

# Mineral Industry Surveys

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## ALUMINUM IN JANUARY 2012

Domestic primary aluminum production in January 2012 was 178,000 metric tons (t). The average daily production was 5,760 t, essentially the same as that for the previous month and 18% higher than that for January 2011.

Total aluminum recovered from scrap in January 2012 was 256,000 t, 10% more than the amount recovered in the previous month and 5% more than the amount recovered in January 2011. Of this, 141,000 t of aluminum was recovered from new scrap, 16% more than the amount in the previous month and the same as that in January 2011. Aluminum recovered from old scrap in January 2012 totaled 115,000 t, 4% more than the amount in December 2011 and 10% more than the amount in January 2011.

Total imports of aluminum (table 8) in 2011 increased by 4% compared with those of 2010. Imports of crude metal and alloys increased by 7%, imports of semifabricated aluminum products decreased by 9%, and imports of aluminum scrap increased by 15%. The leading sources of total aluminum products in 2011 were Canada (60%), the United Arab Emirates (6%), and Russia (5%). Imports of crude metal and alloys from Canada accounted for 44% of all aluminum imports during the year.

Total exports of aluminum (table 9) increased by 13% during 2011 compared with those of 2010. Exports of crude metal and alloys increased by 11%, exports of semifabricated aluminum products increased by 14%, and exports of aluminum scrap increased by 12%. The leading destinations of total aluminum products in 2011 were China (43%), Canada (18%), and Mexico

(18%). Exports of scrap to China accounted for 42% of all aluminum exports during the year.

### Update

The labor dispute and employee lockout that started January 1 at Rio Tinto's 438,000-metric-ton-per-year Alma smelter at Saguenay-Lac-Saint-Jean, Quebec, Canada, continued through February with two-thirds of the smelter's capacity remaining shut down. (See Aluminum in November 2011.) Negotiations with the union representing employees at the smelter remained stalled. The shutdown was having a noticeable impact on the availability of wire rod in the United States. The Alma smelter has about one-quarter of the aluminum wire rod capacity in North America, and wire manufacturers were seeking material imported from Iceland, the Middle East, and South America (Waite, 2012).

The upward trend of the monthly average U.S. market price of primary aluminum ingot continued, with the monthly average price increasing to \$1.034 per pound in January 2012 from \$0.982 per pound in December 2011. The monthly average price in February 2012 increased to \$1.07 per pound.

### Reference Cited

Waite, Suzy, 2012, Wire rod concerns mount as Alma dispute continues: American Metal Market, v. 120, no. 8-4, February 24, p. 2.

TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY<sup>1</sup>

(Thousand metric tons)

| Period        | Primary production | Secondary recovery <sup>2</sup> |       |       | Imports for consumption  |                            |       | Total new supply <sup>3</sup> | Stocks, end of period <sup>4</sup> |
|---------------|--------------------|---------------------------------|-------|-------|--------------------------|----------------------------|-------|-------------------------------|------------------------------------|
|               |                    | New                             | Old   | Total | Metals and alloys, crude | Plates, sheets, bars, etc. | Total |                               |                                    |
|               |                    |                                 |       |       |                          |                            |       |                               |                                    |
| 2011          | 1,986              | 1,620                           | 1,400 | 3,020 | 2,830                    | 880                        | 3,710 | 8,710                         | 1,060                              |
| 2011:         |                    |                                 |       |       |                          |                            |       |                               |                                    |
| January       | 152                | 141                             | 104   | 245   | 211                      | 64                         | 276   | 672                           | 1,050                              |
| February      | 140                | 132                             | 107   | 239   | 212                      | 63                         | 275   | 653                           | 1,060                              |
| March         | 162                | 138                             | 122   | 260   | 232                      | 75                         | 307   | 728                           | 1,070                              |
| April         | 162                | 135                             | 117   | 252   | 220                      | 68                         | 288   | 702                           | 1,110                              |
| May           | 170                | 137                             | 123   | 260   | 285                      | 73                         | 358   | 787                           | 1,100                              |
| June          | 167                | 137                             | 122   | 259   | 263                      | 74                         | 337   | 763                           | 1,090                              |
| July          | 171                | 136                             | 121   | 257   | 220                      | 70                         | 290   | 719                           | 1,100                              |
| August        | 172                | 144                             | 123   | 268   | 241                      | 85                         | 327   | 766                           | 1,090                              |
| September     | 169                | 135                             | 119   | 254   | 263                      | 86                         | 349   | 771                           | 1,080                              |
| October       | 175                | 137 <sup>r</sup>                | 118   | 254   | 243                      | 78                         | 321   | 751                           | 1,060                              |
| November      | 171                | 127                             | 112   | 238   | 192                      | 74                         | 266   | 676                           | 1,050                              |
| December      | 177                | 122                             | 111   | 233   | 245                      | 70                         | 315   | 725                           | 1,060                              |
| 2012, January | 178                | 141                             | 115   | 256   | NA                       | NA                         | NA    | NA                            | NA                                 |

<sup>r</sup>Revised. NA Not available.

<sup>1</sup>Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

<sup>2</sup>Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

<sup>3</sup>Primary production, secondary recovery, and imports for consumption.

<sup>4</sup>Inventory levels reflect total for both U.S. and Canadian producers; data from the Aluminum Association Inc.

TABLE 2  
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM  
PURCHASED NEW AND OLD ALUMINUM SCRAP<sup>1</sup>

(Thousand metric tons)

| Period        | Secondary smelters |                | Independent mill fabricators |                | Foundries     |                | Other consumers |                | Total         |                |
|---------------|--------------------|----------------|------------------------------|----------------|---------------|----------------|-----------------|----------------|---------------|----------------|
|               | Con-sump-tion      | Metal recovery | Con-sump-tion                | Metal recovery | Con-sump-tion | Metal recovery | Con-sump-tion   | Metal recovery | Con-sump-tion | Metal recovery |
|               |                    |                |                              |                |               |                |                 |                |               |                |
| 2011          | 2,230              | 1,660          | 1,430                        | 1,300          | 61            | 53             | 8               | 8              | 3,730         | 3,020          |
| 2011:         |                    |                |                              |                |               |                |                 |                |               |                |
| January       | 176                | 131            | 119                          | 109            | 5             | 4              | 1               | 1              | 301           | 245            |
| February      | 175                | 131            | 113                          | 103            | 5             | 4              | 1               | 1              | 294           | 239            |
| March         | 187                | 140            | 126                          | 115            | 5             | 4              | 1               | 1              | 319           | 260            |
| April         | 179                | 132            | 127                          | 115            | 5             | 4              | 1               | 1              | 311           | 252            |
| May           | 187                | 138            | 128                          | 116            | 5             | 4              | 1               | 1              | 321           | 260            |
| June          | 187                | 140            | 126                          | 114            | 5             | 4              | 1               | 1              | 319           | 259            |
| July          | 187                | 139            | 125                          | 113            | 5             | 4              | 1               | 1              | 317           | 257            |
| August        | 193                | 145            | 129                          | 117            | 5             | 4              | 1               | 1              | 328           | 268            |
| September     | 189                | 141            | 119                          | 107            | 5             | 4              | 1               | 1              | 313           | 254            |
| October       | 193                | 144            | 117                          | 106            | 5             | 4              | 1               | 1              | 316           | 256            |
| November      | 187                | 140            | 104                          | 94             | 5             | 4              | 1               | 1              | 296           | 238            |
| December      | 185                | 138            | 100                          | 90             | 5             | 4              | 1               | 1              | 290           | 233            |
| 2012, January | 198                | 144            | 119                          | 108            | 5             | 4              | 1               | 1              | 323           | 256            |

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 3  
CONSUMPTION OF AND RECOVERY FROM PURCHASED  
NEW AND OLD ALUMINUM SCRAP IN JANUARY 2012<sup>1</sup>

(Metric tons)

|                              | Consumption       |                         | Calculated metallic recovery |                         |
|------------------------------|-------------------|-------------------------|------------------------------|-------------------------|
|                              | Tabulated reports | Estimated full coverage | Tabulated reports            | Estimated full coverage |
| Secondary smelters           | 165,000           | 198,000                 | 120,000                      | 144,000                 |
| Independent mill fabricators | 108,000           | 119,000                 | 97,900                       | 108,000                 |
| Foundries                    | 4,220             | 5,070                   | 3,690                        | 4,420                   |
| Other consumers              | 482               | 579                     | 481                          | 577                     |
| Total                        | 278,000           | 323,000                 | 222,000                      | 256,000                 |

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED  
PIG IN JANUARY 2012<sup>1</sup>

(Metric tons)

|                                       | January                      |                           |                    |                 |
|---------------------------------------|------------------------------|---------------------------|--------------------|-----------------|
|                                       | Stocks, opening <sup>2</sup> | Net receipts <sup>3</sup> | Melted or consumed | Stocks, closing |
| New scrap:                            |                              |                           |                    |                 |
| Extrusion                             | 20,800                       | 35,700                    | 35,500             | 21,100          |
| Can stock clippings                   | 29,300                       | 21,300                    | 19,300             | 31,400          |
| Other wrought sheet/clippings         | 13,300                       | 36,700                    | 39,600             | 10,400          |
| Casting                               | 2,130                        | 5,350                     | 5,450              | 2,030           |
| Borings and turnings                  | 3,660                        | 11,100                    | 11,000             | 3,720           |
| Dross and skimmings                   | 13,200                       | 51,900                    | 52,000             | 13,200          |
| Total new scrap                       | 82,400                       | 162,000                   | 163,000            | 81,700          |
| Old scrap:                            |                              |                           |                    |                 |
| Used castings                         | 8,270                        | 25,800                    | 26,700             | 7,310           |
| Used extrusion                        | 7,860                        | 10,200                    | 9,900              | 8,180           |
| Used cans (shredded, loose, baled)    | 48,800                       | 55,400                    | 51,800             | 52,400          |
| Other wrought products                | 5,640                        | 23,300                    | 21,300             | 7,670           |
| Fragmentized shredder (auto shredder) | 958                          | 5,380                     | 5,420              | 921             |
| Total old scrap                       | 71,500                       | 120,000                   | 115,000            | 76,500          |
| Sweated pig                           | 89                           | 147                       | 147                | 89              |
| Total all classes                     | 154,000                      | 282,000                   | 278,000            | 158,000         |

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED  
STATES FOR 2012<sup>1,2</sup>

(Metric tons)

|                                                                                                                                    | January                         |            |                  | Stocks,<br>closing |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------|------------------|--------------------|
|                                                                                                                                    | Stocks,<br>opening <sup>3</sup> | Production | Net<br>shipments |                    |
| <b>Die-cast alloys:</b>                                                                                                            |                                 |            |                  |                    |
| 13% Si, 360, etc. (0.6% Cu, max.)                                                                                                  | 1,100                           | 2,190      | 2,290            | 1,010              |
| 380 and variations                                                                                                                 | 2,340                           | 14,100     | 14,100           | 2,340              |
| <b>Sand and permanent mold:</b>                                                                                                    |                                 |            |                  |                    |
| 95/5 Al-Si, 356, etc. (0.6% Cu, max.)                                                                                              | 2,570                           | 1,710      | 1,710            | 2,570              |
| No. 319 and variations                                                                                                             | 2,180                           | 4,410      | 4,420            | 2,170              |
| F-132 alloy and variations                                                                                                         | 939                             | 596        | 596              | 939                |
| Al-Zn alloys                                                                                                                       | 278                             | 130        | 130              | 278                |
| Al-Si alloys (0.6% to 2.0% Cu)                                                                                                     | 391                             | 175        | 175              | 391                |
| Al-Cu alloys (1.5% Si, max.)                                                                                                       | 48                              | 34         | 34               | 48                 |
| Other <sup>4</sup>                                                                                                                 | 3,160                           | 10,300     | 10,400           | 3,150              |
| Wrought alloys, extrusion billets                                                                                                  | 15,900                          | 37,600     | 37,400           | 16,100             |
| Total all alloys                                                                                                                   | 28,900                          | 71,300     | 71,200           | 28,900             |
| <b>Less:</b>                                                                                                                       |                                 |            |                  |                    |
| Primary aluminum consumed                                                                                                          | XX                              | 11,200     | XX               | XX                 |
| Primary silicon consumed                                                                                                           | XX                              | 1,460      | XX               | XX                 |
| Other alloying ingredients consumed                                                                                                | XX                              | 980        | XX               | XX                 |
| Net metallic recovery from aluminum<br>scrap and sweated pig consumed in<br>production of secondary aluminum<br>ingot <sup>5</sup> | XX                              | 57,700     | XX               | XX                 |

XX Not applicable.

<sup>1</sup>Excludes integrated aluminum companies.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>May include revisions to previously published data.

<sup>4</sup>Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

<sup>5</sup>No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6  
AVERAGE PRICE OF ALUMINUM IN THE UNITED STATES  
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

| Period           | Midwest U.S.<br>market<br>price | LME<br>cash price<br>Grade A |
|------------------|---------------------------------|------------------------------|
| 2011:            |                                 |                              |
| January          | 116.313                         | 110.638                      |
| February         | 119.438                         | 113.752                      |
| March            | 121.800                         | 115.767                      |
| April            | 128.313                         | 120.762                      |
| May              | 126.063                         | 117.558                      |
| June             | 124.350                         | 115.896                      |
| July             | 121.625                         | 113.926                      |
| August           | 116.563                         | 108.508                      |
| September        | 112.400                         | 104.160                      |
| October          | 105.875                         | 98.515                       |
| November         | 102.563                         | 94.038                       |
| December         | 98.150                          | 91.694                       |
| January–December | 116.121                         | 108.768                      |
| 2012, January    | 103.375                         | 104.728                      |

Source: Platts Metals Week.

TABLE 7  
AVERAGE BUYING PRICES FOR ALUMINUM SCRAP

(Cents per pound)

| Month            | Used beverage<br>cans | Mixed low<br>copper clips | Old sheet<br>and cast | Turnings<br>(clean and dry) |
|------------------|-----------------------|---------------------------|-----------------------|-----------------------------|
| 2011:            |                       |                           |                       |                             |
| January          | 86.78                 | 82.23                     | 76.53                 | 73.53                       |
| February         | 89.11                 | 85.34                     | 79.95                 | 78.08                       |
| March            | 90.96                 | 87.07                     | 81.96                 | 81.00                       |
| April            | 96.07                 | 87.19                     | 82.83 <sup>1</sup>    | 81.93                       |
| May              | 94.71                 | 86.10                     | 80.69 <sup>1</sup>    | 79.31                       |
| June             | 94.05                 | 84.50                     | 79.30 <sup>1</sup>    | 79.11                       |
| July             | 90.95                 | 84.55                     | 79.43 <sup>1</sup>    | 79.00                       |
| August           | 86.54                 | 83.91                     | 77.56 <sup>1</sup>    | 76.87                       |
| September        | 83.07                 | 80.64                     | 74.27 <sup>1</sup>    | 73.64                       |
| October          | 78.07                 | 74.88                     | 70.13 <sup>1</sup>    | 68.90                       |
| November         | 76.63                 | 73.85                     | 69.10 <sup>1</sup>    | 68.60                       |
| December         | 73.18                 | 73.03                     | 69.01 <sup>1</sup>    | 68.13                       |
| January–December | 86.68                 | 81.94                     | 76.73                 | 75.68                       |
| 2012, January    | 77.30                 | 75.60                     | 71.63 <sup>1</sup>    | 69.88                       |

<sup>1</sup>Beginning in April 2011, old sheet and old cast were reported separately. The average of the two prices is presented in this table.

Source: American Metal Market.

TABLE 8  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN DECEMBER 2011<sup>1</sup>

(Metric tons)

| Country              | Metals and alloys, crude |                      | Plates, sheets, bars, etc. |                      | Scrap    |                      | Total    |                      |
|----------------------|--------------------------|----------------------|----------------------------|----------------------|----------|----------------------|----------|----------------------|
|                      | December                 | January–<br>December | December                   | January–<br>December | December | January–<br>December | December | January–<br>December |
| Argentina            | 10,700                   | 106,000              | --                         | 14                   | --       | --                   | 10,700   | 106,000              |
| Australia            | 6,310                    | 33,700               | (2)                        | 72                   | --       | 38                   | 6,310    | 33,800               |
| Austria              | (2)                      | 14                   | 2,140                      | 19,500               | --       | --                   | 2,140    | 19,500               |
| Bahamas, The         | --                       | --                   | --                         | --                   | 309      | 3,510                | 309      | 3,510                |
| Bahrain              | --                       | 40                   | 1,730                      | 19,300               | --       | --                   | 1,730    | 19,300               |
| Belgium              | 19                       | 340                  | 140                        | 1,480                | 38       | 284                  | 197      | 2,100                |
| Brazil               | 2,090                    | 36,300               | 2,140                      | 20,300               | --       | 74                   | 4,230    | 56,700               |
| Canada               | 169,000                  | 1,880,000            | 19,000                     | 312,000              | 28,300   | 357,000              | 216,000  | 2,550,000            |
| Chile                | --                       | --                   | --                         | --                   | 136      | 2,630                | 136      | 2,630                |
| China                | 55                       | 1,550                | 7,350                      | 144,000              | 1        | 121                  | 7,400    | 146,000              |
| Colombia             | 92                       | 254                  | 139                        | 3,320                | 22       | 105                  | 253      | 3,680                |
| Costa Rica           | --                       | 22                   | --                         | 47                   | 279      | 4,150                | 279      | 4,220                |
| Egypt                | (2)                      | (2)                  | 547                        | 5,000                | --       | --                   | 547      | 5,000                |
| El Salvador          | --                       | --                   | --                         | 16                   | 395      | 4,350                | 395      | 4,360                |
| France               | 65                       | 4,160                | 212                        | 4,840                | --       | --                   | 277      | 9,000                |
| Germany              | 156                      | 1,370                | 7,370                      | 80,600               | --       | 1,250                | 7,530    | 83,200               |
| Greece               | --                       | 3                    | 1,350                      | 15,200               | --       | 48                   | 1,350    | 15,200               |
| Guatemala            | --                       | 80                   | --                         | --                   | 687      | 12,300               | 687      | 12,400               |
| Honduras             | --                       | --                   | --                         | --                   | 263      | 3,260                | 263      | 3,260                |
| Hong Kong            | --                       | (2)                  | 366                        | 4,750                | --       | 88                   | 366      | 4,840                |
| India                | --                       | 679                  | 1,170                      | 14,400               | --       | 1                    | 1,170    | 15,100               |
| Indonesia            | --                       | --                   | 10,200                     | 79,400               | --       | 53                   | 10,200   | 79,500               |
| Italy                | (2)                      | 571                  | 333                        | 5,200                | 35       | 467                  | 368      | 6,240                |
| Japan                | (2)                      | 628                  | 282                        | 7,420                | 43       | 517                  | 325      | 8,570                |
| Korea, Republic of   | 299                      | 8,540                | 176                        | 3,190                | --       | 208                  | 475      | 11,900               |
| Malaysia             | --                       | --                   | 440                        | 8,130                | --       | 612                  | 440      | 8,740                |
| Mexico               | 2,910                    | 19,800               | 2,060                      | 29,100               | 9,120    | 136,000              | 14,100   | 185,000              |
| New Zealand          | 1,790                    | 23,200               | 1                          | 108                  | 65       | 240                  | 1,850    | 23,600               |
| Qatar                | 7,610                    | 63,900               | --                         | --                   | --       | --                   | 7,610    | 63,900               |
| Romania              | 93                       | 471                  | 803                        | 4,050                | 78       | 994                  | 974      | 5,510                |
| Russia               | 16,600                   | 221,000              | 1,060                      | 13,700               | --       | --                   | 17,700   | 235,000              |
| Saudi Arabia         | --                       | 45                   | --                         | 1                    | 353      | 14,800               | 353      | 14,800               |
| South Africa         | 25                       | 14,100               | 8,350                      | 51,800               | --       | --                   | 8,380    | 65,900               |
| Sweden               | --                       | 6                    | 252                        | 3,040                | --       | 137                  | 252      | 3,190                |
| Switzerland          | --                       | 10                   | 241                        | 2,520                | --       | (2)                  | 241      | 2,530                |
| Taiwan               | 17                       | 726                  | 514                        | 7,220                | 76       | 634                  | 607      | 8,580                |
| Tajikistan           | --                       | 4,450                | --                         | --                   | --       | --                   | --       | 4,450                |
| United Arab Emirates | 15,900                   | 242,000              | (2)                        | 2                    | 212      | 1,030                | 16,100   | 243,000              |
| United Kingdom       | 37                       | 15,600               | 620                        | 5,250                | 150      | 9,100                | 807      | 29,900               |
| Venezuela            | 10,500                   | 141,000              | --                         | 978                  | 471      | 2,070                | 11,000   | 144,000              |
| Other                | 346                      | 4,010                | 1,160                      | 13,700               | 1,450    | 22,900               | 2,960    | 40,700               |
| Total                | 245,000                  | 2,830,000            | 70,100                     | 880,000              | 42,500   | 579,000              | 357,000  | 4,290,000            |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9  
U.S. EXPORTS OF ALUMINUM IN DECEMBER 2011<sup>1</sup>

(Metric tons)

| Country or territory | Metals and alloys, crude |          | Plates, sheets, bars, etc. |          | Scrap    |           | Total    |           |
|----------------------|--------------------------|----------|----------------------------|----------|----------|-----------|----------|-----------|
|                      | December                 | January– | December                   | January– | December | January–  | December | January–  |
|                      |                          | December |                            | December |          | December  |          | December  |
| Australia            | 2                        | 718      | 136                        | 2,030    | --       | 11        | 138      | 2,760     |
| Belgium              | 8                        | 128      | 363                        | 3,400    | 3        | 89        | 374      | 3,620     |
| Brazil               | (2)                      | 42       | 1,010                      | 8,960    | 303      | 4,290     | 1,310    | 13,300    |
| Canada               | 8,650                    | 90,800   | 26,100                     | 372,000  | 8,030    | 139,000   | 42,800   | 602,000   |
| Chile                | 288                      | 3,950    | 1,020                      | 5,770    | --       | --        | 1,300    | 9,720     |
| China                | 477                      | 4,490    | 2,450                      | 32,800   | 117,000  | 1,450,000 | 120,000  | 1,480,000 |
| Colombia             | --                       | 41       | 142                        | 1,950    | 20       | 192       | 162      | 2,180     |
| France               | 131                      | 1,700    | 990                        | 15,600   | 44       | 109       | 1,170    | 17,400    |
| Germany              | 262                      | 4,150    | 900                        | 11,000   | 150      | 723       | 1,310    | 15,900    |
| Guatemala            | --                       | 41       | 1,450                      | 17,400   | --       | 1         | 1,450    | 17,400    |
| Hong Kong            | --                       | 25       | 144                        | 3,070    | 2,310    | 34,500    | 2,450    | 37,600    |
| India                | 34                       | 174      | 94                         | 1,780    | 4,130    | 50,500    | 4,260    | 52,500    |
| Indonesia            | --                       | 16       | 249                        | 807      | 158      | 5,200     | 407      | 6,020     |
| Ireland              | --                       | 20       | 90                         | 7,850    | --       | --        | 90       | 7,870     |
| Israel               | 81                       | 889      | 713                        | 9,090    | --       | --        | 794      | 9,980     |
| Italy                | 10                       | 44       | 302                        | 3,510    | 19       | 182       | 331      | 3,740     |
| Japan                | 65                       | 2,190    | 1,260                      | 16,500   | 1,740    | 15,600    | 3,060    | 34,400    |
| Jordan               | --                       | (2)      | 518                        | 4,200    | --       | --        | 518      | 4,200     |
| Korea, Republic of   | 146                      | 984      | 1,520                      | 18,800   | 19,100   | 198,000   | 20,700   | 218,000   |
| Kuwait               | 1                        | 1        | 663                        | 11,600   | --       | --        | 664      | 11,600    |
| Malaysia             | --                       | 31       | 237                        | 2,230    | 761      | 4,720     | 998      | 6,990     |
| Mexico               | 13,400                   | 195,000  | 21,800                     | 291,000  | 11,300   | 131,000   | 46,600   | 617,000   |
| Netherlands          | 4                        | 145      | 140                        | 1,100    | 70       | 826       | 214      | 2,070     |
| New Zealand          | (2)                      | 28       | 40                         | 2,270    | 20       | 43        | 60       | 2,340     |
| Norway               | --                       | 7        | 1                          | 19       | --       | 18,400    | 1        | 18,500    |
| Pakistan             | --                       | (2)      | (2)                        | 6        | 1,030    | 7,910     | 1,030    | 7,920     |
| Panama               | --                       | 21       | 458                        | 4,910    | --       | 61        | 458      | 4,990     |
| Romania              | 134                      | 1,460    | 7                          | 118      | --       | --        | 141      | 1,570     |
| Saudi Arabia         | --                       | 3        | 5,540                      | 50,900   | --       | (2)       | 5,540    | 50,900    |
| Singapore            | 53                       | 776      | 350                        | 3,890    | 74       | 501       | 477      | 5,160     |
| Spain                | --                       | 26       | 105                        | 1,920    | 19       | 496       | 124      | 2,440     |
| Taiwan               | 164                      | 2,500    | 558                        | 10,000   | 8,770    | 62,900    | 9,490    | 75,400    |
| Thailand             | 374                      | 431      | 40                         | 1,150    | 384      | 5,840     | 798      | 7,420     |
| Tunisia              | --                       | --       | 62                         | 1,500    | --       | --        | 62       | 1,500     |
| Turkey               | 6                        | 48       | 192                        | 2,630    | --       | 54        | 198      | 2,730     |
| United Arab Emirates | --                       | 7        | 1,240                      | 11,000   | 75       | 819       | 1,320    | 11,800    |
| United Kingdom       | 85                       | 2,000    | 1,130                      | 16,400   | 214      | 914       | 1,430    | 19,300    |
| Vietnam              | --                       | 77       | 21                         | 222      | 2,010    | 8,320     | 2,040    | 8,620     |
| Other                | 46                       | 1,120    | 838                        | 13,800   | 383      | 5,110     | 1,270    | 20,100    |
| Total                | 24,400                   | 314,000  | 72,900                     | 964,000  | 178,000  | 2,140,000 | 275,000  | 3,420,000 |

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.