	Meters, cubic .....	0.001	Tons, short .....	Tons, metric .....	0.907185
Meters .....	Millimeters .....	1000	Yards .....	Centimeters .....	91.44
Meters .....	Centimeters .....	100	Yards .....	Meters .....	0.9144
Meters .....	Kilometers .....	0.001	Yards, cubic .....	Liters .....	764.5549
Meters, cubic .....	Liters .....	1000	Yards, cubic .....	Meters, cubic .....	0.7645549
			Yards, square .....	Meters, square .....	0.836127

*1 mt = 2204.6 lbs.  
= 32,150.7 Progs*

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2 March 1979

## World Crude Oil: Consumption, Including Natural Gas Liquids

Thousand b/d

	1973	1974	1975	1976	1977	1978 <sup>1</sup>
<b>World</b> .....	<b>57,320</b>	<b>55,965</b>	<b>55,065</b>	<b>59,280</b>	<b>61,075</b>	<b>63,465</b>
<b>Free World</b> .....	<b>48,280</b>	<b>46,365</b>	<b>45,280</b>	<b>48,210</b>	<b>49,400</b>	<b>50,900</b>
<b>OECD</b> .....	<b>39,330</b>	<b>37,570</b>	<b>36,195</b>	<b>38,440</b>	<b>39,400</b>	<b>40,330</b>
United States <sup>2</sup> .....	16,855	16,175	15,860	16,895	17,895	18,240
Japan .....	5,390	5,250	4,965	5,160	5,400	5,510
Canada .....	1,755	1,690	1,765	1,770	1,765	1,800
Western Europe .....	14,690	13,775	12,970	13,860	13,645	14,070
West Germany .....	2,985	2,700	2,555	2,775	2,735	2,900
France .....	2,485	2,370	2,145	2,330	2,275	2,400
Italy .....	2,080	2,050	1,905	1,970	1,920	2,015
United Kingdom .....	2,270	2,120	1,840	1,850	1,865	1,925
Spain .....	760	805	895	995	900	945
Netherlands .....	825	710	690	780	750	710
Belgium/Luxembourg .....	645	570	535	555	550	570
Sweden .....	585	540	535	590	585	545
Denmark .....	360	320	320	340	340	345
Turkey .....	240	240	270	300	340	325
Austria .....	240	220	215	230	220	245
Switzerland .....	295	265	250	260	265	235
Finland .....	270	240	235	255	250	230
Greece .....	240	215	190	205	210	225
Norway .....	175	160	145	165	180	180
Portugal .....	115	130	135	145	140	135
Ireland .....	100	110	100	100	110	125
Iceland .....	15	15	10	10	15	15
Australia .....	545	585	550	575	605	620
New Zealand .....	95	95	85	90	90	90
Other <sup>3</sup> .....	8,950	8,795	9,085	9,770	10,000	10,570
<b>Communist Countries</b> .....	<b>9,040</b>	<b>9,600</b>	<b>10,385</b>	<b>11,070</b>	<b>11,675</b>	<b>12,565</b>
USSR .....	6,330	6,790	7,200	7,550	7,900	8,400
Eastern Europe .....	1,790	1,780	1,885	2,020	2,175	2,355
Bulgaria .....	250	270	250	255	265	290
Czechoslovakia .....	300	315	330	355	375	400
East Germany .....	275	270	280	310	330	360
Hungary .....	180	190	220	225	235	265
Poland .....	270	260	310	325	345	340
Romania .....	260	240	260	295	340	380
Yugoslavia .....	255	235	240	260	290	320
China .....	920	1,030	1,300	1,500	1,600	1,810

<sup>1</sup> Preliminary.<sup>2</sup> Excluding refinery gain.<sup>3</sup> Including unrecorded consumption and statistical discrepancies.

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World Crude Oil: Production, Excluding Natural Gas Liquids <sup>1</sup>

2 March 1979

	Thousand b/d						
	1973	1974	1975	1976	1977	1978 <sup>2</sup>	Dec 1978 <sup>2</sup>
<b>World</b> .....	<b>55,745</b>	<b>55,875</b>	<b>53,005</b>	<b>57,325</b>	<b>59,870</b>	<b>59,830</b>	<b>61,650</b>
<b>Free World</b> .....	<b>45,840</b>	<b>45,150</b>	<b>41,485</b>	<b>45,080</b>	<b>46,760</b>	<b>46,205</b>	<b>47,770</b>
<b>Western Hemisphere</b> .....	<b>16,130</b>	<b>15,290</b>	<b>14,135</b>	<b>13,780</b>	<b>14,015</b>	<b>14,740</b>	<b>15,390</b>
United States .....	9,210	8,775	8,375	8,130	8,180	8,665	8,760
Venezuela .....	3,365	2,975	2,345	2,295	2,240	2,165	2,320
Canada .....	1,800	1,695	1,460	1,300	1,320	1,315	1,540
Mexico .....	450	575	715	800	980	1,205	1,370
Argentina .....	420	415	390	390	430	460	470
Ecuador .....	210	175	160	185	185	205	210
Other .....	675	680	690	680	680	725	720
<b>Eastern Hemisphere</b> .....	<b>29,710</b>	<b>29,860</b>	<b>27,350</b>	<b>31,300</b>	<b>32,745</b>	<b>31,465</b>	<b>32,380</b>
<b>Western Europe</b> .....	<b>370</b>	<b>380</b>	<b>550</b>	<b>855</b>	<b>1,370</b>	<b>1,745</b>	<b>2,020</b>
Norway .....	30	35	190	280	280	355	360
United Kingdom .....	Negl	Negl	20	245	770	1,080	1,350
Other .....	340	345	340	330	320	310	310
<b>Middle East</b> .....	<b>21,220</b>	<b>21,860</b>	<b>19,590</b>	<b>22,135</b>	<b>22,405</b>	<b>20,945</b>	<b>21,000</b>
Saudi Arabia <sup>3</sup> .....	7,595	8,480	7,075	8,575	9,200	8,295	10,400
Iran .....	5,860	6,020	5,350	5,885	5,665	5,195	2,370
Kuwait <sup>3</sup> .....	3,020	2,545	2,085	2,145	1,970	2,095	2,200
Iraq .....	2,020	1,970	2,260	2,415	2,495	2,450	3,000
United Arab Emirates	1,535	1,680	1,665	1,935	2,000	1,830	1,840
Abu Dhabi .....	1,305	1,410	1,370	1,585	1,650	1,445	1,460
Dubai .....	230	240	255	310	320	365	370
Sharjah .....	...	30	40	40	30	20	10
Qatar .....	570	520	440	495	445	480	580
Oman .....	295	290	340	365	340	315	310
Syria .....	105	125	185	190	180	170	170
Other .....	220	230	190	130	110	115	130
<b>Africa</b> .....	<b>5,900</b>	<b>5,370</b>	<b>4,995</b>	<b>5,830</b>	<b>6,205</b>	<b>5,980</b>	<b>6,580</b>
Nigeria .....	2,055	2,255	1,785	2,070	2,085	1,910	2,380
Libya .....	2,175	1,520	1,480	1,935	2,065	1,975	2,090
Algeria .....	1,070	960	975	1,020	1,095	1,100	1,100
Gabon .....	150	200	225	225	220	220	220
Egypt .....	165	145	250	330	420	485	500
Angola/Cabinda .....	160	170	140	110	170	130	130
Other .....	125	120	140	140	150	160	160
<b>Asia-Pacific</b> .....	<b>2,220</b>	<b>2,250</b>	<b>2,215</b>	<b>2,480</b>	<b>2,765</b>	<b>2,795</b>	<b>2,780</b>
Australia .....	370	390	410	425	430	430	420
Indonesia .....	1,340	1,375	1,305	1,505	1,685	1,635	1,600
Malaysia-Brunei .....	320	290	300	330	400	455	480
Other .....	190	195	200	220	250	275	280
<b>Communist Countries</b> .....	<b>9,905</b>	<b>10,725</b>	<b>11,520</b>	<b>12,245</b>	<b>12,910</b>	<b>13,625</b>	<b>13,880</b>
USSR .....	8,420	9,020	9,630	10,170	10,700	11,215	11,470
China .....	1,090	1,315	1,490	1,670	1,805	2,010	2,010
Romania .....	285	280	290	295	295	290	290
Other .....	110	110	110	110	110	110	110

<sup>1</sup> Global natural gas liquids production in 1978 was approximately 3.2 million b/d, with the United States and OPEC accounting for 1.58 million b/d and 725,000 b/d, respectively.

<sup>2</sup> Preliminary.

<sup>3</sup> Including the share of Neutral Zone crude oil production.

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rev. 17 April 1978

## GUIDELINES FOR WRITING OER REPORTS

### 1. *Classification* - Make as low as possible.

25X1

### 2. *Coordination* - When in doubt, coordinate.

The analyst bears the responsibility for coordination. For OER publications, drafts should be fully coordinated internally in CIA. Formal procedures are required when coordinating with OSR, OSI, and OWI; the analyst must forward a copy of the manuscript and, if possible, the name of his working level counterpart to SA/ER [redacted]. For NID items, external coordination is also required. Failure to obtain coordination may result in delayed publication or even cancellation of a project. For certain EIWR and IEBR articles, consultation -- not formal coordination -- with Treasury, State, USDA, or DOE is required.

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### 3. *Title* - Identify the message concisely, starting with the name of the country or key topical word, e.g.:

- a. China: Offshore Oil Exploration Snagged
- b. OPEC Countries: Oil Revenues to Double by 1981
- c. GATT: Britain Balks at Lower Tariffs

### 4. *Summary, Conclusions, or Key Judgments* - Put the thrust of the report in a sentence or short paragraph and use the remainder of the summary or conclusions to expand on the main thesis. An alternative, more suitable for some topics, is a short series of key judgments.

For longer publications, the summary/conclusions/key judgments can be no more than two printed pages.

For articles in the EIWR, IEBR, NID, or PDB, the opening sentence giving the key idea often stands as a separate paragraph.

### 5. *Introduction* - Use in longer publications to tell the reader what the report is about.

The introduction is used to state the problem or objective of the project, to give the general procedure or method of approach, to provide the necessary substantive background for the reader, or to describe the organization of the report.

### 6. *Discussion* - Organize according to one major order (chronological, geographical, or functional); take up and kill off subjects one by one.

The discussion is the meat of the report. It unfolds the argument. It contains the facts, data, evidence, and chain of reasoning. Where differences exist as to how the data should be processed or evaluated, the report should contain raw data. Such data need not be included directly in the discussion but may be represented in an appendix. Finally, good reports incorporate ideas and draw conclusions that go far beyond the mere presentation of data.

Concrete phrasing enlivens the discussion -- for example, "the new Soviet-designed steel rolling mill at Bhilai" rather than "the new Indian steel mill."

A well-developed discussion is easily divided into *sections* and *sub-sections*. The headings of these divisions alert the reader to a change of topic.

7. **Tabular material** - Use tabular presentations -- tabulations, text tables, and appendix tables -- as an economical means of conveying data to the reader.

a. **Tabulation:** A concise columnar listing of key data in the mainstream of the discussion -- for example, the export tonnage of major Soviet metals in 1977 or the inflation rate for each EC country in first half 1976.

b. **Text table:** A more detailed listing of data or facts, normally a half-page or page in length -- for example, a balance-of-payments statement or a selection of major economic indicators for the past five years. A text table ordinarily should be self-contained, that is, contain sufficient information to stand by itself.

c. **Appendix table:** A longer, detailed compilation of information designed as reference material -- for example, a listing and description of the contract terms of major economic agreements between Japan and the USSR.

8. **Graphic Materials** - Use graphs, maps, and photographs to highlight the key point(s) of a report.

Any graphic must make a positive contribution to the report and be properly integrated into the text. It must not distract from the text, misrepresent the facts, contain more than the reader needs, or merely duplicate tabular material. Normally, one graphic suffices in an EIWR, IEER, NID, or PDB article.

Once the need for graphic materials has been determined, and approval given by the branch chief, the analyst must consult the graphics coordinator, St/P (Room 4F19, Extension ). If photographs are to be included, the analyst is responsible for their selection.

9. **Appendixes** - Use for detailed material that would interrupt the argument of the text.

Appendixes serve to present (a) data that support an important point made in the text, (b) a description of the methodology for deriving or processing data, (c) a detailed discussion of a controversial section of the text, or (d) supplementary information, such as biographical details on personages mentioned in the text. Appendixes should be given a title and be referenced in the text.

10. **Footnotes** - Use sparingly.

Footnotes are used to (a) give explanations or further information that readers might want but that would interrupt the main idea of the text or (b) identify the source of a quotation.

11. **Style** - Strive first for "short words, short sentences, short paragraphs."

- a. Use short Anglo-Saxon words in preference to ponderous Latinate words.
- b. Use adjectives and adverbs sparingly. Fold adjectives into nouns ("hovel" for "small miserable dwelling") and adverbs into verbs ("snuggle" for "lie closely").
- c. Avoid clauses beginning "it is" or "there is."
- d. Choose active voice rather than passive voice.
- e. Use no more than one subordinate element per sentence.
- f. Avoid the use of the "but," "however," and "although" constructions; these constructions, which slow the pace of the narrative, are greatly overworked.
- g. Use parallel grammatical elements when presenting a series of points, for example, all nouns, all phrases, or all sentences.
- h. Rewrite any sentence or phrase that a knowledgeable reader does not get on first reading.
- i. Review drafts to eliminate unnecessary words.

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