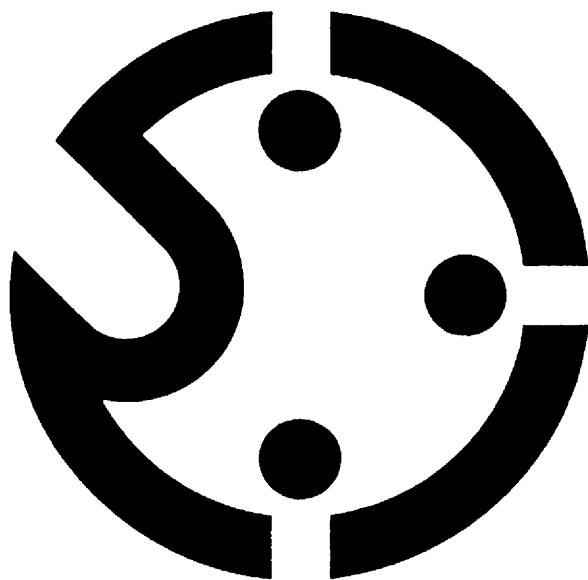


INTERNATIONAL IRON AND STEEL INSTITUTE

**STEEL
STATISTICAL YEARBOOK
1980**



COMMITTEE ON STATISTICS

BRUSSELS 1980

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INTERNATIONAL IRON AND STEEL INSTITUTE
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S T E E L

STATISTICAL YEARBOOK

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FOREWORD

This Yearbook brings together into one volume a cross section of basic steel industry statistics which are published or exchanged by the International Iron and Steel Institute. The information presented is as up-to-date as possible, the contents having been finalised in September 1980. Nevertheless many of the 1979 statistics given are preliminary and subject to revision. Thanks are due to members of the Committee on Statistics, and to the Institute's network of Statistical Respondents, whose generous cooperation makes possible the production of IISI statistical reports.

Enquiries or requests for additional information should be addressed to the Secretary, Committee on Statistics, International Iron and Steel Institute, Avenue Hamoir 12 - 14, B - 1180 Brussels, Belgium.

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INTRODUCTORY NOTES

In general, the statistics presented in this Yearbook are based on a broad definition of the steel industry, covering the following:

- blast furnaces and their associated raw materials preparation;
- steel melting shops and foundries;
- casting and continuous casting plant;
- hot and cold-rolling mill including associated coating plant;
- re-rolling;
- cold-finishing;
- steel forging;
- manufacture of tube and pipe;
- wire-drawing.

Crude steel is defined as the total of useable ingots, continuously cast semi-finished products, and liquid steel for castings. Pig iron, which does not include sponge iron, comprises both steelmaking and foundry iron.

Countries have been classified into geographical/economic regions. Egypt and the Libyan Arab Republic are included with the Middle East, not with Africa; North America consists only of the two industrial countries, Canada and the United States. The Western World excludes the USSR and Comecon countries, as well as China and the Democratic People's Republic of Korea.

The standard unit of measurement employed is the metric ton (1000 Kg or 2205 lbs). Due to rounding, some columns or rows of figures may not add exactly to the stated totals. The following symbols are employed:

- E = estimate
- P = provisional
- = nil or negligible
- .. = not available

The production and consumption figures for the United Kingdom are originally published on the basis of 52- or 53-week years; these data have in some tables been converted by the IISI Secretariat onto a calendar year basis.

EXPLANATORY NOTES AND SOURCES RELATED TO SPECIFIC TABLES ARE GIVEN IN THE APPENDIX ON PAGES 46 - 48.

TABLE 1

WORLD CRUDE STEEL PRODUCTION

Million metric tons

<u>Year</u>	<u>Production</u>	<u>Year</u>	<u>Production</u>
1900	28.3	1940	140.6
1901	31.0	1941	153.8
1902	34.5	1942	151.4
1903	36.1	1943	159.6
1904	36.3	1944	151.2
1905	44.9	1945	113.1
1906	51.2	1946	111.6
1907	53.0	1947	136.0
1908	41.4	1948	155.3
1909	54.2	1949	160.0
1910	60.3	1950	191.6
1911	60.5	1951	211.1
1912	72.8	1952	211.6
1913	76.4	1953	234.8
1914	60.4	1954	223.8
1915	66.6	1955	270.0
1916	78.2	1956	283.5
1917	82.0	1957	292.5
1918	77.2	1958	274.3
1919	58.5	1959	305.7
1920	72.5	1960	346.4
1921	45.2	1961	351.3
1922	68.8	1962	360.1
1923	78.3	1963	387.1
1924	78.5	1964	433.4
1925	90.4	1965	454.0
1926	93.4	1966	472.7
1927	101.8	1967	497.2
1928	110.0	1968	529.8
1929	120.8	1969	574.6
1930	95.1	1970	595.4
1931	69.6	1971	582.6
1932	50.7	1972	630.3
1933	68.0	1973	698.4
1934	82.4	1974	709.0
1935	99.5	1975	645.4
1936	124.3	1976	676.4
1937	135.7	1977	675.4
1938	110.0	1978	717.1
1939	137.1	1979	747.8

TABLE 2

WORLD CRUDE STEEL PRODUCTION
(thousand metric tons)

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
WESTERN EUROPE											
Belgium	12,832	12,607	12,445	14,532	15,522	16,227	11,582	12,145	11,256	12,601	13,442
Denmark	482	473	471	498	453	538	557	722	686	863	804
France	22,510	23,774	22,843	24,054	25,270	27,021	21,531	23,227	22,094	22,841	23,360
F. R. of Germany	45,318	45,041	40,313	43,705	49,521	53,232	40,412	42,413	38,984	41,253	46,040
Ireland	81	80	80	77	116	110	81	58	47	69	72
Italy	16,428	17,277	17,452	19,813	20,995	23,804	21,865	23,455	23,335	24,283	24,250
Luxemburg	5,521	5,462	5,241	5,457	5,924	6,447	4,624	4,565	4,329	4,790	4,949
Netherlands	4,712	5,042	5,083	5,585	5,623	5,837	4,817	5,178	4,923	5,583	5,806
United Kingdom(1)	28,896	27,833	24,219	25,431	26,667	22,384	19,773	22,335	20,467	20,367	21,523
Sub Total	134,778	137,589	128,147	139,152	150,091	155,598	125,242	134,098	126,121	132,650	140,246
Austria	3,928	4,079	3,960	4,069	4,238	4,699	4,069	4,476	4,093	4,335	4,917
Finland	978	1,169	1,025	1,456	1,615	1,656	1,616	1,649	2,196	2,333	2,464
Greece	450	450	475	675	1,087	928	666	715	759	936	1,000
Norway	854	870	883	916	963	913	891	886	704	797	891
Portugal	400	385	412	425	501	399	443	461	549	625	670
Spain	5,982	7,394	8,025	9,526	10,800	11,502	11,102	10,982	11,169	11,339	12,248
Sweden	5,322	5,497	5,271	5,257	5,663	5,988	5,611	5,139	3,968	4,325	4,733
Switzerland	500	524	532	543	584	592	420	545	656	784	886
Turkey	1,170	1,312	1,235	1,557	1,354	1,590	1,703	1,972	1,902	2,172	2,396
Yugoslavia	2,220	2,228	2,453	2,588	2,676	2,836	2,916	2,751	3,182	3,456	3,535
Total Western Europe	156,580	161,497	152,418	166,164	179,572	186,699	154,679	163,674	155,299	163,752	173,986
EASTERN EUROPE											
Bulgaria	1,515	1,800	1,948	2,121	2,246	2,188	2,265	2,460	2,589	2,470	2,482
Czechoslovakia	10,802	11,480	12,069	12,728	13,158	13,640	14,324	14,693	15,054	15,294	14,817
German Dem. Rep.	5,140	5,425	5,745	6,065	5,855	6,165	6,480	6,740	6,850	6,976	7,024
Hungary	3,032	3,110	3,110	3,273	3,332	3,468	3,673	3,652	3,723	3,773	3,907
Poland	11,251	11,750	12,688	13,424	14,057	14,556	15,007	15,640	17,841	19,250	19,218
Romania	5,540	6,517	6,803	7,401	8,161	8,840	9,549	10,970	11,457	11,779	12,909
Total Eastern Europe	37,280	40,082	42,363	45,012	46,809	48,857	51,298	54,155	57,514	59,542	60,357
USSR	110,315	115,886	120,637	125,589	131,481	136,200	141,325	144,805	146,655	151,436	149,087
NORTH AMERICA											
Canada	9,351	11,200	11,040	11,863	13,388	13,623	13,025	13,290	13,631	14,899	16,078
United States(2)	128,151	119,307	109,264	120,874	136,802	132,195	105,816	116,120	113,700	124,313	123,276
Total North America	137,502	130,507	120,304	132,737	150,190	145,818	118,841	129,410	127,331	139,212	139,354
LATIN AMERICA											
Argentina	1,690	1,823	1,915	2,151	2,205	2,353	2,208	2,410	2,684	2,782	3,199
Brazil	4,925	5,390	5,997	6,518	7,150	7,515	8,387	9,253	11,253	12,205	13,893
Central America	3	8	9	6	10	10	10	13	62	64	98
Chile	641	592	654	631	549	634	508	503	559	616	642
Colombia	272	310	325	373	362	311	390	370	330	390	361
Cuba	119	140	E 160	E 185	220	E 240	300	296	302	300	E 300
Mexico	3,467	3,881	3,821	4,431	4,760	5,138	5,272	5,298	5,601	6,711	7,005
Peru	194	94	179	181	356	481	431	349	379	377	436
Uruguay	14	16	15	13	12	14	16	16	19	9	14
Venezuela	840	927	924	1,128	1,063	1,041	1,063	936	803	860	1,506
Total Latin America	12,165	13,181	13,999	15,617	16,687	17,737	18,585	19,444	21,992	24,314	27,454

(1) Calculated on a calendar year basis.

(2) Excludes steel for castings produced by companies not producing steel ingots (about 2,500,000 tons in 1973)

E - Estimate

WORLD CRUDE STEEL PRODUCTION (continued)

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
AFRICA											
Algeria	30	31	28	98	195	173	221	356	410	580	600
Rhodesia	E 300	374	439	462	E 500	E 500	E 500	E 500	E 500	E 700	740
Tunisia	100	100	90	133	140	132	130	102	157	E 150	E 150
South Africa	4,625	4,757	4,881	5,337	5,722	5,839	6,831	7,106	7,295	7,902	8,376
Other	60	70	80	90	100	120	120	120	150	150	E 150
Total Africa	5,115	5,332	5,518	6,120	6,657	6,764	7,802	8,184	8,512	9,482	10,516
MIDDLE EAST											
Egypt	E 450	E 450	E 450	E 450	E 525	E 500	E 500	E 500	E 600	E 600	E 800
Iran					240	567	551	549	E 1,825	E 1,300	E 1,400
Israel	60	60	65	65	65	75	60	70	72	94	107
Qatar										127	396
Other	28	29	42	72	E 80	E 85	E 70	E 65	E 51	E 55	E 170
Total Middle East	536	539	557	587	910	1,227	1,181	1,184	2,548	2,176	2,903
ASIA											
China	E16,000	E 18,000	E21,000	E23,000	E26,000	E26,000	E26,000	E21,000	E23,700	E31,780	E34,430
Hong Kong	E 95	E 100	E 105	E 110	E 115	E 120	E 120	E 120	E 120	E 120	E 120
India	6,557	6,276	6,101	6,856	6,889	7,068	7,991	9,364	10,009	10,099	10,126
Indonesia		10	10	30	50	80	100	139	250	310	518
Japan	82,166	93,322	88,557	96,900	119,322	117,131	102,313	107,399	102,405	102,105	111,748
Malaysia	74	122	160	187	180	182	183	190	194	203	233
Dem. Rep. of Korea	E2,000	E2,180	E2,360	E 2,500	E2,900	E3,200	E 2,900	E3,000	E4,000	E 5,080	E5,300
Philippines	101	112	136	173	216	237	316	357	364	278	397
Singapore	114	114	130	198	211	194	188	194	206	280	297
Rep. of Korea	373	481	472	586	1,157	1,947	1,994	E3,515	4,347	4,969	7,610
Taiwan (ROC)	480	350	470	540	535	901	1,010	1,628	1,770	3,432	4,250
Thailand	33	153	170	283	324	326	251	281	309	385	E 400
Other	25	190	190	190	300	E 300	E 300	E 300	E 350	E 350	E 350
Total Asia	108,018	121,410	119,861	131,553	158,199	157,686	143,666	147,487	148,024	159,389	175,779
OCEANIA											
Australia	7,032	6,839	6,753	6,751	7,699	7,813	7,869	7,794	7,338	7,596	8,119
New Zealand	102	157	144	157	190	194	185	222	218	225	229
Total Oceania	7,134	6,996	6,897	6,908	7,889	8,007	8,054	8,016	7,556	7,821	8,348

S U M M A R Y

Western Europe	156,580	161,497	152,418	166,164	179,572	186,699	154,879	163,674	155,299	183,752	173,986
Eastern Europe	37,280	40,082	42,363	45,012	46,809	48,857	51,298	54,155	57,514	59,542	60,357
U S S R	110,315	115,886	120,637	125,589	131,481	136,200	141,325	144,805	146,655	151,436	149,087
North America	137,502	130,507	120,304	132,737	150,190	145,818	118,841	129,410	127,331	139,212	139,354
Latin America	12,165	13,181	13,999	15,617	16,687	17,737	18,585	19,444	21,992	24,314	27,454
Africa	5,115	5,332	5,518	6,120	6,657	6,764	7,802	8,184	8,512	9,482	10,516
Middle East	536	539	557	587	910	1,227	1,181	1,184	2,548	2,176	2,903
Asia	108,018	121,410	119,861	131,553	158,199	157,686	143,666	147,487	148,024	159,389	175,779
Oceania	7,134	6,996	6,897	6,908	7,889	8,007	8,054	8,016	7,556	7,821	8,348
WORLD TOTAL	574,645	595,430	582,554	630,287	698,394	708,995	645,431	676,359	675,431	717,124	747,764
WESTERN WORLD TOTAL(3)	408,931	419,142	396,034	434,001	490,984	494,498	423,608	453,103	443,260	488,986	498,310

E = Estimate

(3) Western World means the world excluding the USSR and Eastern Europe, Cuba, China and the Democratic People's Republic of Korea

TABLE 3

MONTHLY CRUDE STEEL PRODUCTION IN 29 REPORTING ISI COUNTRIES, 1970 - 1979

Million metric tons

Country or Region	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<u>EEC (a)</u>										
January	12.2	11.4	10.7	12.3	13.3	13.0	10.3	10.7	10.5	10.5
February	11.2	10.7	10.5	11.3	12.4	11.5	10.5	10.2	10.5	11.3
March	11.9	11.6	11.9	12.9	13.6	11.8	11.9	11.6	11.9	12.7
April	12.7	10.8	11.5	12.2	13.0	11.5	11.1	10.1	12.2	11.3
May	11.6	10.8	11.9	12.9	13.5	9.8	12.1	11.1	11.8	12.2
June	11.6	10.7	12.0	12.4	12.5	10.5	11.3	11.2	11.4	11.8
July	11.5	10.4	11.1	12.3	12.8	9.0	11.3	10.4	10.7	11.7
August	10.5	10.0	10.9	12.0	12.0	8.2	10.5	9.3	9.3	10.7
September	12.0	11.0	12.1	12.4	13.2	10.1	12.0	11.0	11.5	12.4
October	11.5	10.9	12.7	13.4	13.8	10.4	11.9	10.7	11.8	12.6
November	10.7	10.3	12.2	13.4	13.1	10.2	11.2	10.4	11.5	12.2
December	10.7	9.5	11.5	12.5	12.3	9.2	9.9	9.4	9.3	10.9
<u>United States</u>										
January	10.2	10.2	9.1	11.2	11.5	10.5	8.9	8.2	9.3	10.1
February	9.5	9.9	9.1	10.5	10.5	9.9	9.0	8.0	8.7	9.6
March	10.8	11.5	10.5	11.9	11.6	10.9	10.2	10.0	10.0	11.4
April	10.3	11.4	10.5	11.6	11.3	9.7	10.4	10.1	10.4	11.1
May	10.5	11.7	10.8	12.0	11.6	8.9	11.0	11.1	11.2	11.6
June	10.3	10.4	10.0	11.3	11.1	7.9	10.5	10.3	10.7	11.1
July	9.8	9.0	9.4	11.1	11.0	7.8	10.3	9.4	10.3	10.7
August	9.8	5.2	9.8	11.0	10.7	7.8	10.1	9.4	10.5	10.3
September	9.7	7.0	9.9	11.1	10.7	8.4	9.5	9.1	10.4	9.6
October	9.7	7.3	10.6	11.7	11.4	8.4	9.3	9.5	11.0	9.8
November	9.1	7.3	10.3	11.4	10.5	7.9	8.6	8.8	10.6	9.1
December	9.5	7.9	10.8	11.5	9.9	8.0	8.4	9.1	10.7	9.1
<u>Japan</u>										
January	7.8	7.5	7.4	9.5	10.0	8.9	8.0	8.9	8.3	9.2
February	7.2	7.1	7.2	8.8	8.9	8.1	7.8	8.2	7.6	8.7
March	8.1	7.6	7.6	9.8	9.9	8.8	9.2	9.0	8.3	9.3
April	7.7	7.1	7.5	9.7	9.8	8.4	8.6	8.6	8.4	9.3
May	7.9	7.3	7.9	10.1	10.1	8.9	8.5	8.7	8.5	9.5
June	7.9	7.0	7.7	9.9	9.9	8.8	8.5	8.5	8.3	9.2
July	8.0	7.3	8.3	10.1	10.1	8.9	9.4	8.7	8.8	9.6
August	7.8	7.4	8.2	10.0	10.0	8.8	9.4	8.5	8.7	9.3
September	7.9	7.6	8.1	10.2	9.7	8.6	9.1	8.4	8.6	9.2
October	8.1	7.6	8.8	10.7	10.0	8.5	9.8	8.5	9.1	9.7
November	7.4	7.4	8.8	10.3	9.3	7.7	9.5	8.2	8.8	9.4
December	7.5	7.5	9.6	10.3	9.4	7.9	9.4	8.3	8.8	9.3
<u>Others (b)</u>										
January	5.4	5.6	5.7	6.6	7.0	7.0	7.2	7.9	8.2	9.3
February	5.1	5.0	5.6	6.2	6.6	6.8	7.0	7.3	7.6	8.5
March	5.5	5.6	6.2	7.8	7.2	7.5	7.6	8.1	8.6	9.8
April	5.3	5.4	5.9	6.4	6.8	7.3	7.4	7.5	8.3	9.4
May	5.5	5.7	6.0	6.7	6.8	7.2	7.8	7.6	8.5	9.8
June	5.4	5.7	5.8	6.3	6.6	7.0	7.5	7.6	8.2	9.1
July	5.1	5.2	5.6	6.2	6.7	6.6	7.4	7.2	7.8	9.0
August	5.3	5.5	6.0	6.6	7.0	6.8	7.5	7.6	7.9	9.1
September	5.5	5.5	6.2	6.4	7.0	7.1	7.5	7.8	8.7	9.5
October	5.6	5.8	6.3	6.7	7.6	7.0	7.6	8.2	9.0	10.0
November	5.5	5.7	6.4	6.5	7.3	7.2	7.5	8.0	8.8	9.7
December	5.6	5.0	6.4	6.6	7.2	7.2	7.7	7.9	9.1	9.8
<u>Total</u>										
January	35.6	34.7	32.9	39.6	41.8	39.4	34.4	35.7	38.3	39.1
February	33.0	32.7	32.4	36.8	38.4	36.3	34.3	33.7	34.4	38.1
March	36.3	36.3	36.1	41.4	42.3	39.0	38.9	38.7	38.7	43.1
April	36.0	34.7	35.4	39.9	40.7	36.9	37.5	36.3	39.3	41.1
May	35.5	35.5	36.6	41.7	42.0	34.8	39.4	38.5	40.0	43.1
June	35.2	33.8	35.5	39.9	40.1	34.2	37.8	37.6	38.7	41.2
July	34.4	31.9	34.4	39.7	40.6	32.1	38.4	35.7	37.7	41.0
August	33.4	28.1	34.9	39.6	39.7	31.6	37.5	34.8	36.4	39.3
September	35.1	31.1	36.3	40.1	40.6	34.2	38.1	36.3	39.1	40.7
October	34.9	31.6	38.4	42.5	42.7	34.3	38.6	36.9	40.9	42.2
November	32.7	30.7	37.7	41.6	40.2	33.0	36.8	35.4	39.6	40.4
December	33.3	30.5	38.3	40.9	38.8	32.2	35.4	34.7	37.9	39.0

(a) = Excludes Ireland.

(b) = Austria, Finland, Norway, Portugal, Spain, Sweden, Turkey, Yugoslavia, Canada, Argentina, Brazil, Chile, Mexico, Venezuela, Australia, India, Republic of Korea, South Africa and Taiwan (ROK).

TABLE 4

CONTINUOUS CASTING OUTPUT (1) AND SHARE OF CRUDE STEEL OUTPUT (2) BY COUNTRY

1972 - 1979

	1972		1973		1974		1975		1976		1977		1978		1979P	
	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %	(1) '000 t	(2) %
Belgium	-	-	-	-	208	1.3	480	4.1	693	5.7	1,655	14.7	2,672	21.2	3,143	23.4
Denmark	-	-	-	-	-	-	73	13.1	312	43.2	347	50.7	481	55.7	473	58.8
F.R. of Germany	6,088	13.9	8,057	16.3	10,337	19.4	9,813	24.3	12,014	28.3	13,272	34.0	15,670	38.0	17,948	39.0
France	818	3.4	1,845	7.3	2,756	10.2	2,771	12.9	4,212	18.0	5,244	23.7	6,286	27.5	6,900	29.5
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	2,524	12.7	3,375	18.1	5,165	21.7	5,904	27.0	7,559	32.2	8,986	38.5	10,073	41.3	11,243	46.4
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom (52 weeks; 53 in 1975)	522	2.1	811	3.0	1,126	5.0	1,704	8.5	2,165	9.7	2,554	12.5	3,149	15.5	3,627	16.9
Total EEC (9)	9,952	7.2	14,088	9.4	19,592	12.6	20,745	16.5	26,955	20.1	32,058	25.4	38,331	28.9	43,334	30.9
Austria	419	10.3	505	11.9	766	16.3	866	21.3	1,244	27.8	1,533	37.5	1,723	39.8	2,336	47.5
Finland	1,076	73.9	1,256	77.8	1,290	77.9	1,233	76.3	1,255	76.1	1,831	83.4	2,054	88.0	2,187	88.8
Norway	29	3.2	120	12.5	143	15.7	140	15.7	E 140	E15.8	E 140	E17.0	E 140	E17.6	E 140	E15.7
Portugal	18	4.2	E 28	E5.5	30	7.5	35	7.9	69	15.0	195	35.5	244	39.0	245	36.6
Spain	1,481	15.5	2,038	18.9	2,218	19.3	2,333	21.0	2,493	22.7	2,887	25.8	3,287	29.0	3,930	32.1
Sweden	841	16.0	889	15.7	1,156	19.3	1,390	24.8	1,451	28.2	1,214	30.6	1,561	36.1	1,824	38.5
Yugoslavia	-	-	-	-	-	-	330	11.3	398	14.5	824	25.9	1,186	34.3	1,286	36.4
United States	6,973	5.8	9,270	6.8	10,722	8.1	9,653	9.1	12,246	10.5	14,268	12.5	18,903	15.2	20,577	16.7
Canada	1,393	11.7	1,551	11.6	1,873	13.8	1,735	13.3	1,582	12.0	2,169	15.9	3,011	20.2	3,192	19.9
Argentina	-	-	-	-	574	26.1	565	25.6	665	27.4	737	27.5	1,129	40.4	1,567	49.0
Brazil	144	2.2	228	3.2	379	5.1	477	5.7	1,119	12.1	1,957	17.4	3,016	24.8	3,831	27.6
Chile	8	1.3	7	1.3	9	1.4	7	1.4	11	2.2	11	2.0	9	1.3	10	1.6
Mexico	569	12.8	576	12.1	650	12.7	695	13.2	682	12.9	1,615	29.1	E2,000	E29.7	E2,100	E30.0
Australia	-	-	133	1.7	223	2.9	47	0.6	-	-	-	-	33	0.4	441	5.4
Japan	16,462	17.0	24,716	20.7	29,411	25.1	31,814	31.1	37,629	35.0	41,807	40.8	47,159	46.2	58,116	52.0
Republic of Korea	-	-	-	-	-	-	393	19.7	770	21.9	1,376	31.7	1,829	36.8	2,316	30.4
South Africa	784	14.7	917	16.0	1,105	18.9	1,393	19.7	1,861	26.2	2,739	38.1	3,431	43.4	4,384	49.4
Taiwan	-	-	-	-	-	-	-	-	420	23.7	420	23.7	1,341	39.1	1,910	44.9
Total of Above Countries	40,149	9.6	56,322	11.9	70,141	14.7	73,884	18.2	90,570	20.7	107,781	25.5	130,387	29.2	153,726	32.4
Percentage of Western World Steel Output Covered	-	96.4%	-	96.4%	-	96.5%	-	95.8%	-	95.6%	-	95.4%	-	95.2%	-	95.2%
USSR	6,907	5.5	6,968	5.3	7,355	5.4	9,729	6.9	11,729	8.1	12,200	8.3	14,400	10.4	15,300	11.3
Czechoslovakia	71	0.6	92	0.7	91	0.7	69	0.5	107	0.7	110	0.7	F 110	E 0.7	E 110	E 0.7
German D. R.	303	5.0	398	6.8	481	7.8	525	8.1	566	8.4	623	9.1	677	9.7	738	10.5
Hungary	-	-	59	1.8	422	12.2	775	21.1	1,019	27.9	1,054	28.3	1,151	30.5	1,281	32.8
Poland	309	2.3	309	2.2	320	2.2	332	2.2	297	1.9	446	2.5	539	2.8	691	3.6
Total Eastern Europe	683	1.9	858	2.4	1,314	3.5	1,701	4.3	1,989	4.9	2,233	5.1	2,477	5.5	2,820	6.2
Total All Listed Countries	47,739	8.2	64,148	10.0	78,810	12.1	85,314	14.5	104,288	16.7	122,214	19.9	147,264	22.9	171,846	25.7
Percentage of World Steel Output Covered	-	91.9%	-	91.8%	-	91.8%	-	90.9%	-	92.1%	-	90.7	-	89.7	-	89.4

TABLE 5.1
CRUDE STEEL PRODUCTION BY PROCESS

COUNTRY	(Thousand metric tons)										(Per cent of Total)				
	Basic Bessemer Thomas	Open Hearth S.M.	Pure Oxygen	Electric	Other	Total	Basic Bessemer Thomas	Open Hearth	Oxygen	Electric	Other				
Belgium		360	12,047	554		12,601	-	-	95.6	4.4	-				
Denmark		4,523	30,762	504		864	-	41.6	-	58.4	-				
F.R. of Germany	1,077	452	17,864	5,968	8	41,253	-	11.0	74.6	14.4	-				
France		1,510	10,465	12,299	9	24,283	4.7	2.0	43.2	15.1	-				
Italy		1,769	4,782	8		4,790	-	6.2	99.8	0.2	-				
Luxembourg			5,278	305		5,583	-	-	94.5	5.5	-				
Netherlands		8,614	11,331	7,200	11	20,311	-	8.7	55.8	35.5	-				
United Kingdom (52 weeks)															
Total of Above	1,077	8,614	92,529	30,278	28	132,526	0.8	6.5	69.8	22.9	-				
Austria		187	3,592	556		4,335	-	4.3	82.9	12.8	-				
Finland		22	1,988	323		2,333	-	0.9	85.2	13.9	-				
Norway			396	401		797	-	-	49.7	50.3	-				
Portugal			366	243	16	625	-	-	58.6	38.9	2.5				
Spain		608	5,916	4,821		11,345	-	5.4	52.1	42.5	-				
Sweden		340	2,117	1,888		4,325	-	7.9	48.9	43.2	-				
Turkey		598	1,041	533		2,172	-	27.5	47.9	24.6	-				
Yugoslavia		1,494	1,049	913		3,456	-	43.2	30.4	26.4	-				
Canada		3,029	8,414	3,456		14,899	-	20.3	56.5	23.2	-				
United States		19,332	75,736	29,245		124,313	-	15.6	60.9	23.5	-				
Argentina	60	972	514	1,236		2,782	2.2	34.9	18.6	44.4	-				
Brazil (1)	14	1,745	7,526	2,837		12,123	0.1	14.4	62.1	23.4	-				
Chile		8	569	16		593	-	1.3	96.0	2.7	-				
Mexico		1,498	2,459	2,778		6,735	-	22.2	36.5	41.2	-				
Venezuela		653		187		840	-	95.9	-	4.1	-				
Australia		1,675	5,750	171		7,596	-	22.1	75.7	2.2	-				
India		6,048	2,092	1,960		10,099	-	59.9	20.7	19.4	-				
Republic of Korea		108	2,838	2,023		4,969	-	2.1	57.2	40.7	-				
Japan			79,749	22,356		102,105	-	-	78.1	21.9	-				
South Africa		793	4,910	2,032	167 (2)	7,902	-	10.0	62.2	25.7	2.1				
Taiwan			1,204	2,228		3,432	-	-	35.1	64.9	-				
Total above countries	1,151	47,724	300,755	110,461	211	460,302	0.2	10.4	65.3	24.0	-				
Bulgaria		496	1,345	629		2,470	-	20.1	54.4	25.5	-				
German Dem. Republic	21	4,611	659	1,617	68	6,976	0.3	66.1	9.4	23.2	1.0				
Hungary		3,534		343		3,877	-	91.2	36.8	8.8	-				
Poland		9,535	7,084	2,631		19,250	-	49.5	43.6	13.7	-				
Romania		4,786	5,136	1,857		11,779	-	40.5	28.0	15.8	-				
U. S. S. R.	1,000	92,849	42,477	15,110		151,436	0.7	61.5	28.0	10.0	-				
Total Comecon countries	1,021	115,811	56,701	22,187	68	195,788	0.5	59.2	29.0	11.3	-				
TOTAL all above countries	2,172	163,535	357,456	132,648	279	656,090	0.3	24.9	54.5	20.2	-				

CRUDE STEEL PRODUCTION BY PROCESS

YEAR 1979

Country	(Thousand metric tons)						(Per cent of Total)					
	Basic Bessemer Thomas	Open Hearth S. M.	Pure Oxygen	Electric	Other	Total	Basic Bessemer Thomas	Open Hearth	Oxygen	Electric	Other	
Belgium	-	-	12,861	581	-	13,442	-	-	95.7	4.3	-	
Denmark	-	311	-	493	-	804	-	38.7	-	61.3	-	
F. R. of Germany	-	4,578	35,034	6,428	-	46,040	-	-	76.1	14.0	-	
France	775	385	18,625	3,675	-	23,360	3.3	1.7	79.7	15.3	-	
Italy	-	1,138	10,190	12,815	7	24,250	-	4.7	42.0	53.3	-	
Luxembourg	-	-	4,950	-	-	4,950	-	-	100.0	-	-	
Netherlands	-	-	5,487	313	6	5,806	-	-	94.5	5.4	0.1	
U. K. (52 weeks)	-	1,161	12,894	7,305	23	21,464	-	5.4	60.1	34.4	0.1	
Total of Above	775	7,575	100,041	31,690	36	140,116	0.6	5.4	71.4	22.6	0.0	
Austria	-	162	4,128	627	-	4,917	-	3.3	84.0	12.7	-	
Finland	-	-	2,123	341	-	2,464	-	-	86.2	13.8	-	
Norway	-	-	490	401	-	891	-	-	55.0	45.0	-	
Portugal	-	-	383	267	20	670	-	-	57.2	39.8	3.0	
Spain	-	650	5,934	5,661	-	12,248	-	6.3	48.5	46.2	-	
Sweden	-	282	2,490	1,661	-	4,733	-	6.0	52.6	41.4	-	
Turkey	-	582	1,311	504	-	2,397	-	24.3	54.7	21.0	-	
Yugoslavia	-	1,476	1,071	988	-	3,535	-	41.7	30.3	28.0	-	
Canada	-	3,285	9,116	3,667	-	16,078	-	20.5	56.7	22.8	-	
United States	-	17,380	75,529	30,307	-	123,276	-	14.1	61.3	24.6	-	
Argentina	85	789	757	1,568	-	3,199	2.6	24.7	23.7	49.0	-	
Brazil(1)	14	1,637	8,807	3,435	-	13,893	0.1	11.8	63.4	24.7	-	
Chile	-	-	627	15	-	642	-	-	97.7	2.3	-	
Mexico	-	1,460	2,595	2,950	-	7,005	-	20.8	37.0	42.1	-	
Venezuela	-	708	-	790	-	1,508	-	47.0	-	53.0	-	
Australia	-	1,865	6,044	210	-	8,119	-	23.0	74.4	2.6	-	
India	-	5,670	2,450	1,823	183(2)	10,126	-	56.0	24.2	18.0	1.8	
Rep. of Korea	-	6	5,302	2,302	-	7,610	-	0.1	69.7	30.2	-	
Japan	-	-	85,370	26,378	-	111,748	-	-	76.4	23.6	-	
South Africa	-	786	5,748	2,146	198(2)	8,876	-	8.9	64.7	24.2	2.2	
Taiwan E	-	-	1,400	2,850	-	4,250	-	-	33.5	66.5	-	
Total above countries	874	44,323	321,714	120,952	437	488,299	0.2	9.1	65.9	24.6	0.1	
Bulgaria	-	481	1,370	631	-	2,482	-	19.4	55.2	25.4	-	
German D. R.	E 22	E 4,650	653	E 1,630	E 69	7,024	0.3	66.2	9.3	23.2	1.0	
Hungary	-	3,567	-	340	-	3,907	-	91.3	-	6.7	-	
Poland	-	9,058	7,515	2,645	-	19,218	-	38.1	39.1	13.8	-	
Rumania	-	4,918	5,735	2,255	-	12,909	-	38.1	44.4	17.5	-	
U S S R	895	90,050	43,235	14,907	-	149,087	0.6	60.4	29.0	10.0	-	
Total Comecon countries	917	112,724	58,509	22,408	69	194,627	0.5	57.9	30.1	11.5	-	
TOTAL all above countries	1,791	157,057	380,222	143,360	506	682,926	0.3	23.0	55.7	21.0	0.1	

TABLE 6a

TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

AUSTRALIA

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	40	28	18	36	48	18	9	5	-	
B.	Ingots and Semi-Finished Products for Sale	194	176	161	45	46	612	24	18	41	22
C.	Railway Track Material	149	191	168	118	105	138	99	74	118	141
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	407	419	275	400	378	254	254	272	293	336
	2. Bars and Light Shapes	1055	1119	911	1089	1201	904	777	771	890	990
	3. Concrete Reinforcing Bars				Included in	D-2					58
	4. Total	1462	1538	1186	1489	1579	1158	1031	1043	1183	1384
E.	Wire Rods	518	470	546	532	607	503	668	856	741	759
F.	Hot Rolled Strip	234	232	232	318	283	180	211	214	236	421
G.	Plates	598	628	436	648	643	575	433	422	411	550
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale										
	2. Cold Rolled Sheets and Coils for Sale										
	3. Electrical Sheets										
	4. Galvanized Sheets										
	5. Other Coated Sheets (other than Tinplate)										
	6. Total	1058	983	1093	1207	1194	970	1247	1291	1516	1498
I.	Tinplate and Black Plate	300	317	253	306	341	268	333	368	343	366
J.	Wheels (Rolled and Forged) and Axles										-
K.	Steel Tubes and Fittings ⁽¹⁾	237	195	198	210	217	158	129	160	155	179
L.	Drawn Wire										
M.	Cold Rolled Strip	97	98	95	85	62	66	99	87	107	141
N.	Cold Drawn Bars										
O.	Totals. A - N	4887	4356	4386	4994	5125	4646	4283	4538	4851	5320
	2. SPECIAL STEEL GRADES										
P.	Total All Products	68	63	62	48	43	106	79	41	99	107
	3. SUMMARY										
Q.	Total All Grades (O + P)	4955	4919	4448	5042	5168	4752	4362	4579	4950	5427

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

(1) Material for pipes and tubes.

TABLE 6b

TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

AUSTRIA

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale	35	30	18	20	151	238	141	122	194	226
C.	Railway Track Material	70	71	89	93	103	139	149	125	140	167
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	80	77	75	81	77	63	57	54	74	64
	2. Bars and Light Shapes	173	184	146	163	175	136	157	118	119	121
	3. Concrete Reinforcing Bars	200	260	272	284	276	207	226	277	214	234
	4. Total	453	521	493	528	529	406	440	449	407	419
E.	Wire Rods	267	282	308	340	350	265	387	319	347	392
F.	Hot Rolled Strip	212	206	249	256	227	149	193	163	164	168
G.	Plates	665	642	630	642	717	610	559	548	659	748
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	403	401	368	341	340	206	391	343	467	521
	2. Cold Rolled Sheets and Coils for Sale	469	508	550	561	672	801	884	938	914	946
	3. Electrical Sheets	19	19	14	14	16	13	25	27	28	35
	4. Galvanized Sheets	33	32	40	52	74	67	74	94	104	135
	5. Other Coated Sheets (other than Tinplate)	2	2	3	3	7	4	-	4	3	4
	6. Total	926	962	975	972	1108	1092	1373	1407	1518	1642
I.	Tinplate and Black Plate										
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	2628	2712	2762	2851	3184	2896	3241	3132	3429	3764
2. SPECIAL STEEL GRADES											
P.	Total All Products	378	330	317	371	389	287	302	339	340	354
3. SUMMARY											
Q.	Total All Grades (O + P)	3006	3042	3079	3222	3573	3183	3543	3471	3769	4118

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6c
TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

BELGIUM

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	62	57	50	55	60	52	34			
B.	Ingots and Semi-Finished Products for Sale	473	375	317	455	405	822	442	226	197	
C.	Railway Track Material	37	26	29	25	11	1	1			
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	937	838	1140	1479	1442	1167	1105	1165	1218	1131
	2. Bars and Light Shapes	1404	1448	1444	1440	1448	827	878	581	571	606
	3. Concrete Reinforcing Bars	1079	1092	1184	1190	1083	576	524	386	345	404
	4. Total	3420	3378	3768	4109	3973	2570	2507	2132	2134	2245
E.	Wire Rods	681	632	728	627	710	499	525	478	582	606
F.	Hot Rolled Strip	354	327	281	196	210	86	147	100	90	
G.	Plates	1307	1288	1533	1600	1917	1215	1124	1140	1410	1404
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	1189	1222	1634	1624	1653	1026	1424	1679	2345	2404
	2. Cold Rolled Sheets and Coils for Sale	1788	1833	2197	2509	2734	2019	2200	2233	2406	2504
	3. Electrical Sheets	87	76	93	92	100	70	92	98	108	114
	4. Galvanized Sheets	435	421	554	624	580	475	554	529	627	674
	5. Other Coated Sheets (other than Tinplate)										
	6. Total	3499	3552	4478	4849	5067	3590	4270	4540	5486	5706
I.	Tinplate and Black Plate	273	261	304	304	339	310	323	379	323	304
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	10,106	9896	11,488	12,220	12,692	9145	9373	8995	10,222	10,604
	2. SPECIAL STEEL GRADES										
P.	Total All Products	120	149	193	187	283	221	213	190	236	604
	3. SUMMARY										
Q.	Total All Grades (O + P)	10,226	10,045	11,681	12,407	12,975	9366	9586	9185	10,458	11,208

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

Figures exclude ingots, semi-products and coils for re-rolling in Belgium and Luxemburg.

TABLE 6d

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

BRAZIL

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale	151	179	157	225	319	315	397	327	313	
C.	Railway Track Material	36	62	64	96	95	184	78	62	28	
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	140	81	286	284	449	446	497	446	478	
	2. Bars and Light Shapes	635	678	505	482			-	-		
	3. Concrete Reinforcing Bars	691	720	830	789	1570	1607	1798	1826	2004	
	4. Total	1466	1478	1621	1554	2019	2053	2295	2272	2482	
E.	Wire Rods	495	548	146	193	220	165	225	211	229	
F.	Hot Rolled Strip	-	-	-	-	-	-	-	-		
G.	Plates	454	505	586	697	699	854	778	1114	1295	
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	526	758	784	959	884	674	899	1172	1231	
	2. Cold Rolled Sheets and Coils for Sale	453	563	614	684	875	942	1060	1265	1458	
	3. Electrical Sheets	20	16	18	19	21	20	26	26	24	
	4. Galvanized Sheets	51	34	54	90	116	103	107	127	192	
	5. Other Coated Sheets (other than Tinplate)	1	2	5	5	5	3	41	29	100	
	6. Total	1051	1372	1474	1756	1901	1743	2132	2619	3005	
I.	Tinplate and Black Plate	244	250	243	315	295	294	381	494	548	
J.	Wheels (Rolled and Forged) and Axles								-		
K.	Steel Tubes and Fittings	131	134	119	132	118	152	180	174	187	
L.	Drawn Wire					494	645	585	752	771	
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	4027	4529	4410	4968	6160	6405	7051	8025	8857	
2. SPECIAL STEEL GRADES											
P.	Total All Products	-	19	20	(233)	(287)	(281)	(376)	(305)	(382)	
3. SUMMARY											
Q.	Total All Grades (O + P)	4027	4548	4430	4968	6160	6405	7051	8025	8857	

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6e

TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

CANADA

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale	303	257	252	280	355	342	294	338	370	
C.	Railway Track Material	448	370	263	369	403	317	321	295	196	
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	638	579	645	630	650	494	418	468	630	
	2. Bars and Light Shapes	1533	1530	1655	1873	1902	918	954	1017	1168	
	3. Concrete Reinforcing Bars						550	480	491	553	
	4. Total	2171	2110	2299	2503	2552	1962	1852	1976	2351	
E.	Wire Rods	526	567	645	742	788	492	564	588	964	
F.	Hot Rolled Strip				Included in		H-1				
G.	Plates	1158	1084	1190	1264	1313	1320	936	947	1249	
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	1439	1642	1982	2296	2323	2072	2157	2184	2280	
	2. Cold Rolled Sheets and Coils for Sale	1541	1628	1679	1832	1907	1402	1594	1590	1731	
	3. Electrical Sheets				Included in		H-2				
	4. Galvanized Sheets	576	646	725	857	899	715	734	760	898	
	5. Other Coated Sheets (other than Tinplate)				Included in		H-2				
	6. Total	3556	3916	4385	4985	5129	4190	4485	4534	4909	
I.	Tinplate and Black Plate				Included in		H-2				
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings	927	984	1166	1137	892	1083	1191	837	919	
L.	Drawn Wire	459	497	575	649	682	565	441	476	711	
M.	Cold Rolled Strip				Included in		H-2				
N.	Cold Drawn Bars	64	64	Included in	D-2		79	74	81	95	
O.	Totals A - N							10,158	10,072	11,494	12,7
	2. SPECIAL STEEL GRADES										
P.	Total All Products				Included above						
	3. SUMMARY										
Q.	Total All Grades (O + P)	9612	9849	10,775	11,929	12,114	10,350	10,158	10,072	11,494	12,7

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6f

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

FRANCE

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	526	567	515	526	533	560	511	469	497	498
B.	Ingots and Semi-Finished Products for Sale	221	227	225	182	241	229	178	329	296	260
C.	Railway Track Material	381	366	381	303	416	420	466	289	250	322
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	1361	1278	1312	1495	1645	1211	1203	1037	1135	987
	2. Bars and Light Shapes	1754	1560	1475	1621	1699	1159	1156	931	867	862
	3. Concrete Reinforcing Bars	1453	1441	1274	1282	1246	1101	1003	935	859	977
	4. Total	4568	4279	4061	4398	4590	3471	3362	2903	2961	2926
E.	Wire Rods	2131	2264	2378	2529	2751	1966	1961	1816	1989	2143
F.	Hot Rolled Strip	1150	1102	1313	1454	1431	973	1230	1117	1215	1192
G.	Plates	2284	2131	2118	2396	2777	2253	2245	2763	2332	2112
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	503	349	434	566	436	365	1062	1349	1500	1425
	2. Cold Rolled Sheets and Coils for Sale	3290	3354	3435	3730	3809	3001	3711	3468	3720	3372
	3. Electrical Sheets	190	205	201	227	250	166	194	154	160	195
	4. Galvanized Sheets	520	583	656	649	696	427	551	856	974	1101
	5. Other Coated Sheets (other than Tinplate)	128	151	203	240	215	180	255			
	6. Total	4631	4642	4929	5412	5406	4139	5773	5827	6354	6093
I.	Tinplate and Black Plate	806	874	877	900	1008	764	917	1109	1152	1108
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	16,698	16,452	16,797	18,100	19,153	14,775	16,643	16,622	16,946	16,654
	2. SPECIAL STEEL GRADES										
P.	Total All Products	1958	1713	1881	2135	2270	1911	2035	2611	2723	2944
	3. SUMMARY										
Q.	Total All Grades (O + P)	18,656	18,165	18,678	20,235	21,423	16,686	18,678	19,233	19,669	19,598

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 69

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

F. R. GERMANY

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	2008	1544	1612	1936	2187	1970	1880	1765	2282	
B.	Ingots and Semi-Finished Products for Sale	1019	824	731	1012	1139	943	904	821	858	
C.	Railway Track Material	490	442	399	518	569	631	483	419	433	
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	2543	2043	2214	2500	2542	2076	2139	2104	2291	
	2. Bars and Light Shapes	3769	2615	2663	3213	3515	2527	2168	1894	1907	
	3. Concrete Reinforcing Bars	1563	1646	1810	2194	2302	1807	1501	1239	1146	
	4. Total	7875	6304	6687	7907	8359	6410	5808	5237	5344	
E.	Wire Rods	2825	2684	2856	3536	3904	2567	2728	2552	2657	
F.	Hot Rolled Strip	2644	2328	2494	2833	2743	1769	2297	2052	2039	
G.	Plates	6077	5012	5358	6577	7942	6212	4983	4779	4378	
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	862	1064	1351	1609	1570	964	1141	1358	1531	
	2. Cold Rolled Sheets and Coils for Sale	4511	4096	4195	5088	5173	3602	4360	4756	4671	
	3. Electrical Sheets	349	310	329	401	437	328	384	357	422	
	4. Galvanized Sheets	868	1027	1281	1419	1337	1033	1456	1516	1551	
	5. Other Coated Sheets (other than Tinplate)										
	6. Total	6590	6497	7156	8517	8517	5927	7341	7987	8175	
I.	Tinplate and Black Plate	778	836	809	934	1068	881	993	961	953	
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	30,306	26,471	28,102	33,770	36,428	27,310	27,417	26,573	27,119	29,119
2. SPECIAL STEEL GRADES											
P.	Total All Products	4195	4175	4442	4884	5431	4840	4819	4948	4612	5119
3. SUMMARY											
Q.	Total All Grades (O + P)	34,501	30,646	32,544	38,654	41,859	32,150	32,236	31,521	31,731	34,238

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6h

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

ITALY

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	905	783	879	854	955	848	780	754	768	730
B.	Ingots and Semi-Finished Products for Sale	239	206	328	280	314	461	344	256	330	310
C.	Railway Track Material	146	171	187	177	162	181	235	232	208	230
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	541	565	649	674	631	580	595	630	840	686
	2. Bars and Light Shapes	1536	1550	1802	2243	2310	2217	2341	2773	3094	2676
	3. Concrete Reinforcing Bars	2566	2875	3408	3968	4593	4013	4754	4535	4708	5376
	4. Total	4643	4990	5859	6885	7534	6810	7690	7938	8642	3738
E.	Wire Rods	535	541	651	697	875	798	851	959	1207	1203
F.	Hot Rolled Strip	943	812	1005	1010	1084	619	746	704	703	717
G.	Plates	1983	2162	2218	2852	3579	3623	2706	2592	2633	2543
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	488	602	575	639	614	692	933	957	1056	1154
	2. Cold Rolled Sheets and Coils for Sale	1975	2177	2480	2704	2671	2160	2583	2427	2515	2368
	3. Electrical Sheets	156	165	184	187	195	147	196	187	208	208
	4. Galvanized Sheets	305	374	496	509	444	358	455	471	549	554
	5. Other Coated Sheets (other than Tinplate)	11	10	7	15	31	41	50	67	68	96
	6. Total	2935	3328	3742	4054	3955	3398	4217	4109	4396	4379
I.	Tinplate and Black Plate	331	306	333	366	449	311	381	370	405	414
J.	Wheels (Rolled and Forged) and Axles	(36)	(39)	(46)	(27)	(33)	(34)	(36)	(31)	(28)	(57)
K.	Steel Tubes and Fittings	(1946)	(1940)	(2166)	(2441)	(3008)	(3081)	(3478)	(3187)	(3409)	(3240)
L.	Drawn Wire	(690)	(600)	(700)	(794)	(770)	(828)	(1063)	(1043)	(937)	(939)
M.	Cold Rolled Strip	(568)	(536)	(573)	(550)	(580)	(410)	(547)	(521)	(563)	(553)
N.	Cold Drawn Bars	(405)	(346)	(352)	(441)	(455)	(326)	(400)	(407)	(500)	(566)
O.	Totals A - N	12,660	13,299	15,202	17,175	18,907	17,049	17,950	17,914	19,292	19,264
2. SPECIAL STEEL GRADES											
P.	Total All Products	1829	1971	2054	2121	2322	1891	3076	3095	3598	3529
3. SUMMARY											
Q.	Total All Grades (O + P)	14,489	15,270	17,256	19,296	21,229	18,940	21,026	21,009	22,890	22,793

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 61

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

JAPAN

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale										
C.	Railway Track Material	512	459	376	586	491	527	385	580	648	
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	5293	4673	6604	8677	6720	6240	6669	5849	6202	
	2. Bars and Light Shapes	12,229	12,250	14,311	17,127	15,972	13,389	14,857	14,335	15,470	
	3. Concrete Reinforcing Bars										
	4. Total	17,522	16,923	20,915	25,804	22,692	19,629	21,526	20,184	21,672	
E.	Wire Rods	4754	4666	4924	6004	6141	5204	5912	5396	5261	
F.	Hot Rolled Strip			Included in	H - 1						
G.	Plates	13,605	12,769	14,047	17,018	18,321	16,417	13,446	12,160	10,364	
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	8430	7552	9105	12,006	12,515	9953	10,454	10,367	10,464	
	2. Cold Rolled Sheets and Coils for Sale	8933	7810	9306	11,382	10,954	9486	12,541	12,479	11,771	
	3. Electrical Sheets	749	696	823	1076	1066	652	1040	1040	1136	
	4. Galvanized Sheets	3669	3618	4140	5106	5057	4146	5644	5699	5663	
	5. Other Coated Sheets (other than Tinplate)	Inc. in	H-2	533	714	726	602	768	902	972	
	6. Total	21,781	19,676	23,907	30,284	30,318	24,839	30,447	30,487	30,006	
I.	Tinplate and Black Plate	1418	1626	1739	1901	1992	1604	1772	1891	1782	
J.	Wheels (Rolled and Forged) and Axles	142	151	128	150	157	152	122	104	82	
K.	Steel Tubes and Fittings	7016	6575	7037	8704	8681	7853	7360	8012	8561	
L.	Drawn Wire										
M.	Cold Rolled Strip	147	196	222	252	245	142	193	Included in	H2	
N.	Cold Drawn Bars										
O.	Totals A - N	66,897	63,041	73,295	90,703	89,038	76,367	81,163	78,814	78,376	
2. SPECIAL STEEL GRADES											
P.	Total All Products	7694	7112	7516	9494	9689	7836	9754	10,264	11,651	
3. SUMMARY											
Q.	Total All Grades (O + P)	74,591	70,153	80,811	100,197	98,727	84,203	90,917	89,078	90,027	

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

Data for 1979 not yet available

TABLE 61
TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

LUXEMBURG

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	-	-	-	-	-	-	-	-	-	-
B.	Ingots and Semi-Finished Products for Sale	305	261	325	446	644	453	450	336	565	613
C.	Railway Track Material	88	118	62	99	135	177	176	176	160	195
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals					1080	797	789	904	943	904
	2. Bars and Light Shapes					703	492	403	400	453	444
	3. Concrete Reinforcing Bars					806	504	494	363	387	443
	4. Total	2120	1975	2038	2407	2589	1793	1686	1667	1783	1791
E.	Wire Rods	335	384	383	391	395	254	268	294	259	283
F.	Hot Rolled Strip	849	816	895	994	1009	637	655	654	583	571
G.	Plates	178	151	175	177	234	180	156	180	149	171
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale					258	178	200	213	220	217
	2. Cold Rolled Sheets and Coils for Sale										
	3. Electrical Sheets										
	4. Galvanized Sheets					50	47	49	59	50	56
	5. Other Coated Sheets (other than Tinplate)										
	6. Total	309	312	310	306	308	225	249	272	270	273
I.	Tinplate and Black Plate	-	-	-	-						
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	4184	4017	4188	4820	5314	3719	3640	3579	3769	3897
	2. SPECIAL STEEL GRADES										
P.	Total All Products	66	70	78	78	94	94	142	132	177	174
	3. SUMMARY										
Q.	Total All Grades (O + P)	4250	4087	4266	4898	5408	3813	3782	3711	3946	4071

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6k

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

NETHERLANDS

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale										
C.	Railway Track Material										
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals										
	2. Bars and Light Shapes	27	1	1							
	3. Concrete Reinforcing Bars	445	347	320	307	304	278	228	292	302	
	4. Total	472	348	321	307	304	278	228	292	302	
E.	Wire Rods	295	325	368	376	440	348	342	302	313	
F.	Hot Rolled Strip	160	180	214	225	205	129	182	171	222	
G.	Plates	605	572	623	672	658	521	477	433	447	
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	257	401	489	441	363	305	326	556	541	
	2. Cold Rolled Sheets and Coils for Sale	1040	1161	1501	1485	1422	1081	1258	1186	1360	
	3. Electrical Sheets										
	4. Galvanized Sheets	11	15	6	3						
	5. Other Coated Sheets (other than Tinplate)										
	6. Total	1308	1577	1996	1929	1785	1386	1584	1742	1901	
I.	Tinplate and Black Plate	472	470	444	463	480	382	452	464	466	
J.	Wheels (Rolled and Forged) and Axles										
K.	Steel Tubes and Fittings ⁽¹⁾										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	3312	3472	3966	3972	3872	3044	3265	3404	3651	
	2. SPECIAL STEEL GRADES										
P.	Total All Products				Included	above					
	3. SUMMARY										
Q.	Total All Grades (O + P)	3312	3472	3966	3972	3872	3044	3265	3404	3651	

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

Data for 1979 not yet available.

TABLE 6L

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

S P A I N

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes	196	207	260	193	176	235	193	171	111	157
B.	Ingots and Semi-Finished Products for Sale	6	43	8	51	50	47	74	34	25	30
C.	Railway Track Material	108	81	125	135	41	94	73	103	82	82
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	758	939	1106	1301	1200	1074	1083	1283	1362	1187
	2. Bars and Light Shapes	642	440	582	2148	1338	1306	1476	1422	1472	1622
	3. Concrete Reinforcing Bars	739	1009	1018		1126	1089	1276	1281	1403	1784
	4. Total	2140	2388	2707	3449	3664	3469	3835	3986	4237	4593
E.	Wire Rods	683	742	760	811	552	451	578	676	631	605
F.	Hot Rolled Strip	86	112	344	334	332	203	304	243	222	255
G.	Plates	594	599	663	1177	1473	1353	1173	1050	1006	929
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	331	590	684	620	455	567	1068	1104	1086	506
	2. Cold Rolled Sheets and Coils for Sale	479	591	906	971	1158	974	1045	1078	1129	1113
	3. Electrical Sheets	37	34	43	48	51	40	40	38	32	40
	4. Galvanized Sheets	53	79	98	131	227	174	261	257	331	279
	5. Other Coated Sheets (other than Tinplate)	-	-	-	-	9	6	15	16	24	26
	6. Total	899	1295	1730	1770	1900	1760	2429	2494	2602	1965
I.	Tinplate and Black Plate	133	137	152	223	230	214	237	298	286	337
J.	Wheels (Rolled and Forged) and Axles	23	26	27	23	28	21	18	19	22	19
K.	Steel Tubes and Fittings										
L.	Drawn Wire										
M.	Cold Rolled Strip										
N.	Cold Drawn Bars										
O.	Totals A - N	4950	5707	6775	8167	8446	7848	8914	9075	9225	9000
	2. SPECIAL STEEL GRADES										
P.	Total All Products				Included	above					
	3. SUMMARY										
Q.	Total All Grades (O + P)	4950	5707	6775	8167	8446	7848	8914	9075	9225	9000

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6m

TOTAL DELIVERIES OF STEEL PRODUCTS

(Thousand Metric Tons)

REPUBLIC OF SOUTH AFRICA

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes				35	41	42	31	24	40	36
B.	Ingots and Semi-Finished Products for Sale				108	132	117	235	538	152	164
C.	Railway Track Material				321	328	341	322	199	204	277
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals				361	415	447	497	562	710	740
	2. Bars and Light Shapes				603	561	606	590	509	568	672
	3. Concrete Reinforcing Bars				437	391	443	481	440	465	630
	4. Total				1401	1367	1496	1567	1511	1743	2042
E.	Wire Rods				202	189	178	366	502	569	627
F.	Hot Rolled Strip				183	217	188	44	35	43	41
G.	Plates				592	529	734	584	614	546	786
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale				383	406	515	618	753	968	1119
	2. Cold Rolled Sheets and Coils for Sale				282	262	301	420	486	542	629
	3. Electrical Sheets				-	-	-	-	-	-	-
	4. Galvanized Sheets				375	366	301	325	423	456	504
	5. Other Coated Sheets (other than Tinplate)										
	6. Total				1039	1033	1118	1363	1662	1965	2252
I.	Tinplate and Black Plate				217	221	200	306	240	235	287
J.	Wheels (Rolled and Forged) and Axles										-
K.	Steel Tubes and Fittings										-
L.	Drawn Wire				120	142	140	67	Inc.in	E	-
M.	Cold Rolled Strip				16	27	15	15	11	12	11
N.	Cold Drawn Bars										-
O.	Totals A - N				4231	4225	4569	4902	5337	5509	6524
2. SPECIAL STEEL GRADES											
P.	Total All Products				55	64	43	46	46	70	70
3. SUMMARY											
Q.	Total All Grades (O + P)				4286	4289	4612	4948	5383	5579	6594

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

Data not available prior to 1973.

TABLE 6n

TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

UNITED KINGDOM

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes		8	9	7					2	2
B.	Ingots and Semi-Finished Products for Sale	349	392	416	496	356	347	333	314	318	312
C.	Railway Track Material	257	308	244	244	275	324	234	252	240	275
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	2197	1797	1792	1996	1877	1510	1546	1579	1520	1653
	2. Bars and Light Shapes	1952	1988	1939	2321	2155	1963	1924	1753	1602	1620
	3. Concrete Reinforcing Bars	677	725	730	919	808	806	974	939	1041	1106
	4. Total	4826	4510	4461	5236	4840	4279	4444	4272	4163	4379
E.	Wire Rods	1961	1376	1378	1460	1290	1079	1147	1253	1485	1452
F.	Hot Rolled Strip	608	492	482	561	460	345	429	395	351	345
G.	Plates	3640	2778	2730	3003	2451	2070	2005	2036	2025	2282
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	492	610	715	399	199	154	197	198	202	223
	2. Cold Rolled Sheets and Coils for Sale	2600	2675	2609	2496	1808	1276	1619	1580	1533	1435
	3. Electrical Sheets	265	216	229	277	279	203	242	239	227	198
	4. Galvanized Sheets	452	469	500	552	458	250	382	347	403	716
	5. Other Coated Sheets (other than Tinplate)	232	216	271	351	321	176	249	251	281	149
	6. Total	4042	4186	4323	4074	3064	2059	2689	2614	2645	2722
I.	Tinplate and Black Plate	1298	1258	1204	1330	1195	992	1127	1166	1110	1152
J.	Wheels (Rolled and Forged) and Axles	63	69	58	57	61	75	61	47	46	48
K.	Steel Tubes and Fittings	1531	1507	1444	1551	1363	1292	1209	1133	1193	1200
L.	Drawn Wire										
M.	Cold Rolled Strip	548	476	484	568	538	350	443	433	422	405
N.	Cold Drawn Bars	571	444	447	652	618	443	471	478	449	423
O.	Totals A - N	19,695	17,802	17,681	19,239	16,510	13,654	14,590	14,391	14,449	14,999
2. SPECIAL STEEL GRADES											
P.	Total All Products	1285	1103	1095	1296	1274	1070	1081	1104	1107	1100
3. SUMMARY											
Q.	Total All Grades (O + P)	20,980	18,905	18,776	20,535	17,784	14,724	15,671	15,495	15,593	16,099

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

TABLE 6.9
TOTAL DELIVERIES OF STEEL PRODUCTS
(Thousand Metric Tons)

UNITED STATES

1. CARBON STEEL GRADES		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A.	Semi-Finished Material for Seamless Tubes										
B.	Ingots and Semi-Finished Products for Sale	4326	2302	1863	2290	2133	1323	1239	1059	1298	1391
C.	Railway Track Material	1069	1084	1141	1171	1250	1441	1555	1388	1194	1438
D.	Structurals and Bar Mill Products										
	1. Heavy Structurals	5044	4652	4640	5769	5831	4108	3335	3494	3945	4309
	2. Bars and Light Shapes	5705	5593	6401	7368	7453	5367	5763	6391	6685	6607
	3. Concrete Reinforcing Bars	4435	4098	4037	4649	4580	3319	3511	3785	4219	4745
	4. Total	15,185	14,343	15,078	17,786	17,864	12,794	12,609	13,669	14,849	15,661
E.	Wire Rods	1487	1396	1682	1781	1609	1131	1672	1576	2232	2491
F.	Hot Rolled Strip	1116	1234	1321	1582	1166	806	1016	900	829	772
G.	Plates	6201	6015	5688	7325	8203	6322	5086	5315	5929	6123
H.	Sheets										
	1. Hot Rolled Sheets and Coils for Sale	10,881	10,354	12,388	14,743	13,694	9775	13,117	12,371	12,703	13,044
	2. Cold Rolled Sheets and Coils for Sale	12,746	13,316	14,355	18,084	16,093	11,400	16,148	15,554	15,512	14,955
	3. Electrical Sheets	73	72	85	115	132	76	73	79	91	102
	4. Galvanized Sheets	4357	4543	5000	6244	5533	3373	4698	5129	5773	5670
	5. Other Coated Sheets (other than Tinplate)	500	563	627	859	905	504	766	837	897	877
	6. Total	28,556	28,899	32,455	40,045	36,358	25,129	34,802	33,969	34,975	34,648
I.	Tinplate and Black Plate	6571	6179	5566	6637	6829	5159	5839	5790	5490	5679
J.	Wheels (Rolled and Forged) and Axles	372	333	310	357	364	339	272	299	315	352
K.	Steel Tubes and Fittings	5938	5841	5617	7042	7507	6143	4611	5519	5892	5948
L.	Drawn Wire (1)	2689	2498	2625	2869	2809	1918	2187	2131	2211	2152
M.	Cold Rolled Strip	826	798	855	1057	1095	609	763	788	831	802
N.	Cold Drawn Bars	1093	1023	1254	1615	1671	1082	1214	1321	1522	1634
O.	Totals A - N	75,428	71,945	75,455	91,557	88,858	64,196	72,865	73,726	77,568	79,091
2. SPECIAL STEEL GRADES											
P.	Total All Products	6943	7014	7830	9531	10,454	8340	8280	8962	10,573	11,145
3. SUMMARY											
Q.	Total All Grades (O + P)	82,371	78,959	83,285	101,088	99,312	72,536	81,144	82,688	88,141	90,236

Note: Due to lack of international comparability it is not valid to compare these product statistics with those of other countries. For further details see the definitions and explanatory notes on page 46.

(1) includes wire products.

TABLE 7
WORLD STEEL TRADE AS PROPORTION OF
WORLD STEEL PRODUCTION, 1950 TO 1979
million metric tons crude steel equivalent

	Exports	World steel production	Export per cent
1950	20.5	192.0	10.7
1951	20.3	208.8	9.7
1952	24.3	211.6	11.5
1953	24.1	233.3	10.3
1954	26.4	222.8	11.8
1955	34.0	270.5	12.6
1956	35.8	284.3	12.6
1957	40.0	293.5	13.6
1958	38.0	274.5	13.8
1959	42.1	306.3	13.7
1960	52.7	345.5	15.3
1961	52.3	354.3	14.8
1962	56.0	358.7	15.6
1963	60.0	384.7	15.6
1964	69.3	434.2	16.0
1965	78.5	457.0	17.2
1966	78.4	472.7	16.6
1967	85.6	497.2	17.2
1968	99.0	529.8	18.7
1969	109.2	574.6	19.0
1970	117.5	595.4	19.7
1971	125.5	582.6	21.5
1972	133.1	630.3	21.1
1973	147.4	698.4	21.1
1974	169.5	709.0	23.9
1975	147.7	645.4	22.9
1976	163.5	676.4	24.2
1977	165.9	675.4	24.6
1978	177.5	717.1	24.7
1979	181.2	747.8	24.2

TABLE 8

WORLD STEEL EXPORTS - TOTALS BY COUNTRY OF ORIGIN, 1969 - 1979

(Thousand metric tons of products)

REGION OR COUNTRY	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
WESTERN EUROPE											
Belgium/Luxemburg	12,833	12,787	12,406	14,428	15,982	16,615	12,620	12,712	12,189	13,422	14,432
Denmark	237	252	252	262	266	310	284	332	470	547	671
F.R. of Germany	12,633	11,935	13,076	13,770	17,126	22,159	16,196	14,990	15,379	18,363	19,221
France	6,708	7,522	7,861	8,390	8,590	10,287	8,559	8,547	10,135	10,921	11,073
Ireland	18	17	15	45	68	68	33	33	31	58	26
Italy	1,894	1,767	3,145	3,800	3,488	4,785	6,301	6,051	6,740	8,271	6,895
Netherlands	3,190	3,110	3,780	4,441	4,803	5,232	4,007	4,423	4,102	4,582	4,957
United Kingdom	3,850	4,002	4,841	4,575	4,176	3,298	3,170	3,672	4,399	4,376	4,551
Total EEC	41,363	41,392	45,376	49,714	54,499	62,754	51,170	50,760	53,445	60,540	61,826
Austria	1,515	1,355	1,410	1,470	1,429	1,715	1,965	2,029	2,019	2,182	2,506
Finland	246	397	402	550	528	764	547	539	959	1,187	1,165
Greece	185	179	126	178	311	440	334	354	224	461	482
Norway	476	471	505	554	630	590	587	628	484	591	744
Portugal	61	41	35	36	34	23	26	71	28	33	E 33
Spain	167	267	918	1,425	1,712	806	1,569	2,443	2,678	4,106	4,234
Sweden	1,431	1,457	1,440	1,646	1,930	2,029	1,680	1,682	1,887	2,228	2,360
Switzerland	112	103	106	134	136	233	242	183	214	472	594
Turkey			3	12	E 20	28	15	24	10	20	-
Yugoslavia	271	303	239	328	737	660	334	472	285	336	E 335
Total	45,827	45,965	50,560	56,044	61,966	70,042	58,496	59,185	62,233	72,138	74,279
EASTERN EUROPE & USSR											
Bulgaria	592	654	826	1,105	889	810	793	1,114	1,049	1,079	922
Czechoslovakia	1,774	2,643	2,792	3,075	2,927	3,074	3,252	3,400	3,450	3,596	3,527
German Democratic Rep.	341	396	690	1,325	1,513	1,855	1,539	1,512	1,678	1,605	1,847
Hungary	874	918	958	1,113	1,152	914	1,060	1,255	1,295	1,139	1,417
Poland	1,443	1,498	1,492	1,479	1,402	1,470	1,485	1,579	1,794	1,923	1,989
Romania	943	1,371	1,502	1,197	1,388	1,308	1,477	2,100	1,640	2,239	1,946
U S S R	6,970	7,528	7,422	7,310	7,013	6,856	7,825	7,503	E 8,000	E 6,200	E 5,800
Total	12,937	15,008	15,682	16,604	16,284	16,287	17,431	18,463	18,906	17,781	17,448
NORTH AMERICA											
Canada	1,007	1,555	1,502	1,483	1,537	1,771	1,299	1,816	2,142	2,763	2,680
United States	4,834	6,518	2,636	2,681	3,749	5,387	2,825	2,517	1,906	2,300	2,650
Total	5,841	8,073	4,138	4,164	5,286	7,158	4,124	4,333	4,048	5,063	5,330
LATIN AMERICA											
Argentina	201	253	296	364	625	363	41	337	265	616	539
Brazil	326	583	261	332	431	228	149	262	364	936	1,484
Chile	6	12	62	5	-	1	89	70	59	E 70	76
Mexico	204	208	357	412	141	119	67	145	240	384	268
Venezuela	231	184	87	158	228	58	2	1	41	72	126
Others	-	4	4	5	32	44	26	40	64	E 90	E 110
Total	968	1,244	1,067	1,376	1,457	813	374	855	1,033	2,168	2,603
AFRICA & MIDDLE EAST											
South Africa	439	393	281	519	632	612	324	1,098	2,108	2,226	2,137
Total	439	393	281	519	632	612	324	1,098	2,108	2,226	2,137
EAST ASIA											
Hong Kong		63	22	40	127	94	27	13	-	56	E 50
India	853	686	335	201	141	186	739	1,509	1,312	500	60
Japan	15,540	17,562	23,158	20,919	24,808	32,221	28,926	36,009	33,400	30,856	30,659
Malaysia	32	32	47	78	61	70	14	13	48	E 20	E 20
Philippines	50	99	67	4	2	1	2	18	17	E 53	E 20
Republic of Korea	8	80	122	428	808	1,185	931	1,354	1,246	1,631	3,188
Singapore	73	67	109	75	153	218	185	213	390	497	319
Taiwan (ROC)	174	345	346	551	255	197	249	283	314	894	1,520
Thailand	8	9	10	23	21	16	10	13	9	29	E 25
Total	16,738	18,943	24,216	22,319	26,376	34,188	30,683	39,425	36,736	34,536	35,861
OCEANIA											
Australia	1,228	753	538	1,278	1,314	1,277	2,142	2,361	2,483	2,571	1,710
New Zealand		17	25	46	45	39	E 40	E 45	E 45	E 45	E 45
Total	1,228	770	563	1,324	1,359	1,316	2,182	2,406	2,528	2,616	1,755
TOTAL (Countries Listed)	83,978	90,396	96,507	102,350	113,360	130,416	113,587	125,765	127,592	136,528	139,413

TABLE 9

WORLD STEEL IMPORTS - TOTALS BY IMPORTING COUNTRIES, 1970 - 1979
(Thousand Metric Tons of Products)

REGION OR COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
WESTERN EUROPE										
Belgium/Luxemburg	2,275	2,228	2,501	2,925	3,226	2,509	3,347	3,164	3,046	3,06
Denmark	1,541	1,369	1,555	1,667	1,644	1,220	1,487	1,421	1,264	1,37
F.R. of Germany	9,016	9,683	11,233	10,645	8,720	8,874	11,022	11,064	11,903	12,43
France	7,423	6,714	8,168	8,718	8,560	6,689	8,844	8,150	8,421	8,94
Ireland	272	273	342	316	394	243	343	355	408	51
Italy	5,041	4,009	4,668	5,003	4,812	3,365	5,196	5,193	4,412	6,75
Netherlands	3,489	3,707	3,858	4,476	4,858	3,702	3,954	3,567	3,737	3,60
United Kingdom	2,267	2,055	2,684	2,812	3,850	3,774	4,135	3,768	3,742	3,85
Total E E C	31,324	30,038	35,009	36,562	36,064	30,376	38,328	36,682	36,933	40,58
Austria	470	457	478	676	681	498	661	821	990	79
Finland	910	689	737	768	884	710	652	447	426	49
Greece	536	582	690	905	1,003	666	715	734	946	94
Norway	1,223	1,107	1,158	1,326	1,705	1,397	1,260	1,414	1,079	1,03
Portugal	439	394	467	570	779	497	589	768	761	E 57
Spain	1,795	891	1,175	1,080	1,197	1,342	2,704	1,096	764	E 1,07
Sweden	1,764	1,605	1,904	2,128	2,280	2,242	2,282	1,730	1,787	2,01
Switzerland	2,013	1,824	2,114	2,061	1,779	1,062	1,334	1,534	1,533	1,733
Turkey	247	711	505	832	1,484	1,661	1,479	2,189	1,099	E 900
Yugoslavia	1,202	1,575	1,352	1,446	1,763	2,291	1,579	1,961	1,989	E 2,150
Others	125	130	147	166	128	58	102	146	149	194
Total	42,048	40,003	45,736	48,520	49,747	42,800	51,685	49,522	48,456	52,494
EASTERN EUROPE & USSR										
Albania	54	66	64	89	96	88	86	E 90	E 95	E 100
Bulgaria	1,176	1,073	1,000	718	688	739	849	964	1,131	1,160
Czechoslovakia	572	743	680	553	545	570	894	521	657	624
Dem. Rep. of Germany	3,494	3,268	3,666	3,752	4,090	4,015	4,086	4,170	4,219	4,253
Hungary	907	1,024	1,118	1,100	1,152	1,161	1,390	1,326	1,312	1,255
Poland	1,487	1,351	1,875	2,783	3,709	3,806	3,715	2,414	2,124	1,958
Romania	1,365	1,456	1,396	1,493	1,511	1,853	1,985	1,563	2,133	1,677
U S S R	2,933	3,200	3,840	4,900	7,300	6,832	7,776	E 7,750	E 7,750	E 8,200
Total	11,988	12,181	13,639	15,388	19,091	19,064	20,781	18,798	19,421	19,227
NORTH AMERICA										
Canada	1,455	2,125	2,275	1,903	2,883	1,403	1,308	1,454	1,637	2,187
United States	11,845	16,305	15,662	13,403	14,154	10,767	12,642	17,163	18,755	15,891
Total	13,300	18,430	17,937	15,306	17,037	12,170	13,950	18,617	20,392	18,078
OTHER AMERICA										
Argentina	753	1,599	1,581	1,929	1,495	1,771	1,035	1,044	E 507	E 585
Brazil	579	1,164	1,054	1,823	4,197	2,889	1,059	927	733	620
Chile	91	78	119	72	160	54	50	29	50	32
Colombia	262	363	244	223	294	233	258	273	E 250	E 275
Cuba	220	210	278	380	508	577	533	500	E 450	E 450
Mexico	188	156	193	335	692	696	470	489	1,313	1,313
Peru	174	206	237	184	214	290	118	121	E 90	E 80
Venezuela	543	575	645	838	1,174	1,311	1,579	2,514	E 1,671	E 1,147
Others	545	774	739	875	984	825	919	1,199	2,436	1,948
Total	3,355	5,125	5,090	6,659	9,718	8,646	6,021	7,096	7,500	6,450

WORLD STEEL IMPORTS - TOTALS BY IMPORTING COUNTRIES, 1970 - 1979 (continued)

(Thousand Metric Tons of Products)

REGION OR COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
AFRICA										
Algeria	170	496	514	611	117	903	659	1,230	1,444	1,150
Kenya	124	155	135	149	167	90	167	175	208	E 200
Morocco	246	223	218	298	334	373	542	624	481	537
Nigeria	469	392	419	515	650	1,030	988	1,330	1,024	750
South Africa	383	908	252	554	1,131	1,007	261	121	138	154
Tanzania (United Rep. of)	61	55	55	73	89	52	80	71	100	100
Tunisia	54	85	149	97	111	121	144	221	185	330
Zaire	131	122	104	108	151	75	41	60	39	46
Zambia	45	125	77	98	172	49	32	42	24	25
Others	1,292	718	682	857	874	593	766	1,063	797	778
Total	2,975	3,279	2,605	3,360	4,796	4,293	3,680	4,937	4,440	4,070
MIDDLE EAST										
Egypt	165	243	346	283	492	842	645	480	459	610
Iran	947	1,558	1,306	1,924	2,269	3,993	3,752	3,265	4,564	1,320
Iraq	339	320	349	471	1,425	1,485	807	420	855	2,100
Israel	582	399	487	608	791	482	429	452	399	395
Kuwait	105	166	133	142	327	252	906	511	339	389
Lebanon	228	217	340	412	416	234	69	183	289	330
Libyan Arab Republic	193	228	331	531	615	593	601	407	409	570
Saudi Arabia	172	305	403	585	728	1,005	1,504	1,618	1,907	2,870
Syrian Arab Republic	206	160	231	174	423	356	690	479	306	630
Others	313	151	519	484	594	712	1,419	1,059	744	1,150
Total	3,250	3,747	4,445	5,614	8,080	9,954	10,822	8,874	10,271	10,364
ASIA										
China	2,282	3,037	2,270	3,652	3,584	3,902	4,518	4,849	8,843	E 7,600
Hong Kong	481	498	567	596	558	491	778	1,024	1,410	E 1,375
India	598	1,217	1,269	1,017	1,233	723	555	575	1,078	1,540
Indonesia	388	463	769	1,093	1,068	963	1,133	1,165	1,339	1,302
Japan	117	51	103	213	231	108	159	222	361	1,468
Republic of Korea	600	791	1,136	2,115	2,192	1,677	1,700	2,515	3,530	2,678
Korea D.P.R.	37	9	27	112	179	35	22	13	25	25
Malaysia	366	398	473	718	859	528	602	568	E 700	E 750
Pakistan	522	507	280	277	335	405	368	531	451	580
Philippines	869	457	883	626	874	596	815	1,012	992	900
Singapore	619	733	763	982	1,334	1,209	1,012	1,020	1,241	1,330
Taiwan (ROC)	645	796	880	1,133	1,695	938	1,352	1,653	1,906	2,063
Thailand	543	475	604	690	675	573	891	1,059	1,212	1,200
Others	519	265	100	155	100	297	478	545	645	650
Total	8,586	9,697	10,024	13,379	14,917	12,445	14,193	16,751	23,733	23,461
OCEANIA										
Australia	490	1,522	2,122	755	1,484	925	1,400	1,079	553	500
New Zealand	545	359	422	570	822	541	548	564	457	550
Total	1,035	1,881	2,544	1,325	2,306	1,466	1,948	1,643	1,010	1,050
Total Listed Countries	86,537	94,343	102,020	109,551	125,692	110,838	123,080	126,238	135,223	135,194
Unallocated	3,859	2,164	330	3,809	4,724	2,749	2,685	1,354	1,305	4,219
Total Imports	90,396	96,507	102,350	113,360	130,416	113,587	125,765	127,592	136,528	139,413

TABLE 10

WORLD STEEL EXPORTS BY REGION OF ORIGIN

(thousand metric tons of products)

Year	EEC (9)		Other Western Europe	Eastern Europe & USSR		North America	Japan	Other	TOTAL Exports	
	Intra EEC (9)	To third countries		Intra COMECON	To third countries				Including intra regional trade	Excluding intra regional trade
1950	2,697	8,400	296	494	643	2,791	546	77	15,944	12,753
1951	2,800	10,100	353	470	974	3,018	944	75	18,734	15,464
1952	3,277	8,009	399	924	782	3,751	1,574	83	18,799	14,598
1953	3,895	7,889	581	909	950	3,018	800	202	18,344	13,540
1954	4,744	8,723	701	1,050	1,048	2,580	1,109	294	20,249	14,455
1955	6,334	10,116	843	1,241	1,631	4,095	1,771	192	26,223	18,648
1956	6,117	11,688	1,267	1,500	1,923	3,111	1,184	132	26,922	19,305
1957	6,324	13,199	1,643	2,100	1,481	4,108	883	560	30,298	20,874
1958	6,134	13,281	1,517	2,300	1,794	2,910	1,548	464	29,948	21,514
1959	8,124	15,055	1,705	2,800	1,929	1,952	1,499	687	33,751	22,827
1960	11,110	15,277	2,515	3,200	2,219	3,507	2,242	825	40,895	26,585
1961	11,140	15,068	2,398	3,700	2,572	2,581	2,276	669	40,404	25,564
1962	11,930	13,582	2,500	4,800	2,621	2,592	3,871	1,180	43,076	26,346
1963	13,300	12,932	2,601	5,000	2,945	2,986	5,333	978	46,075	27,775
1964	15,660	14,183	2,870	5,600	3,352	4,186	6,539	1,096	53,486	32,226
1965	14,450	19,649	2,770	6,600	3,241	3,109	9,746	1,345	60,910	39,860
1966	15,990	17,007	3,008	5,900	4,706	2,421	9,550	1,723	60,305	38,415
1967	17,332	19,265	3,418	6,500	5,040	2,447	8,784	3,069	65,855	42,023
1968	19,479	21,065	3,948	6,700	5,562	3,324	12,774	3,292	76,144	49,965
1969	22,303	19,060	4,464	8,100	4,837	5,841	15,540	3,833	83,978	53,575
1970	22,443	18,949	4,573	8,400	6,608	8,073	17,562	3,788	90,396	59,553
1971	22,947	22,429	5,184	8,500	7,182	4,138	23,158	2,969	96,507	65,060
1972	26,213	23,501	6,333	8,600	8,004	4,164	20,919	4,616	102,350	67,537
1973	28,003	26,496	7,467	9,000	7,284	5,288	24,808	5,020	113,360	76,357
1974	29,723	33,031	7,288	10,300	5,887	7,158	32,221	4,708	130,416	90,393
1975	23,432	27,738	7,326	10,490	6,941	4,124	28,926	4,610	113,587	79,665
1976	27,538	23,248	9,425	9,916	8,547	4,333	36,009	7,749	125,765	88,311
1977	25,549	27,900	9,788	11,431	8,475	4,048	33,400	9,001	127,592	90,612
1978	26,972	33,866	11,898	10,650	8,131	5,063	30,856	10,392	136,528	98,906
1979	29,877	31,949	12,453	9,852	7,596	5,330	30,659	11,697	139,413	99,684

TABLE 11

WORLD STEEL EXPORTS BY REGION OF ORIGIN

percentages

A. Gross Trade, including intra EEC(9) and intra COMECON exchanges

Year	EEC(9)	Other Western Europe	Eastern Europe & USSR	North America	Japan	Other	Total
1950	69.6	1.9	7.1	17.5	3.4	0.5	100.0
1951	68.9	1.9	7.7	16.1	5.0	0.4	100.0
1952	60.0	2.1	9.1	20.1	8.4	0.4	100.0
1953	64.8	3.2	10.1	16.5	4.4	1.1	100.0
1954	66.5	3.5	10.4	12.8	5.5	1.5	100.0
1955	62.7	3.2	10.9	15.6	6.8	0.7	100.0
1956	66.1	4.7	12.7	11.6	4.4	0.5	100.0
1957	64.4	5.4	11.8	13.6	2.9	1.8	100.0
1958	64.8	5.1	13.7	9.7	5.2	1.5	100.0
1959	68.7	5.1	14.0	5.8	4.4	2.0	100.0
1960	64.5	6.2	13.2	8.6	5.5	2.0	100.0
1961	64.9	5.9	15.5	6.4	5.6	1.7	100.0
1962	59.2	5.8	17.2	6.0	9.0	2.7	100.0
1963	57.0	5.6	17.2	6.5	11.6	2.1	100.0
1964	55.8	5.4	16.7	7.8	12.2	2.1	100.0
1965	56.0	4.5	16.2	5.1	16.0	2.2	100.0
1966	54.7	5.0	17.6	4.0	15.8	2.9	100.0
1967	55.6	5.2	17.5	3.7	13.3	4.7	100.0
1968	53.2	5.2	16.1	4.4	16.8	4.3	100.0
1969	49.9	5.3	15.4	7.0	18.5	4.5	100.0
1970	45.8	5.1	16.6	8.9	19.4	4.2	100.0
1971	47.0	5.4	16.2	4.3	24.0	3.1	100.0
1972	48.6	6.2	16.2	4.1	20.4	4.5	100.0
1973	48.1	6.6	14.4	4.7	21.9	4.4	100.0
1974	48.1	5.6	12.5	5.5	24.7	3.6	100.0
1975	45.0	6.4	15.3	3.6	25.5	4.1	100.0
1976	40.4	6.7	14.7	3.4	28.6	6.2	100.0
1977	41.9	6.9	14.8	3.2	26.2	7.1	100.0
1978	44.6	8.5	13.0	3.7	22.6	7.6	100.0
1979	44.3	8.9	12.5	3.8	22.0	8.4	100.0

B. Net Trade, excluding intra EEC (9) and intra COMECON exchanges

Year	EEC (9)	Other Western Europe	Eastern Europe & USSR	North America	Japan	Other	Total
1950	65.9	2.3	5.0	21.9	4.3	0.6	100.0
1951	65.3	2.3	6.3	19.5	6.1	0.5	100.0
1952	54.9	2.7	5.4	25.7	10.8	0.6	100.0
1953	59.0	4.3	7.0	22.3	5.9	1.5	100.0
1954	60.4	4.8	7.3	17.9	7.7	2.0	100.0
1955	54.3	4.5	8.7	22.0	9.5	1.0	100.0
1956	60.5	6.6	10.0	16.1	6.1	0.7	100.0
1957	60.3	7.5	6.8	18.8	4.0	2.6	100.0
1958	61.7	7.1	8.3	13.5	7.2	2.2	100.0
1959	66.0	7.5	8.4	8.5	6.6	3.0	100.0
1960	57.5	9.5	8.3	13.2	8.4	3.1	100.0
1961	58.9	9.4	10.1	10.1	8.9	2.6	100.0
1962	51.6	9.5	9.9	9.8	14.7	4.5	100.0
1963	46.6	9.4	10.6	10.7	19.2	3.5	100.0
1964	44.0	8.9	10.4	13.0	20.3	3.4	100.0
1965	49.3	7.0	8.1	7.8	24.4	3.4	100.0
1966	44.3	7.8	12.2	6.3	24.9	4.5	100.0
1967	45.8	8.1	12.0	5.8	20.9	7.3	100.0
1968	42.2	7.9	11.1	6.6	25.6	6.6	100.0
1969	35.6	8.3	9.0	10.9	29.0	7.2	100.0
1970	31.8	7.7	11.1	13.6	29.5	6.4	100.0
1971	34.5	8.0	11.0	6.4	35.6	4.6	100.0
1972	34.8	9.4	11.9	6.2	31.0	6.8	100.0
1973	34.7	8.8	9.5	6.9	32.5	6.6	100.0
1974	36.5	8.1	6.6	7.9	35.6	5.2	100.0
1975	34.8	9.2	8.7	5.2	36.3	5.8	100.0
1976	26.3	9.5	9.7	4.9	40.8	8.8	100.0
1977	30.8	9.7	8.2	4.5	36.9	9.9	100.0
1978	34.2	11.7	7.2	5.1	31.2	10.5	100.0
1979	32.1	12.5	7.6	5.3	30.8	11.7	100.0

WORLD STEEL IMPORTS BY IMPORTING REGION

(Thousand metric tons of products)

Year	EEC (9)		Other Western Europe	Eastern Europe & USSR		USA	Latin America	Africa and Middle East	Asia	Other (1)	TOTAL	
	Intra EEC (9)	From third countries		Intra COMECON	From third countries						Including Intra regional trade	Excluding Intra regional trade
1950	2,697	366	2,301	494	270	1,115	2,143	2,202	1,865	2,491	15,994	12,753
1951	2,800	210	2,730	470	527	2,043	2,856	2,256	1,892	2,950	18,734	15,464
1952	3,277	1,202	2,901	924	349	1,110	2,001	2,218	1,866	2,843	18,799	14,598
1953	3,895	902	2,414	909	793	1,488	2,138	2,042	2,263	1,500	18,344	13,540
1954	4,744	691	2,972	1,050	504	681	3,127	2,213	2,228	2,039	20,249	14,455
1955	6,334	1,888	3,546	1,241	446	768	3,321	2,745	3,133	2,801	26,223	18,648
1956	6,117	1,757	3,512	1,500	1,261	1,174	3,039	2,586	3,930	2,046	26,922	19,305
1957	6,324	1,594	3,895	2,100	1,495	908	4,109	2,864	4,796	1,213	30,298	20,874
1958	6,134	1,394	3,193	2,300	1,794	1,265	3,597	3,105	4,519	2,647	29,948	21,514
1959	8,124	1,448	3,957	2,800	2,078	3,566	3,429	2,640	3,478	2,231	33,751	22,827
1960	11,110	2,527	4,953	3,200	3,015	2,738	3,031	3,392	4,175	2,754	40,895	26,585
1961	11,140	1,921	5,274	3,700	3,041	2,554	3,433	3,471	4,340	1,530	40,404	25,564
1962	11,930	2,942	5,693	4,800	2,751	3,367	2,565	3,396	4,091	1,541	43,076	26,346
1963	13,300	3,925	5,932	5,000	1,994	4,547	2,230	3,444	4,266	1,437	46,075	27,775
1964	15,660	3,424	6,975	5,600	1,821	5,484	2,717	3,952	4,735	3,118	53,486	32,226
1965	14,450	2,457	7,589	6,600	1,474	9,039	3,145	4,950	5,173	6,033	60,910	39,860
1966	15,990	3,089	8,395	5,900	2,495	9,419	2,342	4,196	5,279	3,200	60,305	38,415
1967	17,332	3,855	7,773	6,500	2,025	10,131	2,482	4,686	6,622	4,449	65,855	42,023
1968	19,479	4,677	7,513	6,700	2,598	15,944	2,337	5,613	6,760	4,523	76,144	49,965
1969	22,303	6,901	9,518	8,100	3,053	12,394	3,193	5,748	7,655	5,113	83,978	53,575
1970	22,443	8,881	10,724	8,400	3,588	11,845	3,355	6,225	8,586	6,349	90,396	59,553
1971	22,947	7,091	9,965	8,500	3,681	16,305	5,125	7,026	9,697	6,170	96,507	65,060
1972	26,213	8,796	10,727	8,600	5,039	15,662	5,090	7,050	10,024	5,149	102,350	67,537
1973	28,003	8,559	11,958	9,000	6,388	13,403	6,659	8,974	13,379	7,037	113,360	76,357
1974	29,723	6,341	13,683	10,300	8,791	14,154	9,718	12,876	14,917	9,913	130,416	90,393
1975	23,432	6,944	12,424	10,490	8,574	10,767	8,646	14,247	12,445	5,618	113,587	79,665
1976	27,538	10,790	13,357	E 9,916	10,865	12,642	6,021	14,502	14,193	5,941	125,765	88,311
1977	25,549	11,133	12,840	E 11,431	7,367	17,163	7,096	13,811	16,751	4,451	127,592	90,612
1978	26,972	9,961	11,523	E 10,650	E 8,771	18,755	7,500	14,711	23,733	3,952	136,528	98,906
1979	29,877	10,708	11,909	E 9,852	E 9,375	15,891	6,450	14,434	23,461	7,456	139,413	99,684

(1) Canada, Oceania, unallocated - see Table 10 for details.

TABLE 13

WORLD STEEL IMPORTS BY IMPORTING REGION

percentages

A. Gross Trade, including intra EEC (9) and intra COMECON exchanges

Year	EEC (9)	Other Western Europe	Eastern Europe & USSR	United States	Latin America	Africa and Middle East	Asia	Other and Unallocated
1950	19.2	14.4	4.8	7.0	13.4	13.8	11.7	15.6
1951	16.1	14.6	5.3	10.9	15.2	12.0	10.1	15.7
1952	23.8	15.4	6.8	5.9	10.6	11.8	9.9	15.7
1953	26.2	13.2	9.3	8.1	11.7	11.1	12.3	8.2
1954	26.8	14.7	7.7	3.4	15.4	10.9	11.0	10.1
1955	31.4	13.5	6.4	2.9	12.7	10.5	11.9	10.7
1956	29.2	13.0	10.3	4.4	11.3	9.6	14.6	7.6
1957	26.1	12.9	11.9	3.0	13.6	9.5	15.8	4.0
1958	25.1	10.7	13.7	4.2	12.0	10.4	15.1	8.8
1959	28.4	11.7	14.5	10.6	10.2	7.8	10.3	6.6
1960	33.3	12.1	15.2	6.7	7.4	8.3	10.2	6.7
1961	32.3	13.1	16.7	6.3	8.5	8.6	10.7	3.8
1962	34.5	13.2	17.5	7.8	6.0	7.9	9.5	3.6
1963	37.4	12.9	15.2	9.9	4.8	7.5	9.3	3.1
1964	35.6	13.0	13.9	10.3	5.1	7.4	8.7	5.8
1965	27.8	12.5	13.3	14.8	5.2	8.1	8.5	9.9
1966	31.6	13.9	13.9	15.6	3.9	7.0	8.8	5.3
1967	32.2	11.8	12.9	15.4	3.8	7.1	10.1	6.8
1968	31.7	9.9	12.2	20.9	3.1	7.4	8.9	5.9
1969	34.8	11.3	13.3	14.8	3.8	6.8	9.1	6.1
1970	34.7	11.9	13.3	13.1	3.7	6.9	9.5	7.0
1971	31.1	10.3	12.6	16.9	5.3	7.3	10.0	6.4
1972	34.2	10.5	13.3	15.3	5.0	6.9	9.8	5.0
1973	32.3	10.5	13.6	11.8	5.9	7.9	11.8	6.2
1974	27.7	10.5	14.6	10.9	7.4	9.9	11.4	7.6
1975	26.7	10.9	16.8	9.5	7.6	12.5	11.0	4.9
1976	30.5	10.6	16.5	10.1	4.8	11.5	11.3	4.7
1977	28.7	10.1	14.7	13.5	5.6	10.8	13.1	3.5
1978	27.1	8.4	14.2	13.7	5.5	10.8	17.4	2.9
1979	29.1	8.5	13.8	11.4	4.6	10.4	16.8	5.3

B. Net Trade, excluding intra EEC (9) and intra COMECON exchanges

Year	EEC (9)	Other Western Europe	Eastern Europe & USSR	United States	Latin America	Africa and Middle East	Asia	Other and Unallocated
1950	2.9	18.0	2.1	8.7	16.8	17.3	14.6	19.5
1951	1.4	17.7	3.4	13.2	18.5	14.6	12.2	19.1
1952	8.2	19.9	2.4	7.7	13.7	15.2	12.8	20.2
1953	6.7	17.8	5.9	11.0	15.8	15.1	16.7	11.1
1954	4.8	20.6	3.5	4.7	21.6	15.3	15.4	14.1
1955	10.1	19.0	2.4	4.1	17.8	14.7	16.8	15.0
1956	9.1	18.2	6.5	6.1	15.7	13.4	20.4	10.6
1957	7.6	18.7	7.2	4.3	19.7	13.7	23.0	5.8
1958	6.5	14.8	8.3	5.9	16.7	14.4	21.0	12.3
1959	6.3	17.3	9.1	15.6	15.0	11.6	15.2	9.8
1960	9.5	18.6	11.3	10.3	11.4	12.8	15.7	10.4
1961	7.5	20.6	11.9	10.0	13.4	13.6	17.0	6.0
1962	11.2	21.6	10.4	12.8	9.7	12.9	15.5	5.8
1963	14.1	21.4	7.2	16.4	8.0	12.4	15.4	5.2
1964	10.6	21.6	5.7	17.0	8.4	12.3	14.7	9.7
1965	6.2	19.0	3.7	22.7	7.9	12.4	13.0	15.1
1966	8.0	21.9	6.5	24.5	6.1	10.9	13.7	8.3
1967	9.2	18.5	4.8	24.1	5.9	11.2	15.8	10.6
1968	9.4	15.0	5.2	31.9	4.7	11.2	13.5	9.1
1969	12.9	17.8	5.7	23.1	6.0	10.7	14.3	9.5
1970	14.9	18.0	6.0	19.9	5.6	10.5	14.4	10.7
1971	10.9	15.3	5.7	25.1	7.9	10.8	14.9	9.5
1972	13.0	15.9	7.5	23.2	7.5	10.5	14.9	7.6
1973	11.2	15.7	8.4	17.6	8.7	11.8	17.5	9.2
1974	7.0	15.1	9.7	15.7	10.7	14.2	16.5	11.0
1975	8.7	15.6	10.8	13.5	10.9	17.9	15.6	7.1
1976	12.2	15.1	12.3	14.3	6.8	16.4	16.1	6.7
1977	12.3	14.2	8.1	18.9	7.8	15.2	18.5	4.9
1978	10.1	11.7	8.9	19.0	7.6	14.9	24.0	4.0
1979	10.7	11.9	9.4	15.9	6.5	14.5	23.5	7.5

TABLE 14
WORLD STEEL EXPORTS - ANALYSIS BY PRODUCTS 1970 - 1979
(Thousand metric tons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Ingots and semi-finished products	6,651	5,470	4,696	5,631	6,297	8,478	6,795	5,441	5,333	5,604
Railway Track Material	668	761	663	739	995	1,332	1,188	958	951	1,038
Bars and rods, hot-rolled	6,636	7,005	7,071	8,199	12,180	9,117	10,785	9,801	10,504	12,502
Angles, shapes and sections	6,592	7,201	7,877	8,533	10,984	9,006	10,052	9,910	10,425	9,831
Wire Rods	3,749	4,409	4,613	5,117	6,123	4,845	5,654	5,812	6,394	6,281
Hot Rolled Strip	1,861	1,594	1,994	2,123	2,247	1,383	1,915	1,883	1,882	1,879
Plates	} 27,738 {	9,965	10,633	10,928	13,004	11,014	10,306	10,054	10,075	9,395
Hot rolled sheets & coils		9,576	10,015	11,588	13,871	10,015	11,630	13,049	14,999	15,211
Cold rolled sheets & coils		11,804	12,790	14,423	16,080	12,138	14,992	16,564	17,074	16,453
Galvanized sheets	2,426	2,884	3,242	3,377	3,377	2,657	3,821	3,821	4,508	4,573
Other coated sheets (other than tinplate)	454	464	594	703	754	619	996	860	946	1,334
Tinplate & Black Plate	2,602	2,735	2,830	3,100	3,382	2,839	2,982	3,706	3,203	3,147
Wheels (rolled & forged) and axles	236	249	217	220	287	292	226	186	157	205
Steel tubes and fittings	7,724	8,540	8,605	10,034	12,848	13,716	13,530	12,840	15,789	15,482
Drawn Wire	1,638	1,613	1,595	1,728	2,133	1,484	1,765	1,822	1,845	1,877
Cold Rolled Strip	1,147	1,230	1,389	1,723	2,092	1,558	1,916	1,957	2,108	2,159
Cold Finished Bars and Rods	464	411	416	546	674	504	466	541	594	690
Castings	54	41	39	46	52	72	52	60	51	62
Forgings	130	117	132	174	206	194	181	185	201	206
TOTAL	70,771	76,071	79,414	88,931	107,585	91,260	99,252	99,452	107,026	107,927

TABLE 15

WORLD APPARENT STEEL CONSUMPTION
1970 - 1979
(Thousand Metric Tons, Crude Steel Equivalent)

COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 ^P
<u>Western Europe</u>										
Belgium/Lux	4,783	4,818	4,676	4,796	5,283	3,185	4,620	3,955	4,102	3,848
Denmark	2,162	1,932	2,207	2,329	2,322	1,814	2,273	1,814	1,884	1,833
F.R. of Germany	40,601	35,569	39,970	40,411	34,860	30,263	36,780	33,008	32,209	36,912
France	23,236	21,230	24,336	25,262	24,937	19,261	23,545	20,363	19,530	20,530
Ireland	423	425	466	471	554	363	477	479	431	505
Italy	21,113	18,310	20,585	22,561	23,651	17,778	21,758	20,798	18,822	23,630
Netherlands	5,668	5,010	5,000	5,350	5,682	4,533	5,063	4,463	4,942	4,316
United Kingdom(1)	25,433	20,519	22,951	24,907	24,268	20,903	21,169	19,937	20,046	20,537
Total EEC	123,419	107,813	120,251	126,087	121,557	98,100	115,685	104,817	101,876	112,111
Austria	2,940	2,727	2,788	3,251	3,363	2,153	2,704	2,521	2,716	2,696
Finland	1,888	1,447	1,751	2,046	1,877	2,043	1,842	1,547	1,327	159
Greece	883	1,034	1,311	1,797	1,583	1,290	1,563	1,624	1,569	1,815
Iceland	52	41	35	39	65	42	52	52	52	50
Norway	1,929	1,718	1,772	1,957	2,500	2,062	1,789	1,636	1,510	1,412
Portugal	896	846	905	1,146	1,374	1,036	1,113	1,474	1,496	1,300
Spain	8,544	7,862	9,508	10,696	12,091	10,909	10,983	9,052	7,079	8,225
Sweden	5,900	5,484	5,567	5,904	6,312	6,328	5,960	3,824	3,872	4,501
Switzerland	2,976	2,486	3,098	3,106	2,606	1,482	2,014	2,254	2,005	2,382
Turkey	1,781	1,976	2,131	2,232	3,478	3,078	3,701	4,720	3,501	3,465
Yugoslavia	3,425	4,130	3,878	3,634	4,240	5,301	4,063	5,185	5,399	5,685
Others	202	195	195	209	145	86	178	47	55	55
Total Western Europe	154,835	137,759	153,190	162,104	161,191	133,950	151,417	138,753	132,457	145,291
<u>Eastern Europe</u>										
Albania	77	89	88	120	130	120	115	150	125	125
Bulgaria	2,320	2,119	1,503	1,999	2,021	2,197	2,069	2,431	2,443	2,766
Czechoslovakia	8,838	9,457	9,599	10,025	10,288	10,812	11,433	11,247	11,450	10,982
D.R. of Germany	9,080	8,567	8,548	8,439	8,867	9,530	9,908	9,914	10,137	10,200
Hungary	3,080	3,221	3,268	3,270	3,806	3,806	3,432	3,655	4,029	3,621
Poland	11,684	12,528	13,967	15,838	17,379	17,833	18,310	18,73	19,654	19,316
Romania	6,430	6,832	7,777	8,163	8,937	9,831	10,492	10,954	11,531	12,432
Total Eastern Europe	41,509	42,813	44,850	47,854	51,428	54,129	55,759	57,088	59,369	59,442
USSR	110,234	115,364	121,243	129,391	137,554	141,031	145,171	E146,330	E153,451	E152,200
<u>North America</u>										
Canada	11,085	11,753	12,842	14,153	15,458	13,178	12,570	12,828	13,524	15,525
United States	127,304	127,663	138,410	149,595	144,120	116,821	129,953	133,923	146,445	140,906
Total North America	138,389	139,416	151,253	163,748	159,578	129,999	142,523	146,751	159,969	156,431
<u>Latin America</u>										
Argentina	3,286	3,708	3,739	4,126	4,138	4,287	3,314	3,645	2,640	3,600
Brazil	6,088	7,386	7,662	9,513	12,799	11,241	10,715	11,976	11,932	12,760
Chile	795	692	800	657	772	565	508	520	590	700
Colombia	685	633	692	651	815	862	728	685	715	720
Cuba	434	441	557	728	925	1,086	1,008	E 1,000	E 1,000	E 1,000
Mexico	4,168	4,051	4,684	5,174	6,112	6,211	5,962	6,487	8,060	8,840
Peru	460	466	445	645	908	969	540	598	500	550
Venezuela	1,614	1,693	2,025	2,081	2,734	2,352	2,835	4,018	2,908	2,833
Others	690	1,000	950	1,100	1,657	1,147	1,549	1,588	3,200	2,600
Total America	18,220	20,070	21,554	24,675	30,860	28,720	27,159	30,517	31,545	33,603

E = Estimated, using available data on production and foreign trade.

WORLD APPARENT STEEL CONSUMPTION (continued)
(1970 - 1979)

(Thousand Metric Tons, Crude Steel Equivalent)

COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978 ^P	1979
Africa										
Algeria	736	694	731	834	1,589	1,404	1,233	1,973	E 2,450	E 2,09
Morocco	334	303	350	390	437	488	723	806	E 625	E 70
Nigeria	650	540	571	710	884	1,380	1,327	1,799	E 1,380	E 1,02
South Africa	4,783	5,532	4,881	5,636	6,494	7,506	6,066	E 4,871	5,111	6,30
Tunisia	173	216	309	289	309	322	290	381	395	56
Zimbabwe	344	379	460	280	280	E 500	E 500	E 500	E 700	E 74
Others	1,661	1,530	1,867	2,754	2,974	2,192	2,275	3,201	2,936	2,56
Total Africa	8,681	9,194	9,169	10,893	12,967	13,792	12,414	13,531	13,597	13,95
Middle East										
Egypt	921	949	1,040	993	1,080	1,582	1,296	1,010	985	1,40
Iran	1,740	1,728	1,804	2,568	2,973	5,382	4,919	5,864	7,000	3,08
Iraq	449	432	468	771	1,864	2,010	E 1,082	E 709	1,100	2,73
Israel	655	607	722	886	1,114	744	676	704	614	62
Kuwait	219	221	188	139	422	354	1,174	630	441	50
Lebanon	276	262	426	514	520	291	88	242	376	42
Libyan Arab Republic	408	308	466	693	806	783	784	630	631	84
Saudi Arabia	430	432	566	810	1,005	1,410	1,999	1,969	2,479	3,73
Syrian Arab Republic	270	207	283	360	544	469	892	591	620	1,01
Others	447	445	411	711	659	865	1,615	679	600	75
Total Middle East	5,815	5,591	6,374	8,445	10,987	13,890	14,525	13,028	14,846	15,10
Asia										
Bangladesh	-	-	79	187	103	93	102	79	100	130
China (Mainland)	22,504	24,003	26,092	28,989	29,816	31,684	27,033	32,544	42,706	44,310
Taiwan	740	1,060	969	1,675	2,851	1,910	3,019	3,511	4,747	5,147
Hong Kong	647	654	579	651	784	725	1,155	1,180	1,888	1,840
India	6,432	7,710	9,227	8,221	8,551	8,500	8,202	10,185	10,060	12,050
Indonesia	597	612	1,030	1,442	1,280	1,448	1,382	1,744	1,964	2,005
Japan	69,882	57,699	68,888	87,181	75,753	64,736	60,176	58,243	61,507	72,329
Republic of Korea	1,279	1,475	1,496	2,860	4,222	3,120	5,416	5,997	7,438	6,947
D.P.R. of Korea	2,228	2,372	2,535	3,046	3,442	3,378	3,029	E 3,165	E 4,250	E 4,400
Malaysia	606	616	701	1,047	987	744	840	867	E 1,000	E 1,050
Pakistan	696	662	382	367	433	537	497	673	E 600	E 750
Philippines	1,351	814	1,350	1,206	1,214	1,088	1,394	1,640	1,480	E 1,540
Singapore	800	942	912	1,229	1,762	E 1,619	E 1,342	1,014	1,235	1,290
Thailand	793	795	1,081	1,240	1,234	1,108	1,377	1,655	1,902	E 1,900
Others	993	800	382	350	345	572	952	1,262	E 1,400	E 1,500
Total Asia	109,548	100,214	115,703	139,925	132,777	121,257	115,916	123,759	142,277	157,188
Oceania										
Australia	6,138	7,212	7,850	7,057	7,483	6,298	6,550	5,131	5,108	6,550
New Zealand	918	835	736	955	1,224	910	876	868	873	1,000
Others	156	143	135	140	136	120	104	98	94	E 95
Total Oceania	7,212	8,190	7,085	8,152	8,843	7,328	7,590	6,139	6,075	7,645
Western World Total	418,534	393,618	435,144	485,179	483,020	412,748	440,474	435,769	452,810	479,504
World Total	595,443	578,611	630,421	695,187	706,185	644,056	672,474	675,896	713,586	740,856
Unallocated	-13	3,949	-134	3,207	2,810	1,375	3,885	-465	3,538	6,928
World Crude Steel Production	595,430	582,554	630,287	698,394	708,995	645,431	676,359	675,431	717,124	747,784

TABLE 16

APPARENT DIRECT STEEL CONSUMPTION PER HEAD

(Kg Crude Steel Equivalent)

COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 ^E
<u>Western Europe</u>										
Belgium/Luxemburg	477	479	465	472	521	314	467	388	402	376
Denmark	439	390	442	464	460	358	448	356	369	358
F. R. of Germany	658	580	648	652	562	489	593	538	525	602
France	458	414	471	485	475	385	445	383	367	384
Ireland	144	143	155	192	179	116	150	150	134	153
Italy	393	339	379	411	427	318	387	368	332	415
Netherlands	435	380	380	398	420	332	368	322	355	308
United Kingdom	459	369	411	445	433	374	378	357	359	368
Austria	396	366	372	432	445	286	359	335	362	359
Finland	402	309	377	438	401	434	390	326	279	335
Greece	100	117	148	210	177	143	171	176	167	192
Norway	497	441	451	494	627	514	444	405	372	347
Portugal	93	87	103	134	157	110	118	156	153	132
Spain	254	230	276	307	343	306	305	249	191	221
Sweden	733	676	686	725	774	773	725	463	468	542
Switzerland	472	394	483	491	402	231	314	356	317	376
Turkey	51	52	55	55	91	80	94	112	81	80
Yugoslavia	167	201	187	173	200	248	189	239	246	258
<u>Eastern Europe</u>										
Albania	37	40	38	51	54	48	45	57	48	47
Bulgaria	273	248	175	232	233	252	236	276	277	313
Czechoslovakia	611	652	663	688	700	733	767	748	756	720
German D. R.	533	503	507	497	516	566	590	591	605	609
Hungary	298	311	314	314	363	361	324	343	377	338
Poland	356	383	422	475	516	524	533	540	561	545
Romania	318	334	374	392	425	464	489	506	528	563
USSR	454	471	490	518	546	554	566	565	587	576
<u>North America</u>										
Canada	520	544	588	640	690	577	543	550	575	655
United States	620	617	663	711	680	547	604	618	672	640
<u>Latin America</u>										
Argentina	148	157	156	167	165	168	129	140	100	135
Brazil	64	77	78	95	124	106	98	107	103	108
Chile	82	70	80	66	77	55	48	49	54	63
Colombia	32	29	31	29	34	28	30	27	28	27
Mexico	82	80	89	92	105	103	96	100	120	127
Peru	34	33	31	44	60	62	34	37	30	32
Venezuela	157	159	185	184	235	196	229	315	222	209

APPARENT DIRECT STEEL CONSUMPTION PER HEAD (Continued)

(Kg Crude Steel Equivalent)

COUNTRY	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<u>Africa</u>										
Algeria	53	47	48	53	98	84	71	110	132	110
Morocco	21	20	22	24	26	28	41	44	33	36
Nigeria	12	10	10	12	14	22	20	27	19	14
South Africa	222	223	185	219	232	263	212	161	185	221
Tunisa	34	41	58	53	50	57	51	63	65	93
<u>Middle East</u>										
Egypt	28	25	30	28	30	42	34	26	25	35
Iran	42	58	59	82	93	163	147	171	199	85
Iraq	48	44	46	74	173	181	94	60	89	214
Israel	225	201	234	276	338	221	195	195	166	164
Kuwait	296	280	221	212	454	354	1,140	558	368	398
Lebanon	99	91	144	168	187	101	30	79	125	139
Libyan Arab Republic	205	148	216	308	343	321	310	240	229	293
Saudi Arabia	69	68	86	120	144	196	270	258	315	460
Syrian Arab Republic	44	32	42	52	76	64	117	76	77	122
<u>Asia</u>										
China (Mainland)	27	32	33	38	36	38	32	38	46	47
Hong Kong	158	162	142	156	184	166	264	262	410	391
India	12	14	16	14	15	14	13	16	16	18
Indonesia	4	5	6	9	10	11	10	12	14	14
Japan	675	551	643	802	688	580	534	512	535	624
Republic of Korea	51	55	54	84	93	84	151	165	201	188
D. P. R. of Korea	160	166	173	203	223	213	186	190	249	252
Malaysia	36	41	43	60	84	63	68	69	77	79
Pakistan	6	6	6	5	6	7	7	9	8	9
Philippines	37	21	35	30	29	26	32	36	32	32
Thailand	22	21	28	31	30	26	32	38	42	41
<u>Oceania</u>										
Australia	489	567	606	537	561	467	471	365	358	454
New Zealand	326	293	254	323	407	296	283	280	281	372

TABLE 17

WORLD PIG IRON PRODUCTION BY COUNTRY 1969 - 1979

(thousand metric tons)

COUNTRY	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 ^P
WESTERN EUROPE											
Belgium	11,191	10,821	10,403	11,777	12,655	13,152	9,069	9,866	8,912	10,128	10,775
Denmark	208	215	228	204	76	-	-	-	-	-	-
F.R. of Germany (a)	33,912	33,897	30,223	32,220	37,093	40,221	30,074	31,849	28,977	30,163	35,179
France (a)	18,539	19,575	18,719	19,395	20,751	22,517	17,921	19,024	18,257	18,497	19,413
Ireland	-	-	-	-	-	-	-	-	-	-	-
Italy	7,947	8,529	8,727	9,634	10,271	11,761	11,411	11,630	11,411	11,340	11,327
Luxemburg	4,872	4,814	4,588	4,671	5,091	5,468	3,889	3,759	3,568	3,721	3,802
Netherlands	3,460	3,594	3,759	4,289	4,707	4,804	3,970	4,267	3,922	4,613	4,813
United Kingdom	16,699	17,386	15,458	15,358	16,884	13,941	11,935	13,873	12,266	11,465	12,933
Total EEC	96,828	98,831	92,105	97,548	107,528	111,864	88,269	94,286	87,313	89,927	98,242
Austria	2,821	2,970	2,943	2,846	3,006	3,443	3,056	3,320	2,965	3,077	3,702
Finland	1,162	1,164	1,035	1,184	1,412	1,381	1,368	1,329	1,764	1,858	2,038
Greece	-	-	-	-	-	-	-	-	-	-	-
Norway	684	678	627	647	700	661	638	647	503	553	654
Portugal	347	315	269	377	347	282	327	344	421	422	352
Spain	3,412	4,278	4,956	6,093	6,567	6,905	6,842	6,626	6,636	6,254	6,454
Sweden	2,768	2,842	2,815	2,587	2,782	2,979	3,309	2,952	2,330	2,363	2,905
Switzerland	25	28	32	36	26	35	35	23	27	25	30
Turkey	948	1,034	881	1,135	896	1,317	1,337	1,679	1,616	1,710	2,302
Yugoslavia	1,288	1,377	1,630	1,949	2,109	2,126	2,001	1,919	1,928	2,081	2,368
Total Western Europe	110,283	113,517	107,293	114,402	125,373	130,993	107,182	113,107	105,503	108,270	119,047
EASTERN EUROPE											
Bulgaria	1,134	1,252	1,378	1,562	1,610	1,528	1,509	1,552	1,614	1,493	1,451
Czechoslovakia	7,106	7,653	8,074	8,476	8,656	8,905	9,290	9,475	9,715	9,944	9,529
D.R. of Germany	2,087	1,988	2,018	2,147	2,197	2,280	2,456	2,528	2,628	2,560	2,386
Hungary	1,762	1,837	1,988	2,074	2,115	2,290	2,219	2,221	2,320	2,330	2,369
Poland (a)	6,856	7,111	7,331	7,579	7,896	7,787	7,752	8,036	9,651	11,235	11,104
Romania	3,486	4,211	4,381	4,890	5,713	6,081	6,602	E 7,650	7,781	8,155	8,879
Total Eastern Europe	22,431	24,052	25,170	26,728	28,187	28,871	29,828	30,462	33,709	35,717	35,718
USSR	81,634	85,933	89,256	92,327	95,933	99,868	102,968	105,384	107,368	110,700	108,998
NORTH AMERICA											
Canada	6,954	8,424	8,010	8,722	9,740	9,582	9,311	10,033	9,661	10,338	11,080
United States (a)	88,536	85,141	75,722	82,861	93,522	87,008	72,506	78,806	73,780	79,541	78,900
Total North America	95,490	93,565	83,732	91,583	103,262	96,590	81,817	88,841	83,441	89,879	89,980
LATIN AMERICA											
Argentina	589	815	861	849	804	1,083	1,030	1,284	1,100	1,435	1,114
Brazil	3,717	4,203	4,686	5,300	5,532	5,846	7,053	8,170	9,380	10,043	11,594
Chile	485	466	458	487	458	516	418	403	433	539	612
Colombia	195	229	243	288	271	269	298	285	223	295	241
Mexico	2,222	2,353	2,428	2,778	2,885	3,207	2,048	2,331	2,999	3,509	3,486
Peru	176	86	144	163	253	303	286	226	241	246	265
Venezuela	520	510	515	536	533	546	546	421	352	413	508
Total Latin America	7,904	8,664	9,335	10,401	10,736	11,770	11,679	13,120	14,728	16,360	17,821

(a) includes blast-furnace ferro-alloys

WORLD PIG IRON PRODUCTION BY COUNTRY 1969 - 1979 (contd.)

(thousand metric tons)

COUNTRY	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 ²
AFRICA AND MIDDLE EAST											
Egypt	300	300	210	299	250	E 250	E 250	E 250	E 250	E 250	E 250
Rhodesia	E 250	E 250	280	290	290	E 300	310	310	E 310	E 600	E 600
Tunisia	131	132	98	143	158	145	145	103	136	132	E 140
South Africa	4,355	4,328	4,456	4,899	4,886	4,663	5,213	5,845	5,807	5,895	7,021
Others	10	10	12	12	10	E 12	E 12	E 15	E 20	E 20	E 20
Total Africa and Middle East	5,066	5,020	5,056	5,643	5,594	5,370	E5,930	E6,523	E6,523	6,897	8,031
ASIA											
China	15,500	16,500	19,000	21,000	21,000	22,000	22,000	E18,000	E20,000	E26,000	E28,000
India	7,488	7,118	6,981	7,402	7,341	7,406	8,437	9,776	9,803	9,269	8,767
Japan	58,147	68,048	72,745	74,005	90,007	90,437	86,877	86,576	85,886	78,589	83,826
D.R. of Korea	2,300	2,400	2,500	2,600	2,700	2,700	2,900	E 3,000	E 4,000	E 5,000	E 5,000
Republic of Korea	23	41	22	6	455	987	1,194	2,012	2,426	2,741	5,049
Taiwan (ROC)	89	96	108	128	150	111	117	105	623	1,417	1,758
Thailand	3	3	3	12	15	17	14	18	20	27	E 30
Total Asia	83,550	94,206	101,359	105,153	123,668	123,658	121,539	119,487	122,758	123,043	132,430
OCEANIA											
Australia	5,797	5,769	6,240	6,006	7,182	7,515	7,513	7,308	6,733	7,280	7,759
Total Oceania	5,797	5,769	6,240	6,006	7,182	7,515	7,513	7,308	6,733	7,280	7,759

SUMMARY

Western Europe	110,283	113,517	107,293	114,402	125,373	130,993	107,182	113,107	105,503	108,270	119,047
Eastern Europe	22,431	24,052	25,170	26,728	28,187	28,871	29,828	30,462	33,709	35,717	35,718
USSR	81,634	85,933	89,256	92,327	95,933	99,868	102,968	105,384	107,368	110,700	108,998
North America	95,490	93,565	83,732	91,583	103,262	96,590	81,817	88,841	83,441	89,879	89,980
Latin America	7,904	8,664	9,335	10,401	10,736	11,770	11,679	13,120	14,728	16,360	17,821
Africa and Middle East	5,066	5,020	5,056	5,643	5,594	5,370	5,930	6,523	6,523	6,897	8,021
Asia	83,550	94,206	101,359	105,153	123,668	123,658	121,539	119,487	122,758	123,043	132,430
Oceania	5,797	5,769	6,240	6,006	7,182	7,515	7,513	7,308	6,733	7,280	7,759
TOTAL WORLD	412,155	430,726	427,441	452,243	499,935	504,635	468,456	484,232	480,763	498,146	519,774

E = Estimate

TABLE 18

PIG IRON 1979: Production, Trade and Apparent Consumption

(Thousand metric tons)

COUNTRY	Production +	Imports -	Exports =	Apparent Consumption
Belgium/Luxemburg	14,577	105	22	14,660
France	18,965	447	361	19,051
F. R. of Germany	34,854	316	988	34,182
Italy	11,327	517	7	11,837
Netherlands	4,813	76	24	4,865
United Kingdom	12,933	173	45	13,061
E E C (7)	97,469	1,634	1,447	97,656
Austria	3,702	88	-	3,790
Spain	6,454	42	E 75	6,421
Sweden	2,905	58	269	2,694
Yugoslavia	2,368	E 90	E 10	2,448
Canada	11,080	10	256	10,834
United States	78,900	527	114	79,313
Brazil	11,594	1	989	10,606
Mexico	3,486	-	-	3,486
South Africa	7,021	-	E 30	6,991
India	8,767	-	-	8,767
Japan	83,825	564	-	84,389
Australia	7,759	-	E 700	7,059
Total of above	325,330	3,014	3,890	324,454
U S S R	108,998	-	E4,300	104,698
Bulgaria	1,451	356	12	1,795
Czechoslovakia	9,530	592	-	10,122
German Democratic Republic	2,386	669	-	3,055
Hungary	2,369	226	16	2,579
Poland	11,104	1,463	-	12,567
Romania	8,879	561	-	9,440
Total Comecon countries	144,717	3,867	4,328	144,256
Total above countries	470,047	6,881	8,218	468,710
WORLD TOTAL	± 519,000			

TABLE 19

IRON AND STEEL SCRAP: Consumption, Trade and Apparent Supply 1979
(Thousand metric tons)

	Consumption - Imports + Exports =			Domestic supply
Belgium/Luxemburg	5,803	970	550	5,383
France	8,111	425	3,527	11,213
F.R. of Germany	21,766	1,605	2,998	23,159
Italy	E 16,200	6,891	13	9,322
Netherlands	1,817	123	1,142	2,836
United Kingdom	15,368	44	1,338	16,662
EEC (7)	69,065	10,058	9,568	68,575
Austria	1,782	134	14	1,662
Spain	E 9,000	E 3,500	-	5,500
Sweden	E 2,600	130	17	2,487
Yugoslavia	2,061	E 400	-	1,661
Canada	8,296 ⁽³⁾	1,047	1,028	8,277
U S A	70,037 ⁽³⁾	690	10,028	79,375
Brazil	5,894	1	-	5,893
South Africa	E 3,500 ⁽²⁾	-	-	E 3,500
Japan	45,630	3,346	150	42,434
Total above countries	217,865	19,306	20,805	219,364
U S S R	56,336 ⁽⁴⁾	-	-	56,336
Czechoslovakia ⁽²⁾	6,733	E 200	-	6,533
German D. R.	E 4,300	708	-	3,592
Hungary	2,148	6	37	2,179
Poland	10,521	6	-	10,515
Total above COMECON countries	80,038	920	37	79,155
Total all above countries	297,903	20,226	20,842	298,519

(1) Excluding consumption in iron foundries

(2) In steelworks only

(3) In blast furnaces and melting shops only

(4) In open-hearth furnaces and oxygen converters only.

TABLE 20
 SPECIFIC SCRAP CONSUMPTION IN STEELMAKING: 1965 - 1979
 (Kilograms per metric ton)

	1965	1970	1974	1975	1976	1977	1978	1979
Belgium	210	256	292	314	295	297	297	301
Denmark	709	630	975	1,033	1,074	1,142	1,123	1,127
F.R. of Germany	416	413	394	403	390	397	402	369
France	356	358	337	341	343	334	349	339
Italy	673	646	613	619	627	642	664	..
Luxembourg	210	235	272	277	293	301	343	347
Netherlands	428	408	330	295	309	309	303	313
United Kingdom	520	543	546	557	548	550	576	545
Austria	386	367	359	350	345	369	377	353
Norway	509	462	494	508	485	477	286	581
Spain	492	637	589	586	599	..	..	..
Sweden	578	592	618	600	602	601	..	..
Yugoslavia	459	519	547	557	542	520	558	543
Canada	490	433	512	508	477	502	517	508
United States	518	492	537	523	518	512	514	528
India	257	293	358	..	229	..	..	..
Japan	421	373	334	282	300	277	319	341
Australia	377	323	311	309	..	..	..	..
Czechoslovakia	475	..	446	439	436	441	430	454
German D.R.	..	..	687	653	660	601	583	..
Hungary	491	517	495	485	487	488	513	493
Poland	528	538	545	..	579	555	529	547
USSR (1)	..	489	489	485	499	497	..	..

(1) In open hearth furnaces only.

TABLE 21

IRON ORE: Production, Trade and Apparent Consumption 1979

(Thousand metric tons actual weight)

COUNTRY	Fe(1) Content	Production	+ Imports	- Exports	= Apparent Consumption
Belgium/Luxemburg	(27)	631	26,144	3	26,772
France	(33)	31,665	17,345	10,220	38,790
F. R. of Germany	(28)	1,649	51,703	3	53,349
Italy	(50)	268	17,318	-	17,586
Netherlands	-	-	7,430	119	7,311
United Kingdom	(27)	4,288	17,924	1	22,211
E E C (7)		38,501	137,864	10,346	166,019
Austria	(32)	3,264	3,964	-	7,228
Spain	(48)	E 8,250	E 5,500	E 1,400	12,350
Sweden	(63)	28,746	33	26,243	2,536
Yugoslavia	(45)	4,616	E 750	-	5,366
Canada	(55)	67,457	E 5,000	E 53,850	18,607
United States	(60)	86,553	34,350	5,230	115,673
Brazil	(68)	93,496	-	75,439	18,057
Chile	(63)	7,909	-	E 7,049	860
Peru	(60)	6,236	-	E 5,936	300
Venezuela	(64)	15,260	-	E 13,000	2,260
Liberia	(68)	19,477	-	19,477	-
Mauretania	(65)	9,127	-	9,127	-
South Africa	(60 - 65)	27,106	-	E 15,606	11,500
India	(61)	E 40,800	-	E 26,000	14,800
Japan	(57)	459	130,268	-	130,727
Australia	(65)	84,180	-	E 71,000	13,180
Total of above countries		541,437	317,729	339,703	519,463
U S S R	(60)	241,597	-	E 52,000	189,597
Bulgaria	(32)	2,103	2,107	-	4,210
Czechoslovakia	(30)	2,012	E 15,000	-	17,012
German D. R.	(25)	E 65	E 4,000	-	4,065
Hungary	(25)	285	4,045	-	4,330
Poland	(30)	249	18,872	-	19,121
Romania	(35)	2,523	14,974	-	17,497
Total Comecon		248,834	58,998	52,000	255,832
Total all above countries		790,271	376,727	391,703	775,295
WORLD TOTAL		± 895,000			

TABLE 22

TOTAL SPECIFIC USE OF ENERGY, 1960 - 1979

(Kilograms of coal equivalent per ton of crude steel)

COUNTRY	1960	1965	1970	1973	1976	1977	1978	1979
Australia	..	..	..	888	854	856	844	804
Austria	..	789	726	699	765	..	..	768
Belgium	981	889	773	757	766	..	738	737
Canada	669	736	752	723	728			
Finland	..	..	822	809	772			
France	916	773	724	834	851		819	820
F. R. of Germany	940	854	811	767	799	799	748	745
Italy	..	..	..	592	630	627	594	593
Japan	725	674	667	696	729			
Luxemburg	983	915	901	779	872	900	808	773
Netherlands	892	792	714	692	670		612	
South Africa	..	1,134	977	1,238	1,125	..	953	1,045
Sweden	726	679	734	704	674			
United Kingdom	1,163	1,058	980	893	902	916	883	916
United States	1,051	901	926	881	906		894	

TABLE 23

SPECIFIC COKE CONSUMPTION 1960 - 1979
(Kg/ton of pig iron produced)

COUNTRY	1960	1965	1970	1973	1976	1977	1978	1979
Austria	730	617	510	510	469	459	462	462
Belgium	844	646	584	557	535	523	519	622
Canada	769	585	544	476	475	451	432	454
F. R. of Germany	834	672	559	495	482	484	489	502
Finland	515	560	484	475	463	447	435	420
France	972	784	626	558	520	503	492	513
Italy	777	663	540	518	470	475	479	..
Luxembourg	1092	860	730	601	494	496	489	519
Japan	619	507	478	438	432	433	429	423
Netherlands	790	559	497	476	444	450	428	442
South Africa	..	756	665	617	643	617	613	..
United Kingdom	825	680	625	577	606	601	587	580
United States	770	650	658	595	594	598	586	576

TABLE 24

PERCENTAGE SHARES IN TOTAL USE OF ENERGY

1960 - 1979

(a) Coal and Coke

COUNTRY	1960	1970	1973	1976	1977	1978	1979
Australia	..	42.7	39.3	40.1	..	..	..
Austria	..	36.2	37.1	41.0	..	..	35.7
Belgium	44.1	42.2	40.9	41.5	..	41.3	42.1
Canada	50.0	34.1	30.4	28.1			
Finland	19.8	49.5	42.8	42.0			
F. R. of Germany	43.6	36.5	33.7	35.5	36.3	37.1	38.8
France	63.3	50.4	43.6	41.7	..	40.8	42.7
Italy	..	32.7*	31.9	28.8	30.1	30.0	29.6
Japan	36.7	38.4	35.1	36.9			
Luxembourg	45.3	35.1	41.5	42.6	40.4	41.2	46.0
Netherlands	55.3	54.8	44.0	43.1	..	44.6	
South Africa	..	38.3	45.0	43.1	..	33.5	40.5
United Kingdom	42.4	33.3	31.3	31.5	30.4	30.1	31.0
United States	44.2	39.9	37.1	32.7	..	29.2	

* 1971

(b) Coke oven and blast furnace gas

COUNTRY	1960	1970	1973	1976	1977	1978	1979
Australia	..	34.3	38.9	39.9	..	..	..
Austria	..	23.1	23.8	23.5	..	..	22.7
Belgium	46.4	33.4	28.9	24.8	..	23.3	22.2
Canada	40.6	33.7	36.2	37.2			
Finland	17.1	20.7	15.6	20.0			
France	28.4	25.5	24.8	24.2	..	22.6	22.5
F. R. of Germany	41.4	30.2	28.3	27.2	26.2	23.7	24.1
Italy	..	14.2*	14.1	20.3	20.3	20.2	20.0
Japan	23.2	23.2	21.9	21.4			
Luxembourg	57.6	40.2	27.2	21.6	21.4	20.9	20.3
Netherlands	13.0	9.4	12.2	19.2	..	19.3	
South Africa	..	30.8	25.5	25.8	..	32.7	24.7
United Kingdom	25.1	19.6	20.4	21.5	20.4	19.9	19.0
United States	25.7	23.8	23.7	24.4	..	23.8	

* 1971

Note: These tables cover the major, but not all, sources of energy: for example natural gas and diesel oil are not included. Consequently the four component parts of Table 24 do not add to 100 per cent of total use of energy.

PERCENTAGE SHARES IN TOTAL USE OF ENERGY

(c) Fuel oil

1960 - 1979

COUNTRY	1960	1970	1973	1976	1977	1978	1979
Australia	..	13.1	12.4	9.8	..	..	..
Austria	..	17.1	16.5	17.8	..	..	14.7
Belgium	2.2	9.4	8.0	7.6	..	7.1	6.3
Canada	4.0	15.9	10.9	10.3			
Finland	22.7	18.4	23.3	22.7	..		
France	5.0	14.7	17.8	15.9	..	15.4	13.1
F. R. of Germany	5.5	13.8	15.7	12.6	10.9	10.5	9.7
Italy	..	11.4*	9.9	11.0	8.0	7.9	8.4
Japan	18.7	21.1	21.1	14.9			
Luxembourg	0.5	18.4	20.0	17.7	15.3	12.5	7.7
Netherlands	19.8	14.9	16.0	18.7	..	15.6	
South Africa		1.0	2.4	1.0	..	0.9	0.3
United Kingdom	12.1	25.0	23.1	17.9	17.4	16.9	16.5
United States	9.8	6.1	7.3	8.3	..	8.7	

* 1971

(d) Electric Power
(including purchased and own production)

COUNTRY	1960	1970	1973	1976	1977	1978	1979
Australia	..	9.6	9.6	8.0	..	..	..
Austria	..	16.6	15.9	19.1	..	..	23.0
Belgium	12.5	14.2	14.1	16.1	..	16.9	17.3
Canada	4.9	5.5	6.6	5.6			
Finland	40.2	16.8	20.2	22.2			
France	5.1	8.7	16.5	18.6	..	20.1	19.4
F. R. of Germany	13.5	15.2	16.2	17.9	18.9	19.5	19.2
Italy	..	30.2*	30.6	35.7	38.2	37.2	38.2
Japan	27.5	21.3	21.5	23.5			
Luxembourg	15.2	15.7	17.3	20.2	19.5	19.9	20.2
Netherlands	12.3	10.0	12.8	16.3	..	17.8	
South Africa	..	23.0	20.6	25.5	..	30.1	32.0
United Kingdom	13.5	19.5	20.2	21.8	23.1	24.5	24.3
United States	8.8	12.7	13.6	15.4	..	18.7	

* 1971

A P P E N D I X

Sources and Explanatory Notes

Table No.

- 1, 2. Source: IISI 103; (World Crude Steel Production). Earlier years were taken from British Iron and Steel Federation Statistics. Crude steel is defined as the total of useable ingots, continuously-cast semi-finished products and liquid steel for castings.
3. Source: IISI 101, 102 (Monthly Crude Steel Production in 29 Reporting Countries)
4. Source: IISI 125 (Continuous Casting Output and Share in Crude Steel Output by Country). Comecon data from United Nations Economic Commission for Europe. The continuously cast output figures shown include both billets and slabs.
5. Source: IISI 120 (Annual Crude Steel Production by Process) Comecon data from United Nations Economic Commission for Europe. Sweden's electric furnace production includes duplex steel for argon oxygen decarburisation (AOD) and Creusot-Loire-Uddenholm (CLU) processes.
6. Source: IISI 130 (Quarterly Deliveries of Steel Products); IISI 140 (Annual Apparent Consumption of Steel by Products). The figures reported are the total deliveries of the domestic steel industry to both home and export markets. Due to differences in national statistical reporting systems, the various countries included report different ranges of steel products. Therefore delivery figures are not internationally comparable; for example, a country reporting deliveries of cold-finished products, tube and wire, would show correspondingly lower deliveries of the hot-rolled products which had been used in their manufacture.
7. Source: export data derived from Table 8 (World Steel Exports), converted from product weight into crude steel equivalent by applying a factor of 1.3. Production data from Table 1 (World Crude Steel Production).
8. Source: IISI 152 (World Steel Exports - Totals by Country of Origin). Exports are based on a broad definition of steel industry products, and include ingots, semi-finished products; hot-rolled and cold-finished products; tube and pipe, single-strand wire, wheels tyres and axles and unworked steel castings and forgings. Trade within the European Economic Community, and within the Comecon bloc, is included.

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Appendix (continued)

Sources and Explanatory Notes

Table No.

9. Source: IISI 162 (World Steel Imports - Totals by Importing Country). As in the preceding Table, imports are defined to cover a broad range of steel industry products, and to include trade within the EEC and Comecon trading blocs. The imports of most of the developing countries of Africa, the Middle East and Asia have been estimated on the basis of the export destinations declared by steel exporting nations.
10. Source: Table 8 (World Steel Exports - Totals by Country of Origin); earlier data from United Nations Economic Commission for Europe.
11. Source: derived from Table 10 (World Steel Exports by Region of Origin).
12. Source: Table 9 (World Steel Imports - Totals by Importing Country); earlier data from United Nations Economic Commission for Europe.
13. Source: derived from Table 12 (World Steel Imports by Importing Region).
14. Source: IISI 150 (World Steel Exports). This analysis by product covers the exports of fourteen countries, which together account for approximately 80 per cent of world steel exports, or 90 per cent of Western World exports; i.e. excluding those of the USSR and Eastern Europe. The fourteen countries included are: Belgium-Luxembourg, France, F.R. Germany, Italy, Netherlands, United Kingdom, Austria, Spain, Sweden, Canada, United States, Japan, Australia. There are variations in product classification from country to country, and from year to year, but these are relatively minor in magnitude, and do not significantly change from year to year the product series shown in the table.
15. Source: IISI 143 (World Apparent Steel Consumption) Apparent Steel Consumption is developed as Production + Imports - Exports. In order to convert imports and exports back into crude steel equivalent, the following United Nations conversion factors were employed:

<u>Steel Product</u>	<u>Factor for conversion into crude steel</u>
ingots	1.000
semi-finished products	1.172
heavy and light sections	1.271
heavy and medium plates	1.420
sheets	1.359
hoop and strip	1.228
tinplate	1.359
railway track material	1.300
wire rods	1.271
wire	1.319
tubes	1.470
wheels, tyres and axles	1.400

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Appendix (continued)

Sources and Explanatory Notes

Table No.

- 15.(contd.) In some cases, an overall average conversion factor of 1.300 was used. These standard conversion factors were applied to all countries and all years, although yields vary from country to country and over time. The distortions which can result from using standard international coefficients are illustrated by the case of Japan, which is both a sizeable net exporter and an exceptionally efficient producer. The application of standard United Nations coefficients overstates, by several million tons annually, the crude steel required to produce Japan's exports, and thus understates, by an equivalent amount, apparent steel consumption in Japan.
16. Source: Table 15 (World Apparent Steel Consumption); population figures from United Nations. As the steel consumption figures are derived solely from production and trade data, making no allowance for inventory fluctuations, etc, there can be considerable variation from year to year around the underlying trend.
17. Source: IISI 93 (World Pig Iron Production) Pig iron does not include sponge iron. It includes iron for steelmaking and foundry iron.
- 18, 19
20, 21. Source: United Nations Economic Commission for Europe, United Kingdom Iron and Steel Statistics Bureau.
- 22-24. Source: IISI/STATS/74 (Questionnaire on Consumption of Energy in the Iron and Steel Industry). The percentage shares shown in Table 24 do not add to 100 per cent as various fuel sources e.g. natural gas are not included.