



## MINERAL INDUSTRY SURVEYS

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF MINES

FRED A. SEATON, Secretary

MARLING J. ANKENY, Director

Iron and Steel Scrap  
Monthly Report No. 224

#### FERROUS SCRAP IN JUNE 1959

At the half-way mark of 1959, the total consumption of ferrous scrap and pig iron were 62 percent and 68 percent greater, respectively, than during the first six months of 1958, according to the Bureau of Mines, United States Department of the Interior. The combined consumption of ferrous scrap and pig iron for the first six months of 1959 was 75,462,645 gross tons, the highest quantity ever consumed for any January through June period. In June, the combined use of ferrous scrap and pig iron was 4 percent less than in May, however, the daily consumption rate of these materials, 430,282 gross tons decreased only 1 percent. The total melt (12,908,466 gross tons) consisted of 49 percent scrap and 51 percent pig iron, unchanged from May.

Table 1 - Summary of production, receipts, consumption, and consumers' stocks of ferrous scrap and pig iron, January 1959 to June 1959, in gross tons

| Date        | Scrap for consumption |                                |           | Consumption |           | Consumers' stocks at end of month |                        |
|-------------|-----------------------|--------------------------------|-----------|-------------|-----------|-----------------------------------|------------------------|
|             | Home scrap produced   | Purchased scrap received (net) | Total     | Scrap       | Pig iron  | Scrap                             | Pig iron <sup>1/</sup> |
| Jan. 1959-- | 3,139,909             | 1,996,185                      | 5,136,094 | 5,375,042   | 5,609,509 | 8,330,913                         | 3,477,606              |
| Feb. 1959-- | 3,250,026             | 2,263,986                      | 5,514,012 | 5,657,873   | 5,627,953 | 8,197,032                         | 3,296,182              |
| Mar. 1959-- | 3,869,752             | 2,861,674                      | 6,731,426 | 6,677,499   | 6,798,053 | 8,242,936                         | 3,171,999              |
| Apr. 1959-- | 3,919,279             | 2,755,886                      | 6,675,165 | 6,644,905   | 6,652,916 | 8,275,777                         | 3,095,256              |
| May 1959--  | 3,922,048             | 2,639,821                      | 6,561,869 | 6,642,572   | 6,867,857 | 8,199,281                         | 3,118,025              |
| June 1959-- | 3,865,664             | 2,431,824 <sup>2/</sup>        | 6,297,488 | 6,322,404   | 6,586,062 | 8,214,592                         | 3,064,057              |

<sup>1/</sup> Suppliers' stocks included with consumers' stocks.

<sup>2/</sup> Excludes 215,252 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Prepared by James E. Larkin and James C. O. Harris, Sept. 22, 1959, under the supervision of H.G. Iverson, Chief, Branch of Ferrous Metals and Ferroalloys, Division of Minerals.

The use of ferrous scrap in steelmaking furnaces (open-hearth, Bessemer, oxygen steel process, and electric) during June totaled 4,891,549 gross tons, 6 percent lower than during the preceding month. Consumption of pig iron (over 90 percent in the molten state) in steelmaking furnaces was 4 percent below the record quantity consumed during May. The total steel-furnace melt (10,824,652 tons) consisted of 45 percent scrap and 55 percent pig iron, compared with 46 and 54 percent, respectively, during May.

The use of scrap by gray iron foundries during June totaled 885,497 gross tons, 2 percent greater than the 868,661 tons, used during May. Pig iron consumed by this industry totaled 366,136 tons, an increase of 2 percent over the preceding month.

Domestic stocks of ferrous scrap and pig iron held by consumers at the end of June totaled 11,278,649 gross tons, a slight decrease from those held at the end of the preceding month. Stocks of ferrous scrap were equivalent to a 39-day supply at the June daily consumption rate and totaled 8,214,592 tons, slightly greater than at the end of May, and 4 percent greater than stocks held on June 30, 1958. Pig iron stocks held by consumers and suppliers, totaled 3,064,057 tons, a decrease of 2 percent from those held on May 31, and 10 percent less than those at the end of June 1958.

Home scrap produced, plus purchased scrap received totaled 6,297,488 tons during June, 4 percent less than during May; home scrap produced accounted for 3,865,664 tons, a decrease of 1 percent from May. Net purchased scrap received totaled 2,431,824 tons, a decrease of 8 percent from May. Of the purchases, 83 percent was received from dealers and 17 percent from other sources. Purchased scrap received is a net figure computed by deducting scrap shipped, transferred, or otherwise disposed of by consumers from total scrap received from dealers and all others during the month.

Table 2 - Production and receipts of ferrous scrap by major consuming industries plants, in gross tons

| Date        | Home scrap produced                |                         |                                        | Purchased scrap received (net) <sup>1/</sup> |                         |                                        |
|-------------|------------------------------------|-------------------------|----------------------------------------|----------------------------------------------|-------------------------|----------------------------------------|
|             | Mfgs. of steel ingots and castings | Mfgs. of steel castings | Iron foundries and miscellaneous users | Mfgs. of steel ingots and castings           | Mfgs. of steel castings | Iron foundries and miscellaneous users |
| Jan. 1959-- | 2,674,204                          | 85,213                  | 380,492                                | 1,490,357                                    | 90,383                  | 415,445                                |
| Feb. 1959-- | 2,771,238                          | 89,710                  | 389,078                                | 1,719,644                                    | 110,442                 | 433,900                                |
| Mar. 1959-- | 3,324,913                          | 105,496                 | 439,343                                | 2,218,698                                    | 129,608                 | 513,368                                |
| Apr. 1959-- | 3,356,592                          | 110,091                 | 452,596                                | 2,085,713                                    | 140,694                 | 529,479                                |
| May 1959--  | 3,386,717                          | 105,144                 | 430,187                                | 1,999,324                                    | 152,144                 | 488,353                                |
| June 1959-- | 3,325,669                          | 110,515                 | 429,480                                | 1,790,576                                    | 154,483                 | 486,765                                |

<sup>1/</sup> Excludes scrap shipped, transferred or otherwise disposed of during the month.

Table 3 - Scrap produced, received, and consumed during June, stocks at consumers plants June 30, 1959, and consumption year-to-date, by grades, in gross tons

| Grades of scrap                      | Home scrap produced | Purchased scrap received |              | Total scrap consumed | Scrap stocks June 30 | Consumption Year-to-date |
|--------------------------------------|---------------------|--------------------------|--------------|----------------------|----------------------|--------------------------|
|                                      |                     | From dealers*            | From others* |                      |                      |                          |
| No. 1 heavy melting steel-----       | 1,660,803           | 410,407                  | 79,598       | 2,145,122            | 2,529,420            | 12,690,134               |
| No. 2 heavy melting steel-----       | 184,315             | 219,569                  | 24,372       | 448,591              | 744,662              | 2,619,742                |
| No. 1 and electric furnace bundles-- | 97,543              | 330,278                  | 100,631      | 487,373              | 837,536              | 3,012,082                |
| No. 2 and all other bundles-----     | 27,575              | 252,545                  | 34,587       | 321,132              | 853,152              | 2,074,553                |
| Low phosphorous scrap-----           | 107,675             | 217,852                  | 24,484       | 354,565              | 475,905              | 2,021,146                |
| Cast iron scrap other than borings-- | 549,197             | 305,689                  | 55,016       | 907,092              | 988,463              | 5,264,890                |
| Turnings and/or borings, alloy free- | 42,693              | 196,555                  | 40,330       | 273,442              | 220,594              | 1,573,078                |
| Rerolling rails-----                 | 30                  | 17,469                   | 20,049       | 37,281               | 117,187              | 249,224                  |
| Scrap rails-----                     | 4,131               | 23,177                   | 670          | 26,126               | 61,259               | 161,824                  |
| High speed steel-----                | 2,358               | 814                      | 259          | 3,575                | 5,424                | 17,700                   |
| Stainless steel-----                 | 42,890              | 19,532                   | 3,267        | 58,944               | 106,682              | 382,841                  |
| All other alloy iron and steel-----  | 152,200             | 28,404                   | 12,320       | 189,299              | 270,682              | 1,133,703                |
| All other prepared scrap-----        | 602,680             | 145,062                  | 33,152       | 841,238              | 585,297              | 4,882,671                |
| Unprepared scrap-----                | 391,574             | 39,977                   | 11,011       | 228,624              | 418,329              | 1,236,707                |
| Total (all grades)-----              | 3,865,664           | 2,207,330                | 439,746      | 6,322,404            | 8,214,592            | 37,320,295               |

\* Includes 215,252 gross tons of scrap shipped, transferred, or otherwise disposed of during the month.

Table 4 - Stocks of ferrous scrap and pig iron on hand at major consuming industries plants, at end of month, in gross tons

| Date            | Scrap stocks                       |                         |                                        | Pig iron stocks |                                    |                         |                                        |
|-----------------|------------------------------------|-------------------------|----------------------------------------|-----------------|------------------------------------|-------------------------|----------------------------------------|
|                 | Mfgs. of steel ingots and castings | Mfgs. of steel castings | Iron foundries and miscellaneous users | Total           | Mfgs. of steel ingots and castings | Mfgs. of steel castings | Iron foundries and miscellaneous users |
| Jan. 31, 1959-- | 7,172,318                          | 387,775                 | 770,820                                | 8,330,913       | 3,022,110                          | 36,084                  | 419,412                                |
| Feb. 28, 1959-- | 7,062,756                          | 378,494                 | 755,782                                | 8,197,032       | 2,827,861                          | 37,816                  | 430,505                                |
| Mar. 31, 1959-- | 7,091,280                          | 366,923                 | 784,733                                | 8,242,936       | 2,668,774                          | 38,125                  | 465,100                                |
| Apr. 30, 1959-- | 7,123,652                          | 358,332                 | 793,793                                | 8,275,777       | 2,522,156                          | 41,060                  | 532,040                                |
| May 31, 1959--  | 7,040,759                          | 360,989                 | 797,533                                | 8,199,281       | 2,460,951                          | 50,356                  | 606,718                                |
| June 30, 1959-- | 7,062,885                          | 362,899                 | 788,808                                | 8,214,592       | 2,280,171                          | 62,350                  | 721,536                                |
|                 |                                    |                         |                                        |                 |                                    |                         | Total                                  |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,477,606                              |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,296,182                              |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,171,999                              |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,095,256                              |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,118,025                              |
|                 |                                    |                         |                                        |                 |                                    |                         | 3,064,057                              |

DEALERS, BROKERS, AND AUTOMOBILE WRECKERS FOR JUNE 1959

The 869 identical companies reporting for May and June indicated that at the end of June, stocks of ferrous scrap in their yards had decreased slightly from the end of May. During June, receipts and shipments increased 4 and 1 percent, respectively. Receipts in June were 29 percent less than shipments. Of the scrap handled during June, six grades (No. 1 and No. 2 heavy melting steel, No. 1 and electric furnace bundles, No. 2 and all other bundles, low phosphorous and cast iron scrap other than borings) represented 68 percent of the total shipments and 43 percent of the stocks on hand June 30. Unprepared scrap stocks held in dealers and automobile wreckers yards at the end of June constituted 45 percent of the total.

Table 5 -- Dealers, brokers, and automobile wreckers, receipts, shipments, and stocks of ferrous scrap, for June 1959, in gross tons

|                                          | Receipts during month |                                      | Shipments <sup>1/</sup> during month |            | Stocks       |                                             |
|------------------------------------------|-----------------------|--------------------------------------|--------------------------------------|------------|--------------|---------------------------------------------|
|                                          | June 1959             | Change from previous month (percent) | To domestic consumers                | For export | June 30 1959 | Change from end of previous month (percent) |
| No. 1 heavy melting steel-----           | 44,575                | + 1                                  | 101,266                              | 43,943     | 102,758      | -12                                         |
| No. 2 heavy melting steel-----           | 71,466                | +23                                  | 74,476                               | 40,879     | 137,628      | + 2                                         |
| No. 1 and electric furnace bundles-----  | 13,437                | +69                                  | 38,970                               | 7,129      | 12,870       | -30                                         |
| No. 2 and all other bundles-----         | 55,203                | +27                                  | 81,153                               | 22,431     | 181,313      | + 2                                         |
| Low phosphorous scrap-----               | 13,591                | +12                                  | 35,746                               | 1,853      | 32,371       | + 2                                         |
| Cast iron scrap other than borings-----  | 44,171                | + 4                                  | 69,868                               | 2,663      | 61,393       | - 1                                         |
| Turnings and/or borings, alloy free----- | 17,995                | - 4                                  | 32,213                               | 78         | 63,125       | + 4                                         |
| Rerolling rails-----                     | 913                   | -33                                  | 2,379                                | -          | 10,735       | - 4                                         |
| Scrap rails-----                         | 5,127                 | +80                                  | 4,504                                | 55         | 18,122       | + 3                                         |
| Highspeed steel-----                     | 45                    | -24                                  | 30                                   | -          | 113          | +15                                         |
| Stainless steel-----                     | 4,358                 | - 5                                  | 4,767                                | 38         | 4,895        | - 6                                         |
| All other alloy iron and steel-----      | 1,474                 | +52                                  | 3,188                                | -          | 3,007        | + 8                                         |
| All other prepared scrap-----            | 11,770                | +28                                  | 35,952                               | 36,113     | 51,421       | +12                                         |
| Unprepared scrap-----                    | 253,251               | - 6                                  | 111,576                              | 8,426      | 549,857      | 2/                                          |
| Total (all grades)-----                  | 537,376               | + 4                                  | 596,088                              | 163,608    | 1,229,608    | 3/                                          |

- 1/ Includes shipments from yards, and direct shipments by dealers and brokers from other than yard operations.  
2/ Less than 1 percent increase.  
3/ Less than 1 percent decrease.

# CONSUMPTION OF FERROUS SCRAP AND PIG IRON

Consumption of scrap in June totaled 6,322,404 gross tons which was at an average daily rate of 210,747 tons or 53 percent greater than for the year 1958.

In June, open-hearth furnaces used 60 percent of the total scrap, and 84 percent of the pig iron compared with 61 and 84 percent, respectively, in May; electric furnaces in June used 8 percent of the combined total of ferrous scrap and pig iron charged to all furnaces, with open-hearth using 72 percent. During 1958, these percentages were 7 and 73, respectively. Blast furnaces used 6 percent of the total scrap; the corresponding percentage for the year 1958 was 5.

During June, steelmaking furnaces (open-hearth, Bessemer, oxygen steel process, and electric) accounted for 77 percent of the total scrap, and 90 percent of the pig iron consumed, compared with 78 and 90 percent, respectively, during May. In 1958, steelmaking furnaces used 76 percent of the total scrap, and 90 percent of the pig iron. The remainder was used in iron-making furnaces, principally the cupola. Consumption by types of furnace during June is shown in the following table:

Table 6 - Consumption of ferrous scrap and pig iron by manufacturers of ingots, steel castings and iron foundries during June 1959, by type of furnace, in gross tons

| Type of furnace or equipment    | Steel ingots and castings 1/ |           | Steel castings 2/ |          | Iron foundries and miscellaneous users |          | Total     |           |
|---------------------------------|------------------------------|-----------|-------------------|----------|----------------------------------------|----------|-----------|-----------|
|                                 | Scrap                        | Pig iron  | Scrap             | Pig iron | Scrap                                  | Pig iron | Scrap     | Pig iron  |
| Open-hearth-----                | 3,749,199                    | 5,513,211 | 51,355            | 9,255    | -                                      | -        | 3,800,554 | 5,522,466 |
| Basic oxygen process-----       | 73,622                       | 195,029   | -                 | -        | -                                      | -        | 73,622    | 195,029   |
| Bessemer-----                   | 18,600                       | 175,655   | 649               | 51       | 203                                    | 35       | 19,452    | 175,741   |
| Electric 3/-----                | 843,391                      | 35,393    | 139,836           | 2,555    | 14,694                                 | 1,919    | 997,921   | 39,867    |
| Total steelmaking furnaces----- | 4,684,812                    | 5,919,288 | 191,840           | 11,861   | 14,897                                 | 1,954    | 4,891,549 | 5,933,103 |
| Cupola-----                     | 71,158                       | 46,405    | 42,021            | 1,844    | 772,318                                | 317,887  | 885,497   | 366,136   |
| Air-----                        | 2,941                        | 1,075     | 29,750            | 4,453    | 71,992                                 | 14,862   | 104,683   | 20,390    |
| Blast 4/-----                   | 355,215                      | -         | -                 | -        | -                                      | -        | 355,215   | -         |
| Direct casting-----             | -                            | 147,591   | -                 | -        | -                                      | 118,842  | -         | 266,433   |
| Ferro-alloy-----                | -                            | -         | -                 | -        | 21,090                                 | -        | 21,090    | -         |
| Miscellaneous-----              | 17,893                       | -         | -                 | -        | 46,477                                 | -        | 64,370    | -         |
| Total June 1959-----            | 5,132,019                    | 6,114,359 | 263,611           | 18,158   | 926,774                                | 453,545  | 6,322,404 | 6,586,062 |
| Total May 1959-----             | 5,468,703                    | 6,400,158 | 256,307           | 16,732   | 917,562                                | 450,967  | 6,642,572 | 6,867,857 |
| Total April 1959-----           | 5,409,522                    | 6,177,722 | 260,939           | 16,486   | 974,444                                | 458,708  | 6,644,905 | 6,652,916 |
| Total March 1959-----           | 5,504,795                    | 6,340,149 | 247,534           | 15,299   | 925,170                                | 442,605  | 6,677,499 | 6,798,053 |
| Total February 1959-----        | 4,611,586                    | 5,216,578 | 210,810           | 12,947   | 835,477                                | 398,428  | 5,657,873 | 5,627,953 |
| Total January 1959-----         | 4,351,939                    | 5,208,421 | 201,285           | 11,981   | 821,818                                | 389,107  | 5,375,042 | 5,609,509 |

- 1/ Includes only those castings made by companies producing steel ingots.
- 2/ Excludes companies that produce both steel castings and steel ingots.
- 3/ Includes crucible furnaces.
- 4/ Includes consumption in all blast furnaces producing pig iron.

Table 7 - Consumers' production, receipts, consumption, and stocks of ferrous scrap, and consumption of pig iron in the United States, by State and Region, in gross tons

| State and region                                     | Scrap                  |                                |           | Scrap stocks<br>June 30, 1959 | Pig iron<br>consumed |
|------------------------------------------------------|------------------------|--------------------------------|-----------|-------------------------------|----------------------|
|                                                      | Home scrap<br>produced | Purchased<br>scrap<br>received | Consumed  |                               |                      |
| United States, total-----                            | 3,865,664              | 2,647,076 <sup>1/</sup>        | 6,322,404 | 8,214,592                     | 6,586,062            |
| New England, total-----                              | 18,913                 | 20,201                         | 39,535    | 48,145                        | 12,837               |
| Connecticut-----                                     | 5,726                  | 4,238                          | 10,786    | 12,450                        | 2,493                |
| Maine and New Hampshire-----                         | 585                    | 835                            | 1,581     | 1,292                         | 334                  |
| Massachusetts-----                                   | 9,259                  | 10,045                         | 17,940    | 26,032                        | 5,676                |
| Rhode Island-----                                    | 2,571                  | 4,538                          | 7,616     | 7,316                         | 3,728                |
| Vermont-----                                         | 772                    | 545                            | 1,612     | 1,055                         | 606                  |
| Middle Atlantic, total-----                          | 1,140,620              | 692,567                        | 1,776,242 | 2,295,962                     | 2,090,535            |
| New Jersey-----                                      | 15,834                 | 34,780                         | 55,320    | 61,123                        | 15,970               |
| New York-----                                        | 170,776                | 139,082                        | 304,407   | 548,786                       | 323,087              |
| Pennsylvania (East) 2/-----                          | 235,328                | 187,911                        | 457,256   | 612,413                       | 464,900              |
| Pennsylvania (West)-----                             | 718,682                | 330,794                        | 959,259   | 1,073,640                     | 1,286,578            |
| East North Central, total-----                       | 1,840,084              | 1,181,485                      | 2,947,239 | 3,404,569                     | 2,991,265            |
| Illinois-----                                        | 342,158                | 266,778                        | 604,750   | 813,803                       | 511,976              |
| Indiana-----                                         | 468,016                | 229,615                        | 662,001   | 1,006,332                     | 828,854              |
| Michigan-----                                        | 265,922                | 234,958                        | 500,444   | 382,775                       | 400,353              |
| Ohio (East) 2/-----                                  | 619,188                | 329,025                        | 938,071   | 817,403                       | 1,061,940            |
| Ohio (West)-----                                     | 99,142                 | 80,460                         | 167,828   | 331,365                       | 167,543              |
| Wisconsin-----                                       | 45,658                 | 40,649                         | 74,145    | 52,891                        | 20,599               |
| West North Central, total-----                       | 57,717                 | 103,884                        | 170,970   | 338,755                       | 60,169               |
| Iowa-----                                            | 12,570                 | 19,024                         | 31,092    | 32,267                        | 7,157                |
| Kansas and Nebraska-----                             | 4,513                  | 8,773                          | 13,429    | 10,997                        | 412                  |
| Minnesota-----                                       | 22,173                 | 22,845                         | 41,404    | 120,978                       | 47,097               |
| Missouri-----                                        | 18,461                 | 53,242                         | 85,045    | 174,513                       | 5,503                |
| South Atlantic, total-----                           | 314,583                | 148,109                        | 416,562   | 513,779                       | 600,769              |
| Delaware, District of<br>Columbia, and Maryland----- | 239,312                | 66,487                         | 287,703   | 286,621                       | 410,582              |
| Florida and Georgia-----                             | 7,263                  | 23,066                         | 24,445    | 16,378                        | 1,071                |
| North Carolina-----                                  | 1,876                  | 3,496                          | 5,197     | 3,705                         | 1,865                |
| South Carolina-----                                  | 1,076                  | 676                            | 2,271     | 2,638                         | 1,345                |
| Virginia and West Virginia-----                      | 65,056                 | 54,384                         | 96,946    | 204,437                       | 185,906              |
| East South Central, total-----                       | 199,222                | 198,621                        | 363,503   | 448,820                       | 410,937              |
| Alabama-----                                         | 139,931                | 124,890                        | 227,126   | 263,787                       | 329,739              |
| Kentucky, Mississippi, and<br>Tennessee-----         | 59,291                 | 73,731                         | 136,377   | 185,033                       | 81,198               |
| West South Central, total-----                       | 68,659                 | 87,235                         | 169,587   | 334,200                       | 69,776               |
| Arkansas, Louisiana, and<br>Oklahoma-----            | 4,150                  | 13,686                         | 22,080    | 11,880                        | 623                  |
| Texas-----                                           | 64,509                 | 73,549                         | 147,507   | 322,320                       | 69,153               |
| Rocky Mountain, total-----                           | 101,359                | 72,394                         | 153,292   | 258,527                       | 196,164              |
| Arizona and Nevada-----                              | 2,142                  | 6,235                          | 7,279     | 18,943                        | 19                   |
| Colorado and Utah-----                               | 98,801                 | 64,628                         | 144,413   | 233,886                       | 196,131              |
| Idaho and Montana-----                               | 416                    | 1,531                          | 1,600     | 5,698                         | 14                   |
| Pacific Coast, total-----                            | 124,507                | 142,580                        | 285,474   | 571,835                       | 153,610              |
| California-----                                      | 114,578                | 112,846                        | 241,233   | 438,663                       | 153,269              |
| Oregon-----                                          | 3,364                  | 9,674                          | 16,688    | 38,561                        | 94                   |
| Washington-----                                      | 6,565                  | 20,060                         | 27,553    | 94,611                        | 247                  |

1/ Includes 215,252 gross tons that was shipped, transferred or otherwise disposed of during the month.

2/ Pennsylvania is divided into East and West by the eastern boundary of the following counties: McKean, Cameron, Clearfield, Cambria, and Somerset.

3/ Ohio is divided into East and West by the eastern boundary of the following counties: Ottawa, Sandusky, Seneca, Crawford, Morrow, Delaware, Franklin, Pickaway, Ross, Pike, and Scioto.

Table 8 - Consumption of ferrous scrap and pig iron in open-hearth furnaces in the United States, by State and Region, in gross tons

| State and region                                    | Consumption during June 1959 |           |              |
|-----------------------------------------------------|------------------------------|-----------|--------------|
|                                                     | Total scrap                  | Pig iron  | Total charge |
| United States, total-----                           | 3,800,554                    | 5,522,466 | 9,323,020    |
| New England and Middle Atlantic, total---           | 1,283,567                    | 1,822,199 | 3,105,766    |
| Massachusetts, New Jersey, and<br>Rhode Island----- | 21,439                       | 5,905     | 27,344       |
| New York-----                                       | 223,750                      | 309,471   | 533,221      |
| Pennsylvania (East)-----                            | 341,060                      | 421,998   | 763,058      |
| Pennsylvania (West)-----                            | 697,318                      | 1,084,825 | 1,782,143    |
| East North Central, total-----                      | 1,687,954                    | 2,458,502 | 4,146,456    |
| Illinois-----                                       | 317,624                      | 407,080   | 724,704      |
| Indiana-----                                        | 583,338                      | 805,036   | 1,388,374    |
| Michigan and Wisconsin-----                         | 164,569                      | 250,377   | 414,946      |
| Ohio (East)-----                                    | 551,415                      | 843,219   | 1,394,634    |
| Ohio (West)-----                                    | 71,008                       | 152,790   | 223,798      |
| West North Central, total-----                      | 56,888                       | 46,044    | 102,932      |
| Minnesota and Missouri-----                         | 56,888                       | 46,044    | 102,932      |
| South Atlantic, total-----                          | 308,506                      | 582,244   | 890,750      |
| Delaware, Maryland, and West Virginia--             | 308,506                      | 582,244   | 890,750      |
| East and West South Central, total-----             | 219,619                      | 359,638   | 579,257      |
| Alabama, Kentucky, Tennessee, and<br>Texas-----     | 219,619                      | 359,638   | 579,257      |
| Rocky Mountain and Pacific Coast, total--           | 244,020                      | 253,839   | 497,859      |
| California, Colorado, and Utah-----                 | 244,020                      | 253,839   | 497,859      |

FOREIGN TRADE 1/

According to the Bureau of the Census, exports of ferrous scrap totaled 365,502 gross tons in June and 375,164 tons in May. During July 1959, the Office of Export Supply, United States Department of Commerce, issued scrap export licenses for 636,292 gross tons. Exports of pig iron during June totaled 1,554 tons and 88 tons in May. Imports of scrap totaled 31,065 gross tons in June compared with 30,593 tons in May. Imports of pig iron totaled 60,554 gross tons in June and 74,610 tons in May. In addition to the foregoing imports of pig iron during June, there was 112 tons of sponge iron, valued at \$24,522, imported, of which 103 tons came from Canada and 9 tons from Sweden.

Table 9 - Imports 2/ of ferrous scrap into the United States,  
by countries  
(U. S. Department of Commerce)

| Country             | June 1959  |             | Jan. through June 1959 |             |
|---------------------|------------|-------------|------------------------|-------------|
|                     | Gross tons | Value       | Gross tons             | Value       |
| Canada-----         | 24,838     | \$945,477   | 103,582                | \$3,994,058 |
| Cuba-----           | 260        | 1,171       | 1,448                  | 19,648      |
| France-----         | 50         | 10,061      | 2,188                  | 164,836     |
| Japan-----          | 16         | 868         | 81                     | 25,204      |
| United Kingdom----- | 348        | 20,233      | 8,249                  | 379,917     |
| West Germany-----   | -          | -           | 3,463                  | 238,808     |
| All others-----     | 5,553      | 336,654     | 16,235                 | 974,141     |
| Total-----          | 31,065     | \$1,314,464 | 135,246                | \$5,796,612 |

Table 10 - Exports 2/ of ferrous scrap from the United States, by countries  
(U. S. Department of Commerce)

| Country         | June 1959  |              | Jan. through June 1959 |              |
|-----------------|------------|--------------|------------------------|--------------|
|                 | Gross tons | Value        | Gross tons             | Value        |
| Argentina-----  | 215        | \$21,354     | 1,399                  | \$106,207    |
| Canada-----     | 31,035     | 1,173,169    | 224,862                | 9,106,537    |
| Greece-----     | 289        | 32,400       | 1,280                  | 199,038      |
| Italy-----      | 18,475     | 567,476      | 59,051                 | 1,786,618    |
| Japan-----      | 249,653    | 9,380,761    | 1,132,083              | 41,101,709   |
| Mexico-----     | 31,698     | 1,101,595    | 157,170                | 5,791,689    |
| Nicaragua-----  | -          | -            | 1,917                  | 66,927       |
| Spain-----      | 2,881      | 121,106      | 56,028                 | 2,245,751    |
| Taiwan-----     | 9,828      | 527,523      | 31,180                 | 1,242,245    |
| All others----- | 21,428     | 601,859      | 35,614                 | 1,372,097    |
| Total-----      | 365,502    | \$13,527,243 | 1,700,584              | \$63,018,818 |

Table 11 - Exports 2/ of ferrous scrap from the United States, by grades  
(U. S. Department of Commerce)

|                                       | June 1959  |              | Jan. through June 1959 |              |
|---------------------------------------|------------|--------------|------------------------|--------------|
|                                       | Gross tons | Value        | Gross tons             | Value        |
| No. 1 heavy melting steel scrap-----  | 144,580    | \$5,876,407  | 639,829                | \$25,358,469 |
| No. 2 heavy melting steel scrap-----  | 87,305     | 3,190,458    | 456,609                | 16,368,021   |
| No. 1 baled sheet melting scrap-----  | 4,647      | 205,833      | 56,214                 | 2,366,326    |
| No. 2 baled sheet melting scrap-----  | 72,562     | 2,082,737    | 262,360                | 6,928,360    |
| Borings, shoveling, and turnings----- | 4,794      | 139,312      | 32,524                 | 840,474      |
| Iron scrap-----                       | 38,573     | 1,337,516    | 183,729                | 7,278,991    |
| Rerolling material-----               | 3,609      | 243,912      | 11,569                 | 848,616      |
| All other scrap 3/-----               | 9,432      | 451,068      | 57,750                 | 3,029,561    |
| Total-----                            | 365,502    | \$13,527,243 | 1,700,584              | \$63,018,818 |

1/ To conform with other data in this report foreign trade data include tin plate scrap.

2/ Preliminary data subject to revision. Value may differ widely because of variations in quality, classes, and grade combinations.

3/ Includes terne plate, tin plate, circles, cobbles, strip, and scroll shear butts.