

MAY 19 1971

MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C. 20240



Rogers C. B. Morton, Secretary

Elburt F. Osborn, Director

For information call H. J. Polta
Telephone: 703-557-0622

Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN MARCH 1971

Preliminary figures based on 71 percent of reporting consumers indicate March consumption of iron and steel scrap was up 11 percent compared to February, according to the Bureau of Mines, U. S. Department of the Interior. During the same period production was up 12 percent, and net receipts up 7 percent. Stocks remained essentially unchanged.

Exports in February were down 27 percent compared to those of January, and down 15 percent from those of February 1970. Largest importer of U.S. scrap was Japan which took 41 percent of total U.S. exports. Next largest exports were to Canada and Italy both of which received about 12 percent.

The Iron Age composite price for No. 1 Heavy Melting Steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of March was \$35.17, down \$6.00 from the March 1970 price of \$41.17. The end of March No. 2 bundle price of \$24.33 was \$4.84 below its \$29.17 price 1 year earlier.

Preliminary March figures indicate pig iron production and consumption during the month rose 13 percent, and 15 percent, respectively, from those of February. Stocks declined 7 percent during the same period.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer (Short tons)

	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscel- laneous users	Total for month of Feb - 1971	Total year to date 3/	Preliminary total for month of March 1971 4/
SCRAP:						
Receipts-----	2,374,863	137,576	771,109	3,283,548	6,334,364	3,518,000
Production-----	3,907,090	77,535	451,417	4,436,042	8,927,140	4,969,000
Consumption by grades:						
Carbon steel-						
Low phos. plate & punchings-----	41,608	54,243	66,010	161,861	638,367	187,000
Cut structural and plate-----	33,544	13,971	64,878	112,393	226,205	120,000
No. 1 heavy melting steel-----	2,322,660	21,035	21,527	2,365,222	4,646,305	2,747,000
No. 2 heavy melting steel-----	241,092	143	18,106	259,341	484,307	278,000
No. 1 and electric furnace bundles	476,872	5,466	28,294	510,632	1,011,207	557,000
No. 2 and all other bundles-----	249,506	1,065	34,923	285,494	556,820	313,000
Turnings and borings-----	142,101	7,109	58,078	207,288	409,709	237,000
Slag scrap (Fe content)-----	208,926	464	1,291	210,681	448,172	290,000
Shredded or fragmented 5/-----	84,687	5,883	33,472	124,042	229,030	134,000
All other carbon steel scrap-----	1,166,877	70,261	149,859	1,386,999	2,866,962	1,493,000
Stainless steel-----	74,144	2,408	251	76,803	147,207	87,000
Alloy steel (except stainless)-----	213,899	10,555	11,430	235,884	485,112	250,000
Cast iron (include borings)-----	508,802	25,783	700,438	1,235,023	2,446,094	1,307,000
Other grades of scrap-----	49,381	9,831	48,968	108,180	196,590	119,000
Consumption Total-----	5,814,099	228,217	1,237,525	7,279,841	14,792,085	8,056,000
Shipments-----	394,046	3,840	15,295	413,181	800,045	460,000
Stocks end of month-----	6,376,338	262,781	780,584	7,419,703	-	7,391,000
PIG IRON:						
Receipts-----	357,207	6,660	197,980	561,847	1,065,950	639,000
Production-----	7,291,970	-	-	7,291,970	14,947,289	8,267,000
Consumption-----	7,068,670	7,705	222,082	7,298,457	14,850,734	8,364,000
Shipments-----	562,721	127	95	562,943	1,147,875	685,000
Stocks end of month-----	1,664,626	24,646	248,142	1,937,414	-	1,794,000

1/ Includes only those castings made by companies producing steel ingots.

2/ Excludes companies that produce both steel ingots and castings.

3/ Year to date totals may not agree with a summation of prior monthly total due to revisions after publication of monthly data.

4/ Estimate based on 71 percent return of consumers reports - cut off date 4/29/71.

5/ Does not include shredded scrap that consumers may have reported under different grade classification.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, February 1971
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama-----	126,960	180,000	302,333	3,821	225,743	310,244
Arizona-----	W	W	W	W	W	-
Arkansas-----	W	-	W	-	W	-
California-----	104,809	137,430	222,759	21,999	289,100	167,111
Colorado-----	50,721	40,589	83,654	-	28,461	86,331
Connecticut-----	5,966	4,063	10,281	220	12,081	1,510
Delaware-----	W	W	W	W	W	W
Florida-----	W	W	W	-	W	W
Georgia-----	41,072	11,093	42,077	59	39,745	808
Illinois-----	394,243	347,333	690,007	21,217	682,067	572,544
Indiana-----	235,330	709,515	873,247	68,754	1,144,488	1,142,555
Iowa-----	28,769	13,612	51,671	W	41,375	2,118
Kansas-----	4,946	2,934	9,219	W	3,006	208
Kentucky-----	64,220	72,826	116,098	17,554	141,758	W
Louisiana-----	W	W	W	-	W	-
Maine-----	W	W	W	-	W	W
Maryland-----	19,473	219,225	249,915	W	260,304	W
Massachusetts-----	3,065	3,858	7,017	W	3,941	1,497
Michigan-----	372,731	337,033	689,880	7,501	349,994	537,249
Minnesota-----	17,046	18,849	45,159	W	82,724	33,878
Mississippi-----	W	W	W	-	W	-
Missouri-----	69,228	19,920	94,584	W	174,105	1,242
Montana-----	W	W	W	W	W	W
Nebraska-----	W	W	W	W	W	W
Nevada-----	W	-	W	-	W	W
New Hampshire-----	W	W	W	-	W	W
New Jersey-----	42,022	9,410	43,572	453	59,341	4,124
New York-----	78,710	178,946	254,222	3,628	375,297	409,061
North Carolina-----	9,109	W	11,528	-	7,441	W
Ohio-----	571,460	758,757	1,229,201	87,978	1,075,175	1,204,435
Oklahoma-----	19,763	4,433	21,555	-	48,455	W
Oregon-----	12,710	W	15,753	W	14,164	W
Pennsylvania-----	590,845	1,019,010	1,473,432	147,484	1,512,961	1,836,813
Rhode Island-----	7,858	5,130	12,457	W	9,973	795
South Carolina-----	1,444	W	3,907	-	646	W
Tennessee-----	36,768	15,988	49,060	695	18,999	9,085
Texas-----	148,957	106,090	251,715	-791	322,230	4,380
Utah-----	31,233	60,459	75,904	2,594	183,850	140,647
Vermont-----	671	470	1,124	-	1,691	323
Virginia-----	W	15,695	38,054	W	26,283	W
Washington-----	31,485	10,308	47,625	902	90,534	34
West Virginia-----	42,044	77,136	117,488	290	105,812	W
Wisconsin-----	31,772	30,685	61,509	2,520	26,038	10,498
Undistributed-----	88,118	25,245	83,834	26,303	61,923	820,969
Total U.S.-----	3,283,548	4,436,042	7,279,841	413,181	7,419,705	7,298,457

W Withheld to avoid disclosing individual company confidential data; included in Undistributed.

TABLE 3. U.S. consumption of iron and steel scrap by grades, February 1971
(Short tons)

CARBON STEEL									
State	Low phos., cut struc- tural, and plate	No. 1 & 2 heavy melt- ing & No. 1 bundles	No. 2 & all other bundles	Turnings & borings	Shredded or fragmentized	All other carbon steel	Stainless & alloy steel	Cast iron (including borings)	Other grades of scrap including slag
Alabama-----	13,251	127,463	30,031	1,085	725	53,009	2,776	65,681	8,312
Arizona-----	W	-	W	-	-	W	W	W	W
Arkansas-----	-	-	-	-	-	-	-	-	-
California-----	3,472	50,338	-	3,313	5,105	94,963	892	39,076	14,949
Colorado-----	2,119	61,362	-	2,182	681	36	397	2,222	14,655
Connecticut-----	2,854	366	52	-	41	300	3,828	2,478	W
Delaware-----	W	W	W	W	W	W	W	W	-
Florida-----	W	21,468	W	-	-	W	-	W	-
Georgia-----	206	25,155	6,614	-	-	7,966	-	2,136	-
Illinois-----	59,922	277,280	30,447	22,915	10,937	184,641	11,592	86,031	6,242
Indiana-----	9,779	500,689	24,192	21,626	-	142,907	6,055	109,896	58,103
Iowa-----	4,841	7,599	3,148	12,941	108	1,867	60	15,194	5,913
Kansas-----	4,370	-	-	-	W	W	-	684	W
Kentucky-----	-	68,820	1,724	5,091	77	12,932	7,581	9,958	9,915
Louisiana-----	W	-	-	-	-	W	-	-	-
Maine-----	W	-	-	-	-	-	-	W	-
Maryland-----	2,886	W	W	W	-	W	-	30,329	11,643
Massachusetts-----	1,027	68	W	W	-	560	10,869	4,773	W
Michigan-----	29,461	121,848	13,579	8,068	22,315	211,803	11,588	238,085	33,133
Minnesota-----	1,908	20,444	W	W	-	1,815	244	8,167	582
Mississippi-----	-	W	W	-	W	W	-	-	-
Missouri-----	425	63,215	-	W	W	2,428	1,338	13,998	879
Montana-----	-	-	-	-	-	-	-	W	W
Nebraska-----	W	-	-	-	-	W	-	W	W
Nevada-----	W	-	-	-	-	-	-	W	-
New Hampshire-----	-	W	-	-	-	-	-	-	-
New Jersey-----	2,304	8,405	7,564	-	-	9,742	569	12,382	455
New York-----	4,277	101,222	7,072	4,001	1,886	40,988	10,602	60,367	23,807
North Carolina-----	W	9,869	W	-	-	W	-	1,176	-
Ohio-----	58,296	503,030	76,311	52,525	13,934	208,407	85,402	195,217	36,079
Oklahoma-----	W	W	-	-	-	W	-	W	W
Oregon-----	-	W	W	-	1,291	W	-	-	-
Pennsylvania-----	35,230	774,460	26,625	41,187	9,270	208,602	144,183	183,344	50,531
Rhode Island-----	-	-	W	1,072	-	1,970	W	W	W
South Carolina-----	W	-	-	88	-	W	-	3,210	-
Tennessee-----	5,960	W	W	-	-	W	-	30,133	7,333
Texas-----	7,051	76,375	9,081	24,128	13,518	58,831	4,353	50,175	8,203
Utah-----	W	26,997	W	W	W	W	W	W	-
Vermont-----	-	W	-	-	-	W	-	W	-
Virginia-----	4,942	W	W	-	-	6,688	-	17,789	-
Washington-----	2,089	24,409	3,704	111	7,510	1,549	1,206	5,727	W
West Virginia-----	W	21,851	W	206	1,433	W	899	3,480	W
Wisconsin-----	14,332	1,193	-	1,628	-	12,895	222	26,027	5,212
Undistributed---	3,252	241,269	34,699	5,121	35,211	122,098	8,031	17,288	22,915
U.S. Total-----	274,254	3,135,195	285,494	207,288	124,042	1,386,997	312,687	1,235,023	318,861

W Withheld to avoid disclosing individual company confidential data; included in Undistributed.

FOREIGN TRADE

Exports of iron and steel scrap totaled 451,194 short tons in February compared with 613,921 tons in January. Exports of pig iron during February totaled 424 tons and 678 tons in January. Imports of scrap totaled 16,832 short tons in February compared with 24,942 tons in January. Of the scrap imported during February, 15,610 short tons came from Canada and 1,222 tons from other sources. Imports of pig iron totaled 4,116 short tons in February and 4,887 tons in January. In addition to the foregoing imports of pig iron during February there were 587 tons of sponge iron, valued at 92,894 imported, of which 537 tons came from Canada, and 50 tons from Mexico.

TABLE 4. - U.S. exports of iron and steel scrap 1/, by countries

Country	February 1971		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	54,359	\$1,596,352	134,981	\$4,254,474
China (Taiwan)-----	34,118	1,086,138	59,630	1,951,659
France-----	1,376	41,740	1,697	61,402
Italy-----	53,180	1,923,561	89,190	3,241,728
Japan-----	182,930	6,510,738	391,052	14,746,910
Korea-----	18,035	1,153,323	24,905	1,444,066
Mexico-----	47,186	1,918,777	93,113	3,758,122
Spain-----	15,883	824,932	98,933	4,287,902
Sweden-----	1,661	391,531	5,701	1,399,013
United Kingdom-----	18,320	725,097	77,850	3,232,560
Venezuela-----	4,983	133,693	16,064	460,144
Other Countries-----	19,163	922,428	71,999	3,245,580
Total-----	451,194	\$17,228,310	1,065,115	\$42,083,560

1/ Excludes ships, boats, and other vessels for breaking up (for scrapping) which was included in 1965-1970 figures.

TABLE 5. - U.S. exports of iron and steel scrap, by grades

Grades of scrap	February 1971		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	191,220	\$7,746,472	424,325	\$17,232,971
No. 2 heavy melting steel scrap-----	56,752	2,055,748	104,947	3,701,190
No. 1 bundles-----	11,129	367,471	35,210	1,321,059
No. 2 bundles-----	57,498	1,266,205	147,644	3,537,095
Borings, shovelings and turnings-----	19,665	447,906	47,652	1,503,515
Stainless steel-----	2,007	515,280	7,337	1,939,242
Shredded steel scrap-----	37,291	1,656,744	111,846	5,176,398
Iron scrap (excluding borings and shovelings)	31,480	1,061,329	99,908	3,707,096
All other steel scrap <u>1/-</u>	44,152	2,111,155	86,246	3,964,994
Total-----	451,194	\$17,228,310	1,065,115	\$42,083,560
Ships, boats, and other vessels for breaking up (for scrapping)-----	13,770	395,958	93,437	1,737,777
Total-----	464,964	\$17,624,268	1,158,552	\$43,821,337

1/ Includes tin plate and terne plate.