

# Employment and Earnings September 1980



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## U.S. DEPARTMENT OF LABOR Ray Marshall, Secretary

BUREAU OF LABOR STATISTICS  
Janet L. Norwood, Commissioner

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Communications on editorial matters should be addressed to: Editors, Employment and Earnings, Bureau of Labor Statistics, Washington, D.C. 20212. Inquiries regarding the text and *Household Data* should be addressed to: Attention of Gloria P. Green, or phone: (202) 523-1944. Inquiries relating to *Establishment Data* and all other tables should be addressed to: Attention of Gloria P. Goings, or phone: (202) 523-1487. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

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## Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings* special features appear in most of the issues as shown below:

### Household data

|   |                           |
|---|---------------------------|
| Annual averages   | Jan.                      |
| Revised seasonally adjusted series  | Feb.                      |
| Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-Era veterans and nonveterans, poverty-nonpoverty area data, family relationship data. | Jan., Apr.,<br>July, Oct. |

### Establishment data

|  |                   |
|--|-------------------|
| National annual averages:                |                   |
| Industry divisions (preliminary)         | Jan.              |
| Industry detail (final)                  | Mar.              |
| Women employment detail (final)          | Mar.              |
| National data adjusted to new benchmarks | July <sup>1</sup> |
| Revised seasonally adjusted series       | July <sup>2</sup> |
| State and area annual averages           | May               |
| Area definitions                         | May               |

<sup>1</sup> The issue that introduces new benchmark varies. The July 1980 issue marks the introduction of March 1979 benchmarks.

<sup>2</sup> Revised data introduced July 1980.

# Employment and Earnings

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Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

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# Employment and Unemployment Developments, August 1980

The Nation's employment situation showed some improvement in August. The unemployment rate edged down from 7.8 to 7.6 percent, and the number of unemployed persons dropped by nearly 200,000 to 8.0 million.

Total employment—as measured by the monthly survey of households—held steady in August at 97.0 million, following a rather sharp increase in July.

Nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 200,000 to 90.1 million. Manufacturing employment, which had been declining steadily through July, was up by 90,000 in August, and the factory workweek registered its first increase since January.

## Unemployment

The unemployment rate in August was 7.6 percent, slightly below July's 7.8 percent. Since the sharp unemployment increases in April and May, the overall jobless rate has shown relatively little movement. The major demographic groups experienced little or no change in their unemployment rates in August: The rate for adult men stood at 6.6 percent; adult women, 6.5 percent; teenagers, 19.1 percent; whites, 6.8 percent; and blacks, 13.6 percent. The number of unemployed workers, at 8.0 million, was about 200,000 below the July level but still almost 2 million above a year earlier. (See tables A-33 and A-36.)

The jobless rate among workers in manufacturing industries was down a full percentage point to 9.3 percent, with improvements shared by workers in both the durable and nondurable goods sectors. The unemployment rate for workers in the construction industry, however, increased 2.2 points in August. Since February, the jobless rate for construction workers has risen from 10.5 to 18.3 percent. (See table A-36.)

Over the past 2 months, the number of unemployed persons on layoff has declined by 425,000, with two-thirds of this reduction occurring in August. Persons on layoff constituted about one-fifth of all unemployed persons. (See table A-39.)

The median duration of unemployment, at 7½ weeks, increased for the third month in a row. This reflected reductions in the number of persons in the short and medium duration categories and increases in long-term unemployment (15 weeks and over). (See table A-37.)

## Total employment and the labor force

Total employment, which had increased by 460,000 in July, was unchanged in August at 97.0 million, about the same level as a year earlier. An over-the-month gain of more than 300,000 among adults was offset by a decline among teenagers. The employment-population ratio, at 58.2 percent, was about unchanged from July, but was a percentage point below its level of August 1979.

The civilian labor force, at 105.0 million, was little changed from a month earlier. The civilian labor force participation rate, at 63.9 percent, was also about unchanged. Over the year, the labor force growth among adult women was about double that for men, while teenage labor market activity decreased. (See table A-33.)

## Industry payroll employment

Nonagricultural payroll employment rose by 200,000 in August, the first increase since February. At 90.1 million, payroll employment was near its year-ago level but was still 1.1 million below the February peak. The employment growth was widespread, with nearly 60 percent of the 172 industries in the BLS diffusion index of private nonfarm employment registering gains from July to August. (See tables B-4 and B-7.)

After posting substantial cutbacks over the first half of the year, manufacturing employment turned upward in August, as the number of jobs increased by 90,000. Job gains were concentrated in the nondurable goods sector—principally in textiles, apparel, and rubber and plastics—but there was also some improvement in the durable goods industries, particularly fabricated metals and lumber and wood products. Electrical equipment was the only manufacturing industry to register a substantial decline in August. Between January and July, employment in manufacturing had been reduced by nearly 1.2 million jobs, three-fourths of which occurred in the durable goods industries.

Elsewhere in the goods-producing sector, mining and construction employment were both up over the month. However, most of the 35,000 increase in construction was accounted for by strikers returning to their jobs; employment in this industry was still 390,000 below January's peak level.

Employment in the service-producing sector rose slightly for the second consecutive month, following

declines in both May and June. Retail trade (50,000) and services (25,000) were the largest contributors to the sector's over-the-month employment growth. The gain in the services industry occurred despite a strike among motion picture and television employees. There was, however, a decline in Federal government employment, due partly to a continuation of the phase-out of the the 1980 Decennial Census collection operation.

### **Hours of work**

The average workweek for production or nonsupervisory workers on private nonfarm payrolls increased 0.2 hour to 35.1 hours in August. The manufacturing workweek increased 0.5 hour to 39.6 hours; factory hours had been unchanged in July subsequent to declines dating back to early in the year. Manufacturing overtime was up 0.3 hour over the month. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose 0.8 percent in August to 122.8 (1967 = 100) as a result of the rise in both employment and hours. The index was still down 3.4 percent from its January peak. The manufacturing index was up 1.8 percent over the month. (See table C-8.)

### **Hourly and weekly earnings**

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls rose 0.6 percent over the month and 7.7 percent over the year (seasonally adjusted). Average weekly earnings were up 1.2 percent from July and 5.9 percent from August 1979.

Before adjustment for seasonality, average hourly earnings rose 2 cents in August to \$6.66 and have risen 48 cents over the year. Average weekly earnings were \$236.43, up \$2.04 over the month and \$13.95 over the year. (See tables C-1 and C-9.)

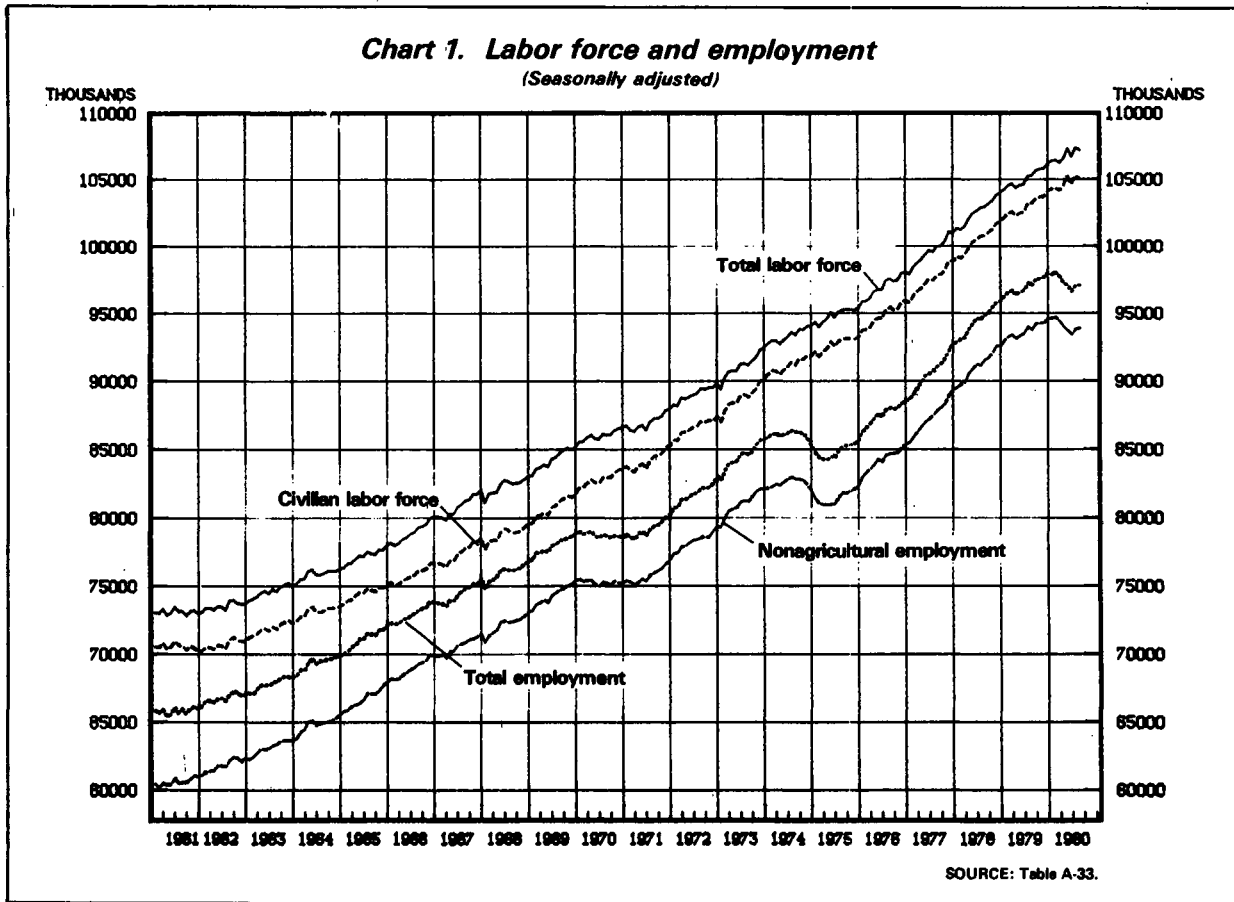
### **The Hourly Earnings Index**

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 253.1 (1967 = 100) in August, 0.5 percent higher than in July. The Index was 9.0 percent above August a year ago. In dollars of constant purchasing power, the Index decreased 3.5 percent during the 12-month period ended in July. (See table C-9.)

# CHARTS

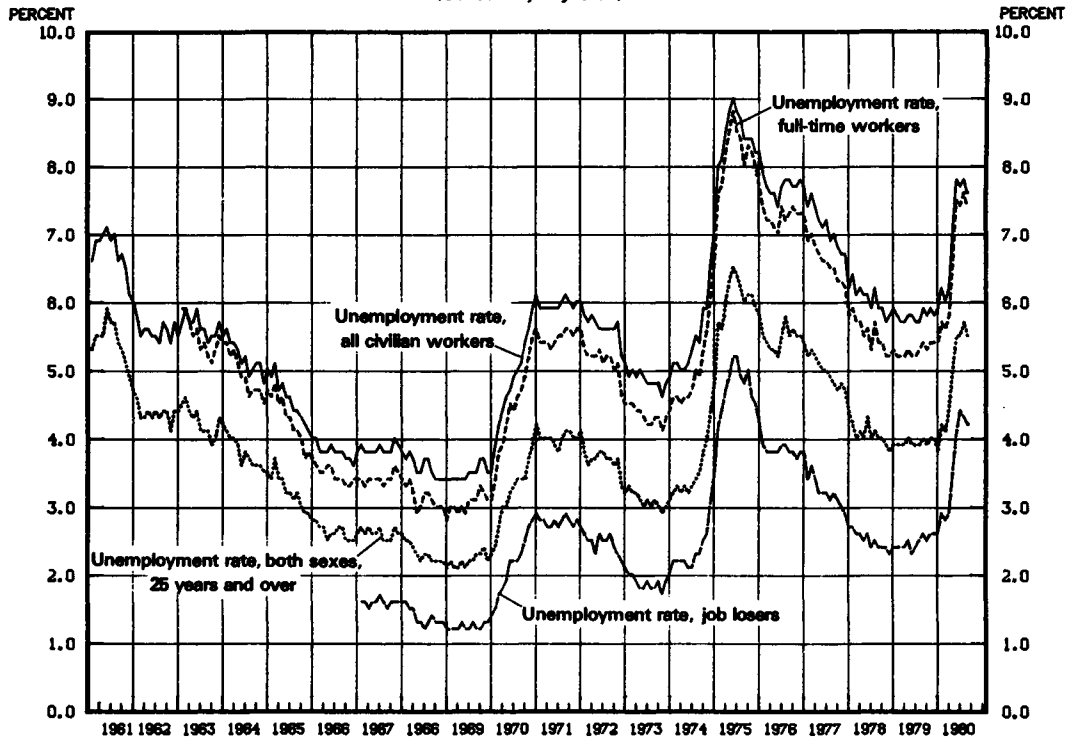
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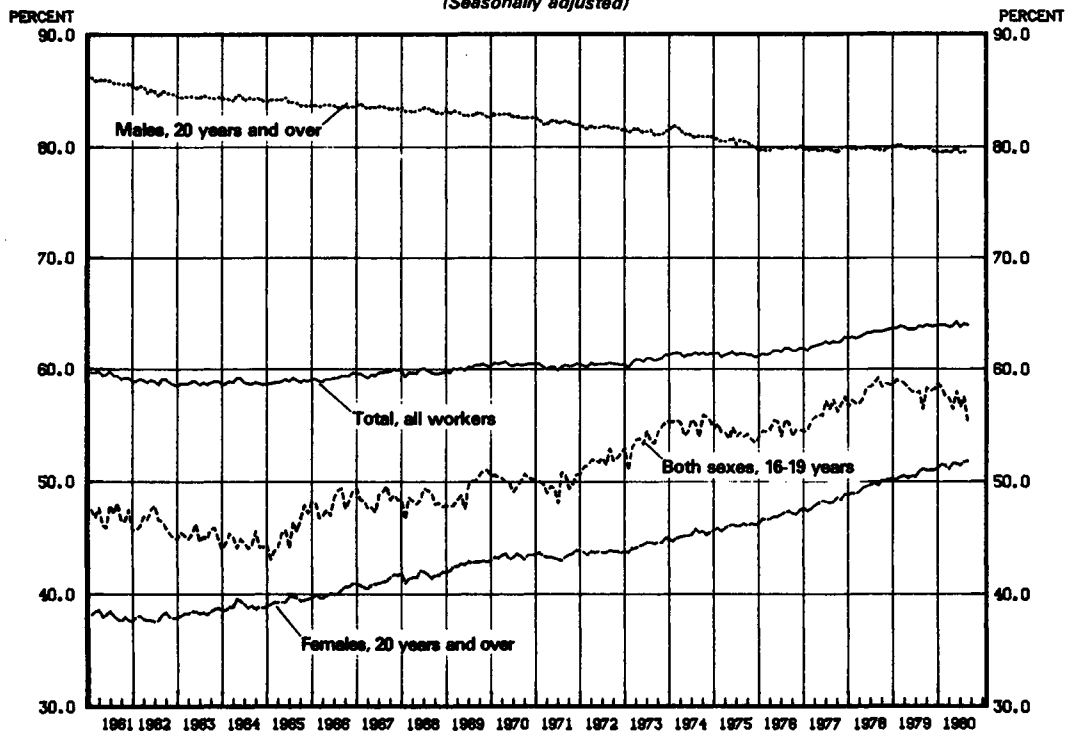


**Chart 2. Major unemployment indicators**  
(Seasonally adjusted)



SOURCE: Tables A-36, A-38, and A-39.

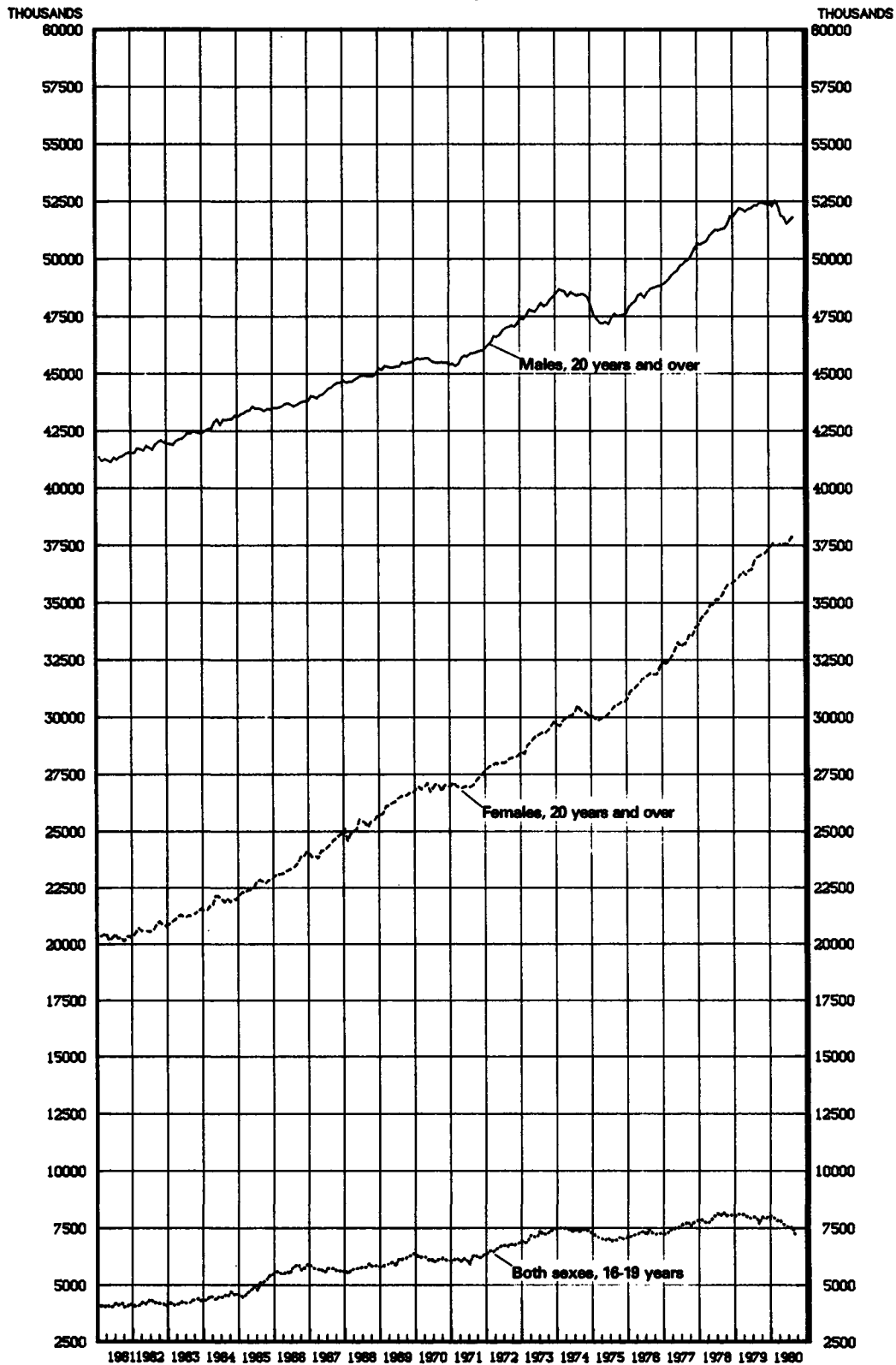
**Chart 3. Civilian labor force participation rates by sex and age**  
(Seasonally adjusted)



SOURCE: Table A-33.

**Chart 4. Total employment by sex and age**

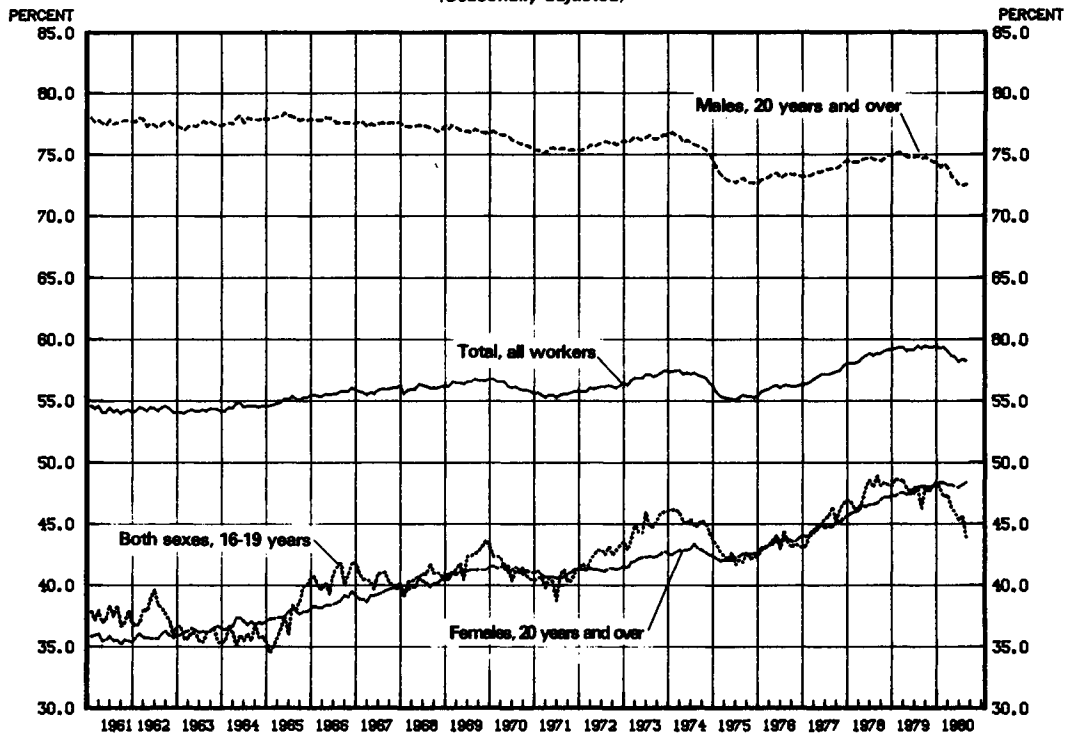
(Seasonally adjusted)



SOURCE: Table A-33.

**Chart 5. Employment—population ratios by sex and age**

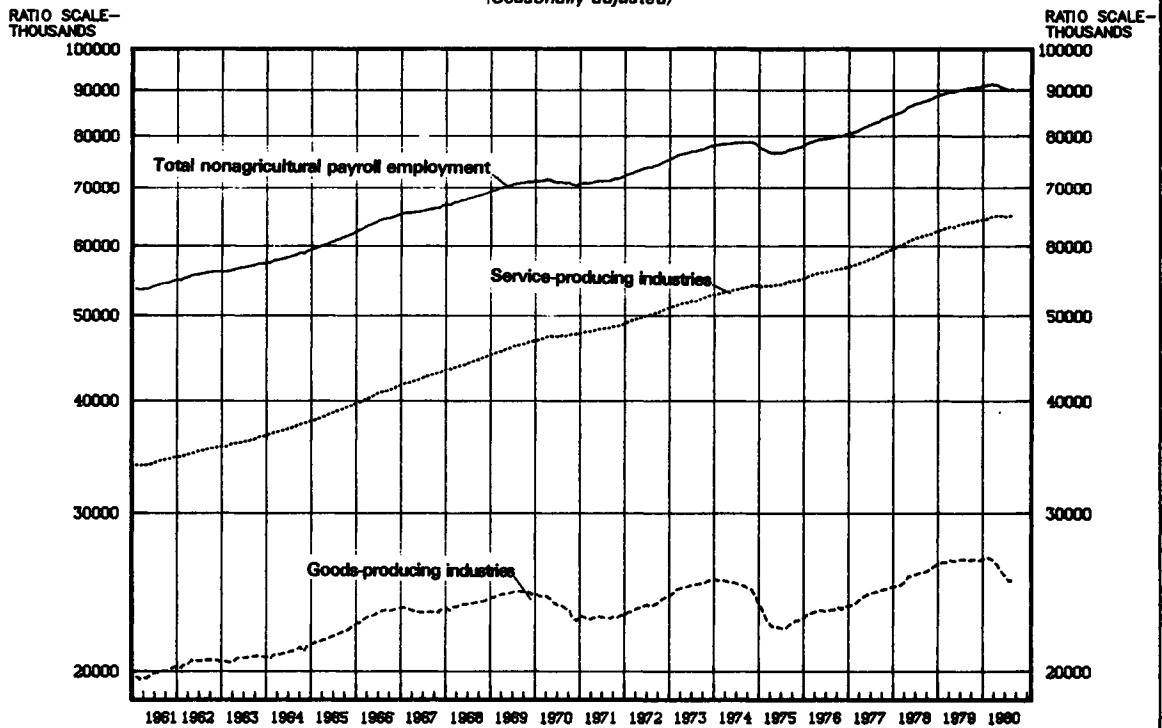
(Seasonally adjusted)



SOURCE: Table A-33.

**Chart 6. Payroll employment in goods and service-producing industries**

(Seasonally adjusted)

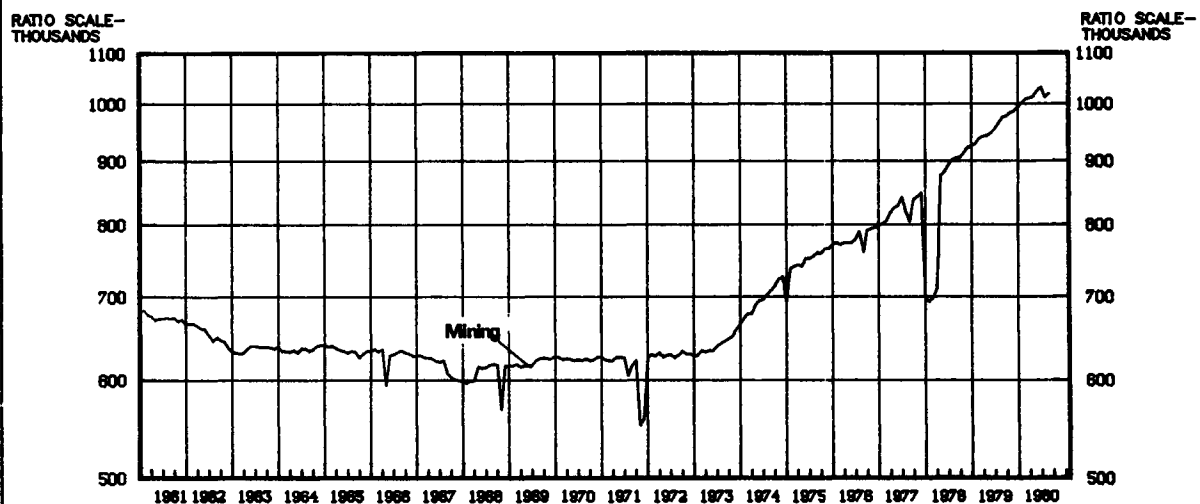
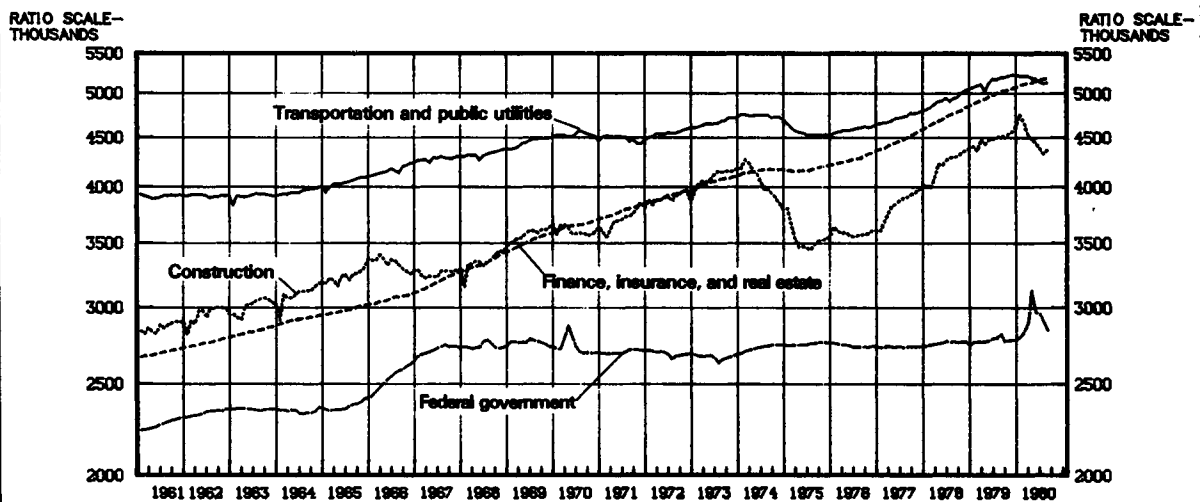
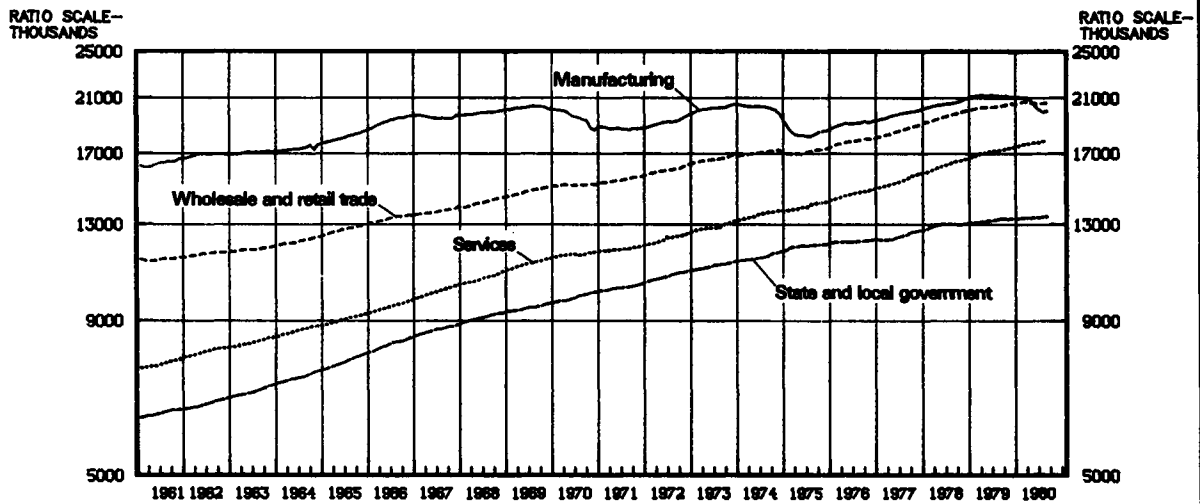


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

### Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

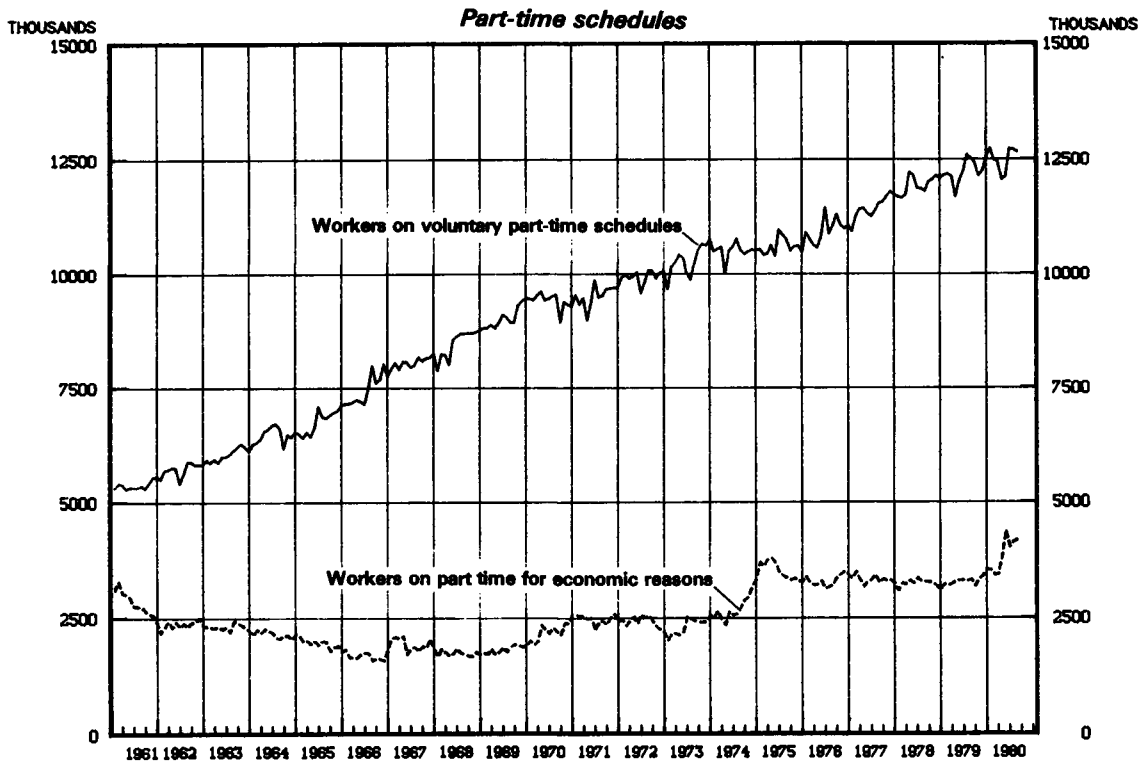
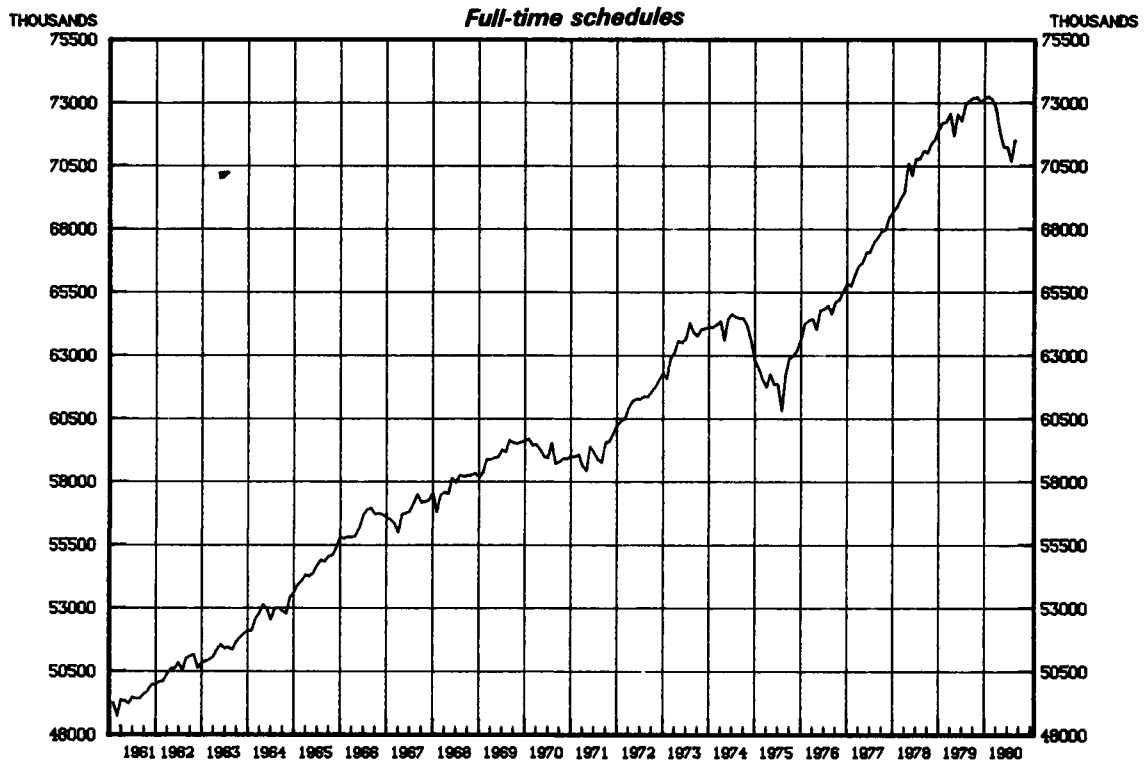


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

**Chart 8. Persons at work full and part time in nonagricultural industries**

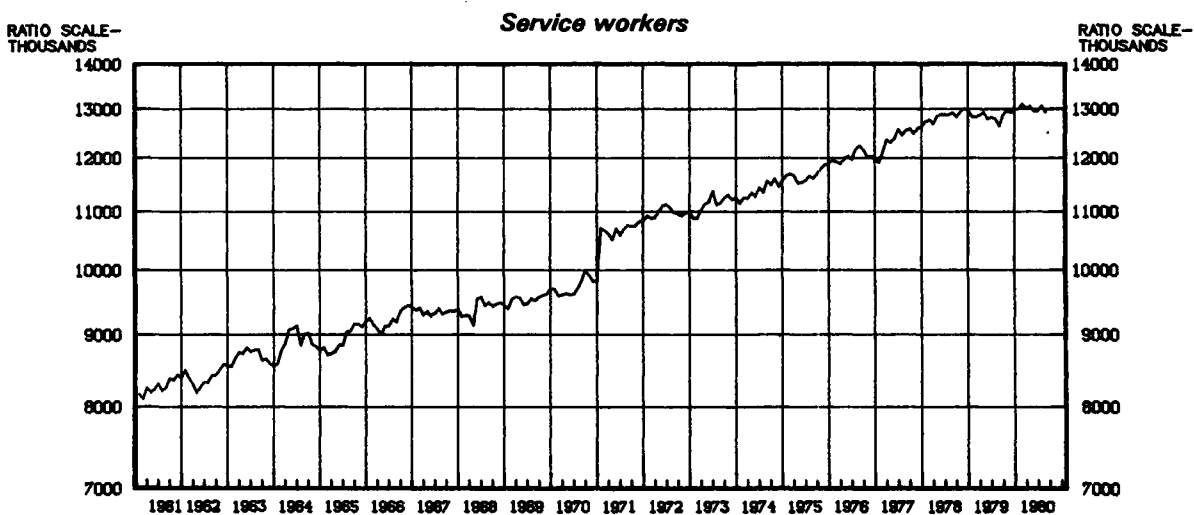
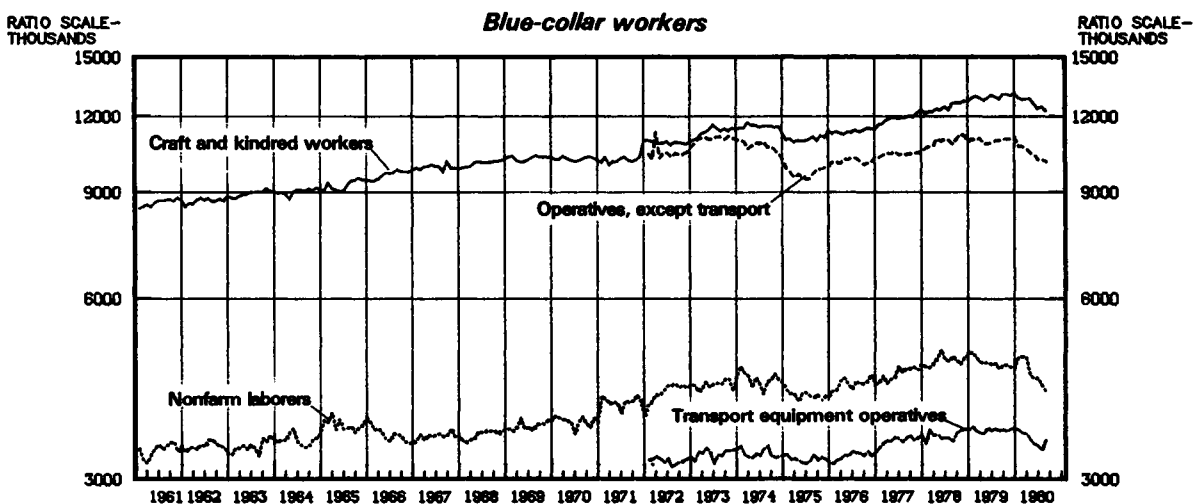
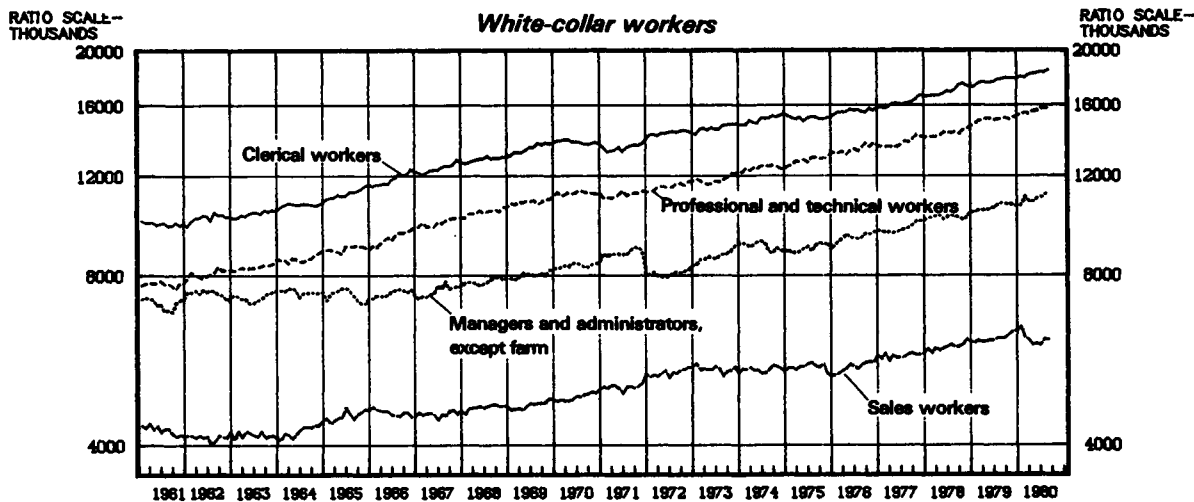
*(Seasonally adjusted)*



SOURCE: Table A-42.

### Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)

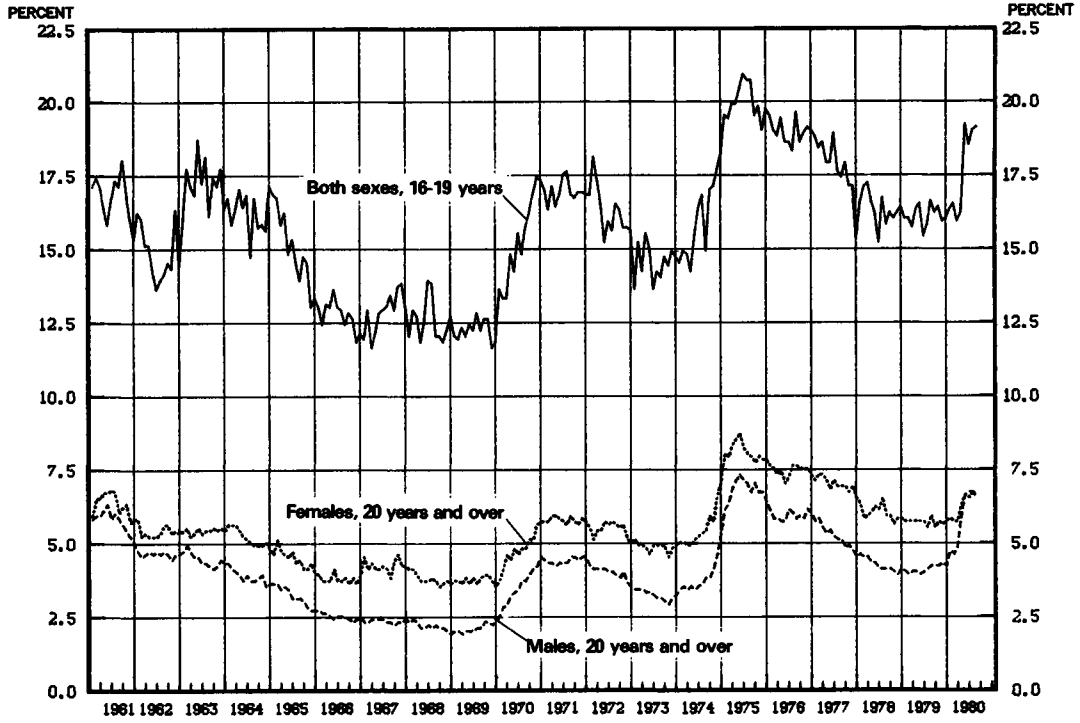


NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

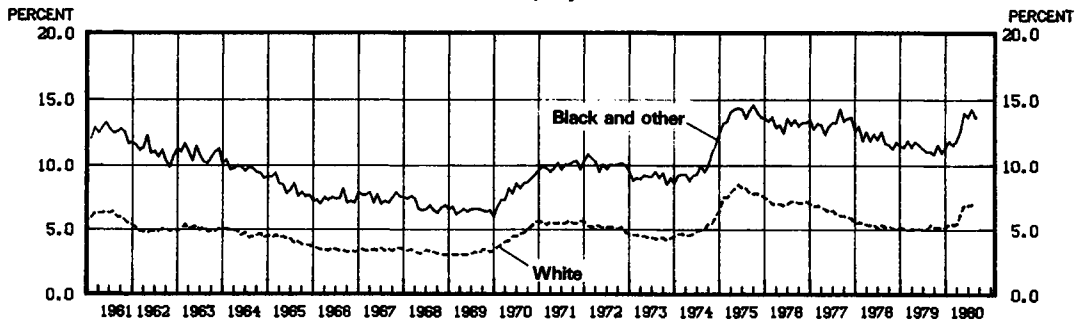
**Chart 10. Unemployment rates by sex and age**

(Seasonally adjusted)

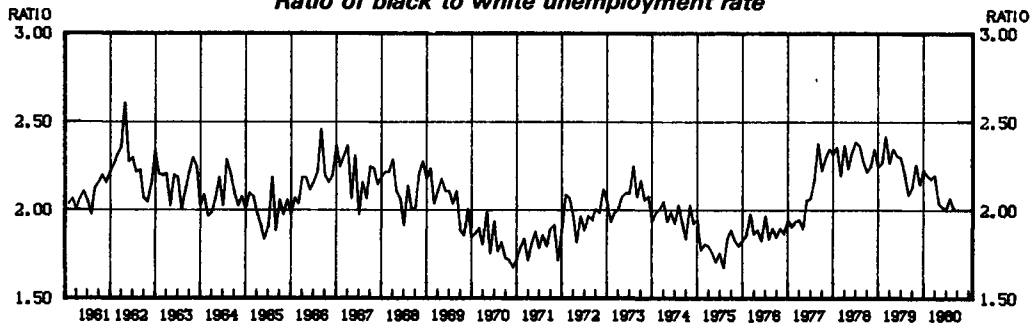


**Chart 11. Unemployment rates by race**

(Seasonally adjusted)

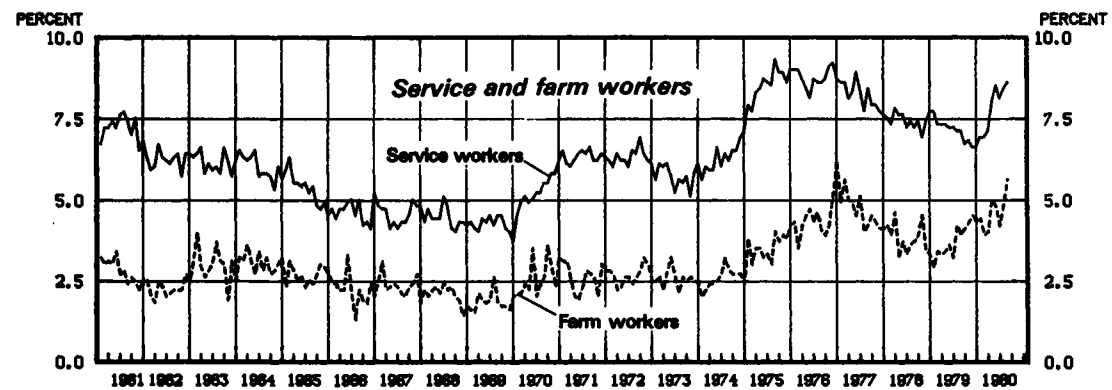
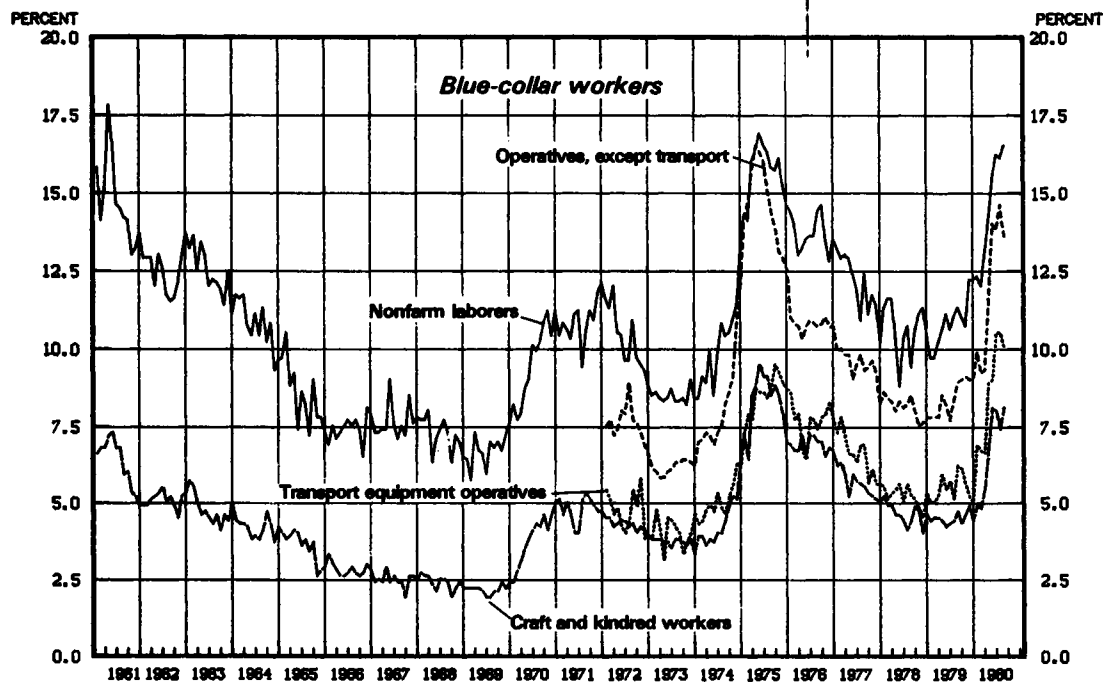
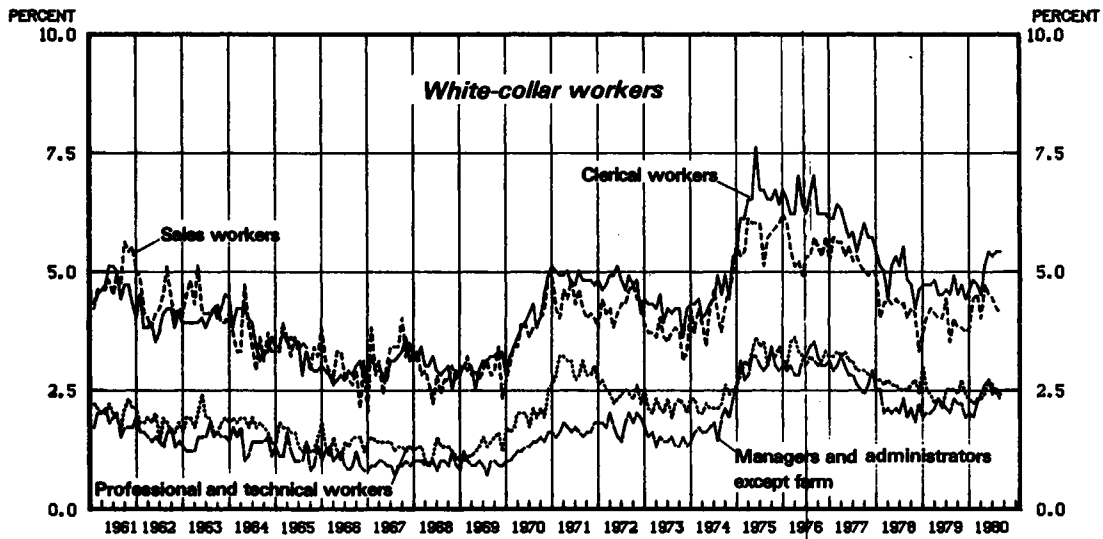


**Ratio of black to white unemployment rate**



SOURCE: Table A-35.

**Chart 12. Unemployment rates by major occupational groups**  
(Seasonally adjusted)

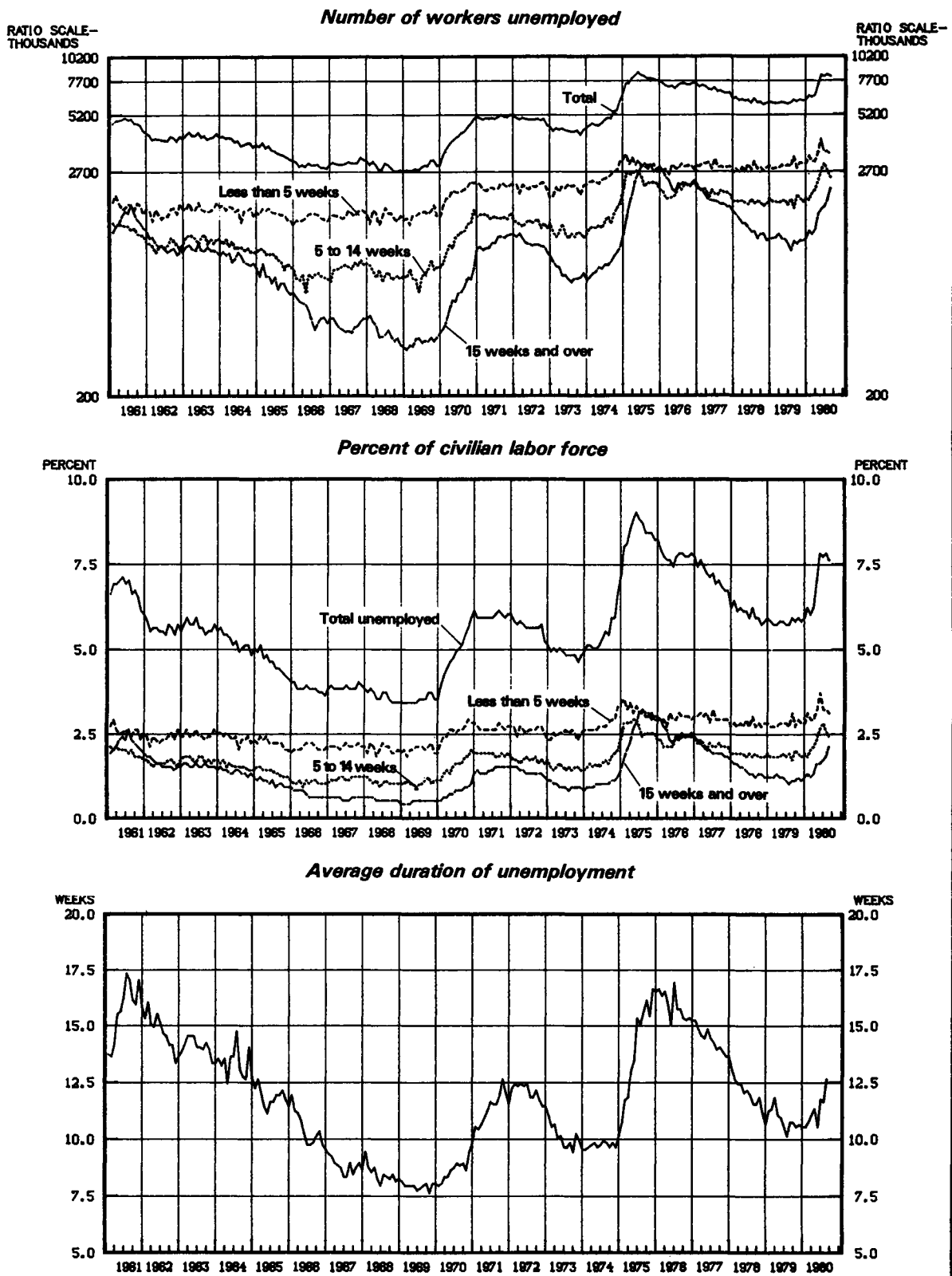


SOURCE: Table A-36.



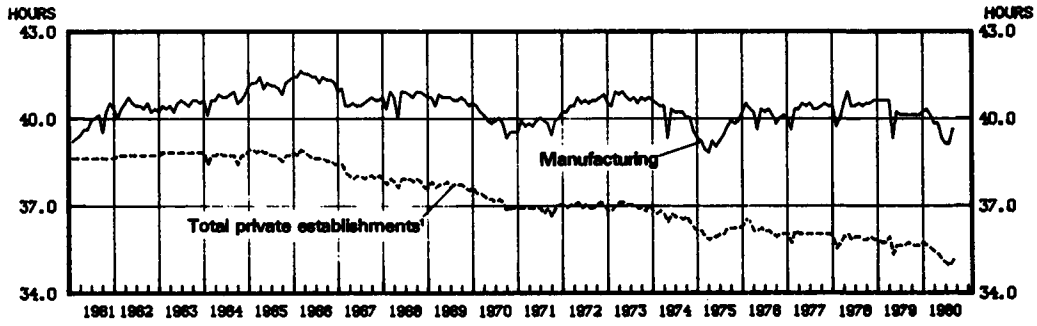
### Chart 13. Duration of unemployment

(Seasonally adjusted)

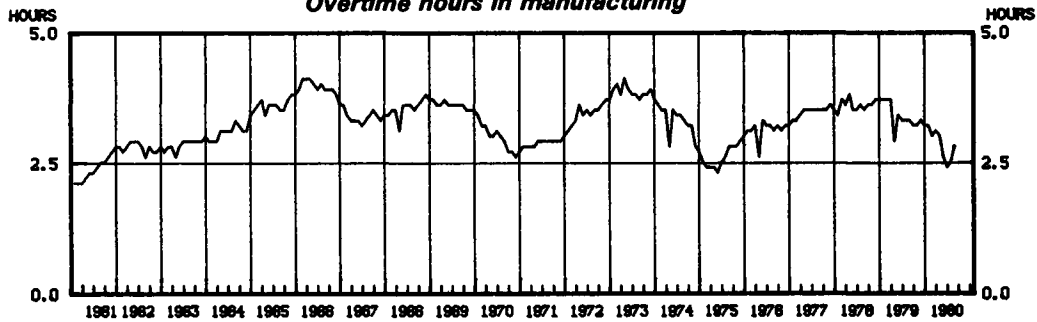


SOURCE: Table A-37.

**Chart 14. Average weekly hours in nonagricultural industries**  
(Seasonally adjusted)



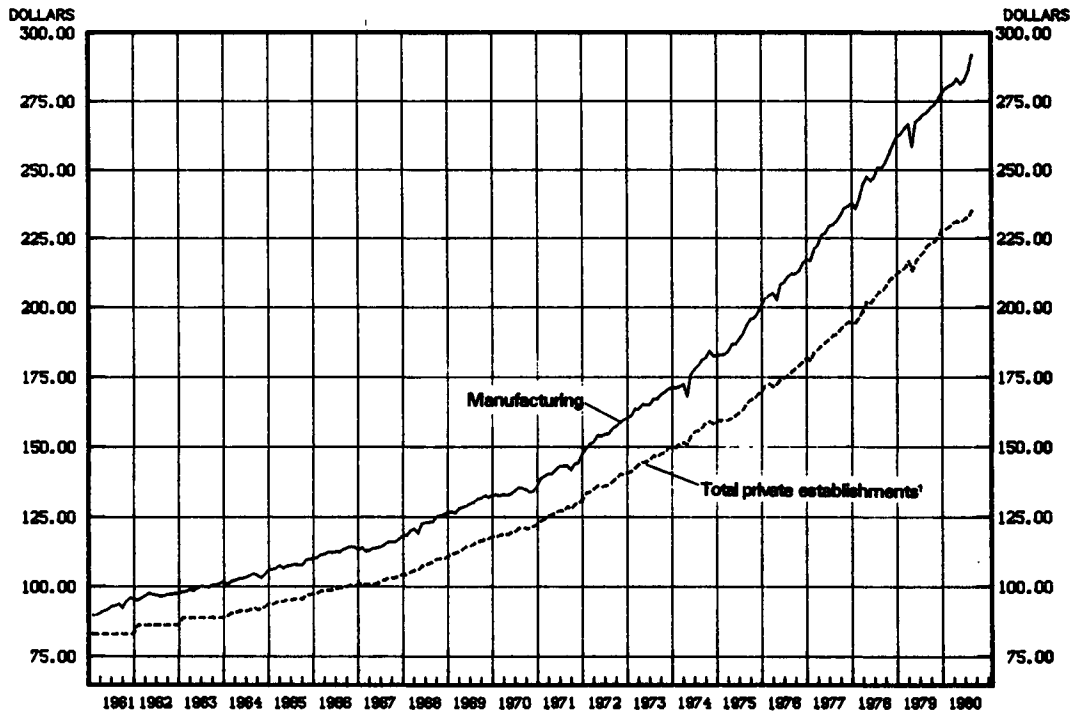
**Overtime hours in manufacturing**



<sup>1</sup>Annual averages prior to 1964.  
NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

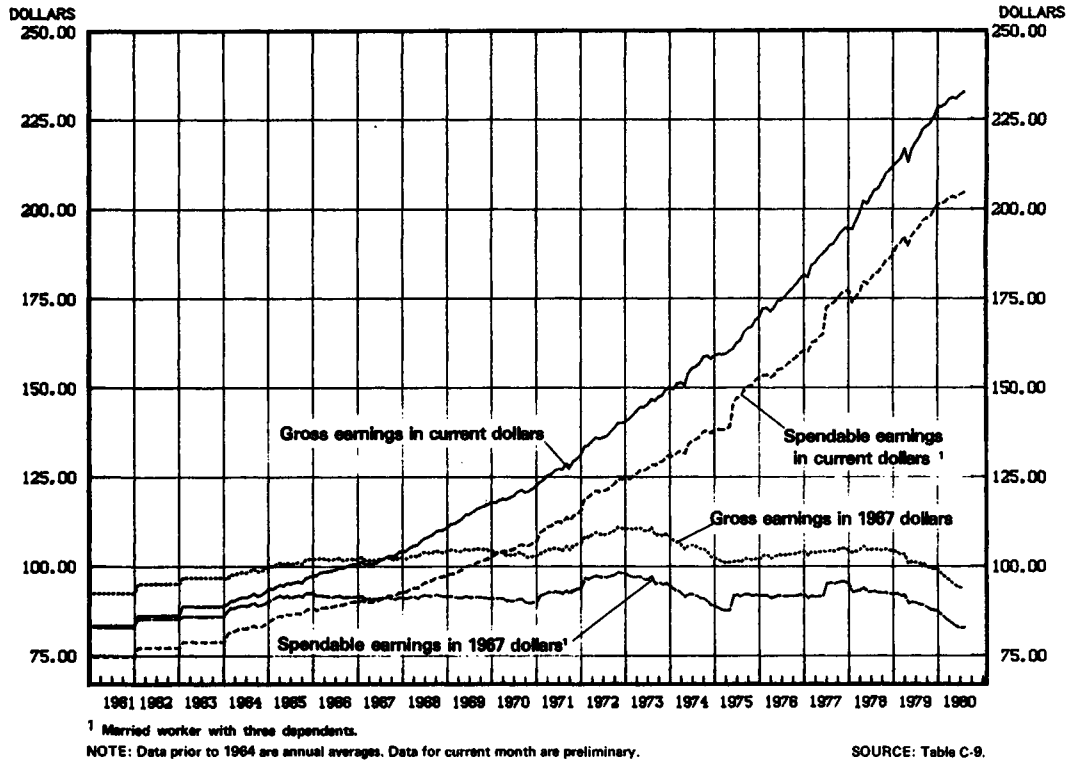
**Chart 15. Average weekly earnings in nonagricultural industries**  
(Seasonally adjusted)



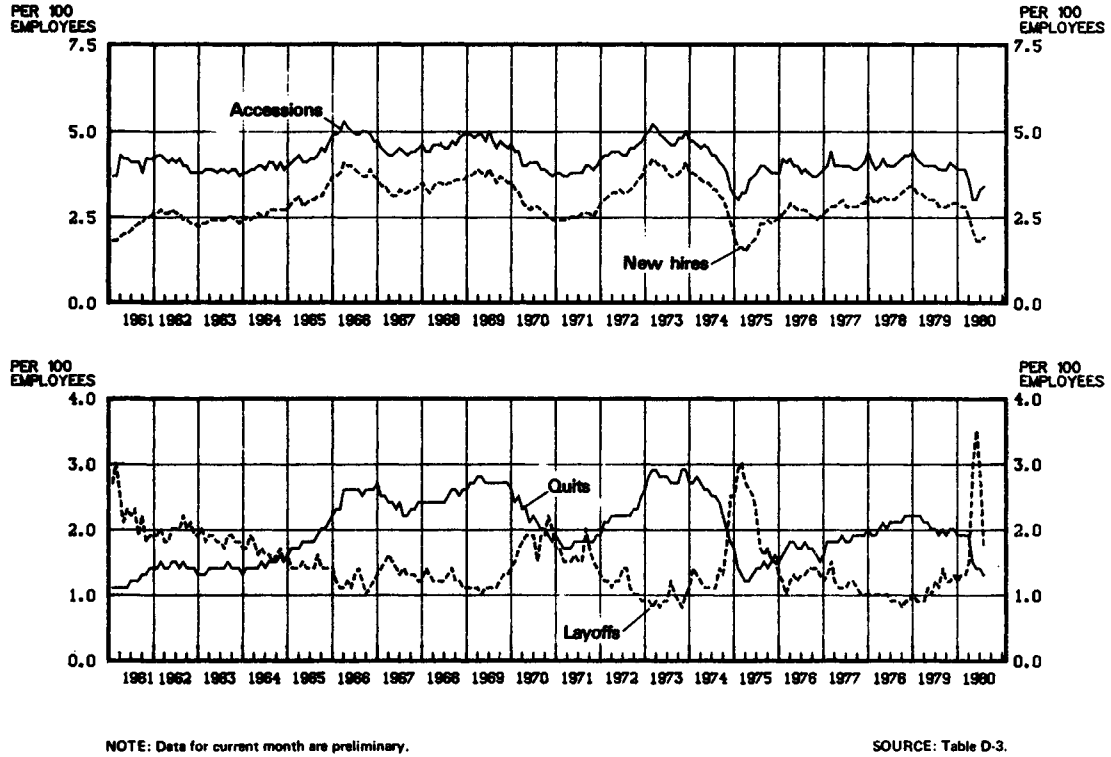
<sup>1</sup>Annual averages prior to 1964.  
NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

**Chart 16. Total private gross and spendable weekly earnings**  
(Seasonally adjusted)



**Chart 17. Labor turnover rates in manufacturing**  
(Seasonally adjusted)



# HOUSEHOLD DATA HISTORICAL

## A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

(Numbers in thousands)

| Year and month                                 | Total noninstitutional population | Total labor force |                       | Civilian labor force |          |             |                            |            |                        | Not in labor force |
|--|-----------------------------------|-------------------|-----------------------|----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|
|  |                                   | Number            | Percent of population | Total                | Employed |             |                            | Unemployed |                        |                    |
|  |                                   |                   |                       |                      | Total    | Agriculture | Nonagricultural industries | Number     | Percent of labor force |                    |
| Annual averages                                |                                   |                   |                       |                      |          |             |                            |            |                        |                    |
| 1947.....                                      | 103,418                           | 60,941            | 58.9                  | 59,350               | 57,038   | 7,890       | 49,148                     | 2,311      | 3.9                    | 42,477             |
| 1948.....                                      | 104,527                           | 62,080            | 59.4                  | 60,621               | 58,343   | 7,629       | 50,714                     | 2,276      | 3.8                    | 42,447             |
| 1948.....                                      | 105,611                           | 62,903            | 59.6                  | 61,286               | 57,651   | 7,658       | 49,993                     | 3,637      | 5.9                    | 42,708             |
| 1950.....                                      | 106,645                           | 63,858            | 59.9                  | 62,208               | 58,918   | 7,160       | 51,758                     | 3,288      | 5.3                    | 42,787             |
| 1951.....                                      | 107,721                           | 65,117            | 60.4                  | 62,017               | 59,961   | 6,726       | 53,235                     | 2,055      | 3.3                    | 42,604             |
| 1952.....                                      | 108,623                           | 65,730            | 60.4                  | 62,138               | 60,250   | 6,500       | 53,749                     | 1,883      | 3.0                    | 43,093             |
| 1953 <sup>1</sup> .....                        | 110,601                           | 66,560            | 60.2                  | 63,015               | 61,179   | 6,260       | 54,919                     | 1,834      | 2.9                    | 44,041             |
| 1954.....                                      | 111,671                           | 66,993            | 60.0                  | 63,643               | 60,109   | 6,205       | 53,904                     | 3,532      | 5.5                    | 44,678             |
| 1955.....                                      | 112,732                           | 68,072            | 60.4                  | 65,023               | 62,170   | 6,450       | 55,722                     | 2,852      | 4.4                    | 44,660             |
| 1956.....                                      | 113,811                           | 69,409            | 61.0                  | 66,552               | 63,799   | 6,283       | 57,514                     | 2,750      | 4.1                    | 44,402             |
| 1957.....                                      | 115,065                           | 69,729            | 60.6                  | 66,929               | 64,071   | 5,947       | 58,123                     | 2,859      | 4.3                    | 45,336             |
| 1958.....                                      | 116,363                           | 70,275            | 60.4                  | 67,639               | 63,036   | 5,586       | 57,450                     | 4,602      | 6.8                    | 46,088             |
| 1959.....                                      | 117,881                           | 70,921            | 60.2                  | 68,369               | 64,630   | 5,565       | 59,065                     | 3,740      | 5.5                    | 46,960             |
| 1960 <sup>1</sup> .....                        | 119,759                           | 72,142            | 60.2                  | 69,628               | 65,778   | 5,458       | 60,318                     | 3,852      | 5.5                    | 47,617             |
| 1961.....                                      | 121,343                           | 73,031            | 60.2                  | 70,459               | 65,746   | 5,200       | 60,546                     | 4,714      | 6.7                    | 48,312             |
| 1962.....                                      | 122,981                           | 73,442            | 59.7                  | 70,614               | 66,702   | 4,944       | 61,759                     | 3,911      | 5.5                    | 49,539             |
| 1963.....                                      | 125,154                           | 74,571            | 59.6                  | 71,833               | 67,762   | 4,687       | 63,076                     | 4,070      | 5.7                    | 50,583             |
| 1964.....                                      | 127,224                           | 75,830            | 59.6                  | 73,091               | 69,305   | 4,523       | 64,782                     | 3,786      | 5.2                    | 51,394             |
| 1965.....                                      | 129,236                           | 77,178            | 59.7                  | 74,455               | 71,088   | 4,361       | 66,726                     | 3,366      | 4.5                    | 52,058             |
| 1966.....                                      | 131,180                           | 78,893            | 60.1                  | 75,770               | 72,895   | 3,979       | 68,915                     | 2,875      | 3.8                    | 52,288             |
| 1967.....                                      | 133,319                           | 80,793            | 60.6                  | 77,347               | 74,372   | 3,844       | 70,527                     | 2,975      | 3.8                    | 52,527             |
| 1968.....                                      | 135,562                           | 82,272            | 60.7                  | 78,737               | 75,920   | 3,817       | 72,103                     | 2,817      | 3.6                    | 53,291             |
| 1969.....                                      | 137,841                           | 84,240            | 61.1                  | 80,734               | 77,902   | 3,606       | 74,296                     | 2,832      | 3.5                    | 53,602             |
| 1970.....                                      | 140,182                           | 85,903            | 61.3                  | 82,715               | 78,627   | 3,462       | 75,165                     | 4,088      | 4.9                    | 54,280             |
| 1971.....                                      | 142,596                           | 86,929            | 61.0                  | 84,113               | 79,120   | 3,387       | 75,732                     | 4,993      | 5.9                    | 55,666             |
| 1972 <sup>1</sup> .....                        | 145,775                           | 88,991            | 61.0                  | 86,542               | 81,702   | 3,472       | 78,230                     | 4,840      | 5.6                    | 56,785             |
| 1973 <sup>1</sup> .....                        | 148,263                           | 91,040            | 61.4                  | 88,714               | 84,409   | 3,452       | 80,957                     | 4,304      | 4.9                    | 57,222             |
| 1974.....                                      | 150,827                           | 93,240            | 61.8                  | 91,011               | 85,935   | 3,492       | 82,443                     | 5,076      | 5.6                    | 57,587             |
| 1975.....                                      | 153,449                           | 94,793            | 61.8                  | 92,613               | 84,783   | 3,380       | 81,403                     | 7,830      | 8.5                    | 58,655             |
| 1976.....                                      | 156,048                           | 96,917            | 62.1                  | 94,773               | 87,485   | 3,297       | 84,188                     | 7,288      | 7.7                    | 59,130             |
| 1977.....                                      | 158,559                           | 99,534            | 62.8                  | 97,401               | 90,546   | 3,244       | 87,302                     | 6,855      | 7.0                    | 59,025             |
| 1978 <sup>1</sup> .....                        | 161,058                           | 102,537           | 63.7                  | 100,420              | 94,373   | 3,342       | 91,031                     | 6,047      | 6.0                    | 58,521             |
| 1979.....                                      | 163,620                           | 104,996           | 64.2                  | 102,908              | 96,945   | 3,297       | 93,648                     | 5,963      | 5.8                    | 58,623             |
| Monthly data, seasonally adjusted <sup>2</sup> |                                   |                   |                       |                      |          |             |                            |            |                        |                    |
| <b>1979:</b>                                   |                                   |                   |                       |                      |          |             |                            |            |                        |                    |
| August...                                      | 163,891                           | 105,218           | 64.2                  | 103,128              | 97,004   | 3,315       | 93,689                     | 6,124      | 5.9                    | 58,673             |
| September...                                   | 164,106                           | 105,586           | 64.3                  | 103,494              | 97,504   | 3,364       | 94,140                     | 5,990      | 5.8                    | 58,519             |
| October...                                     | 164,468                           | 105,688           | 64.3                  | 103,595              | 97,474   | 3,294       | 94,180                     | 6,121      | 5.9                    | 58,780             |
| November...                                    | 164,682                           | 105,744           | 64.2                  | 103,652              | 97,608   | 3,385       | 94,223                     | 6,044      | 5.8                    | 58,937             |
| December...                                    | 164,898                           | 106,088           | 64.3                  | 103,999              | 97,912   | 3,359       | 94,553                     | 6,087      | 5.9                    | 58,810             |
| <b>1980:</b>                                   |                                   |                   |                       |                      |          |             |                            |            |                        |                    |
| January...                                     | 165,101                           | 106,310           | 64.4                  | 104,229              | 97,804   | 3,270       | 94,534                     | 6,425      | 6.2                    | 58,791             |
| February...                                    | 165,298                           | 106,346           | 64.3                  | 104,260              | 97,953   | 3,326       | 94,626                     | 6,307      | 6.0                    | 58,951             |
| March...                                       | 165,506                           | 106,184           | 64.2                  | 104,094              | 97,656   | 3,358       | 94,298                     | 6,438      | 6.2                    | 59,322             |
| April...                                       | 165,693                           | 106,511           | 64.3                  | 104,419              | 97,154   | 3,242       | 93,912                     | 7,265      | 7.0                    | 59,182             |
| May...   | 165,886                           | 107,230           | 64.6                  | 105,142              | 96,988   | 3,379       | 93,609                     | 8,154      | 7.8                    | 58,657             |
| June...  | 166,105                           | 106,634           | 64.2                  | 104,542              | 96,537   | 3,191       | 93,346                     | 8,006      | 7.7                    | 59,471             |
| July...  | 166,391                           | 107,302           | 64.5                  | 105,203              | 96,996   | 3,257       | 93,739                     | 8,207      | 7.8                    | 59,091             |
| August...                                      | 166,578                           | 107,139           | 64.3                  | 105,025              | 97,006   | 3,180       | 93,826                     | 8,019      | 7.6                    | 59,439             |

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

<sup>2</sup> Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

# HOUSEHOLD DATA HISTORICAL

## A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 to date

(Numbers in thousands)

| Sex,<br>year,<br>and<br>month                  | Total noninsti-<br>tutional<br>popu-<br>lation | Total labor force |                                  | Civilian labor force |          |                  |   |            |                                 | Not in<br>labor<br>force |
|--|--|-------------------|----------------------------------|----------------------|----------|------------------|---|------------|---------------------------------|--------------------------|
|  |  | Number            | Percent<br>of<br>popu-<br>lation | Total                | Employed |                  |   | Unemployed |                                 |                          |
|  |  |                   |                                  |                      | Total    | Agri-<br>culture | Nonagri-<br>cultural<br>indus-<br>tries | Number     | Percent<br>of<br>labor<br>force |                          |
| <b>MALES</b>                                   |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| Annual averages                                |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| 1972 <sup>1</sup> .....                        | 69,864   | 55,671            | 79.7                             | 53,265               | 50,630   | 2,839            | 47,791                                  | 2,635      | 4.9                             | 14,193                   |
| 1973 <sup>1</sup> .....                        | 71,020   | 56,479            | 79.5                             | 54,203               | 51,963   | 2,833            | 49,130                                  | 2,240      | 4.1                             | 14,541                   |
| 1974 .....                                     | 72,253   | 57,349            | 79.4                             | 55,186               | 52,518   | 2,900            | 49,618                                  | 2,668      | 4.8                             | 14,904                   |
| 1975 .....                                     | 73,494   | 57,706            | 78.5                             | 55,615               | 51,230   | 2,801            | 48,429                                  | 4,385      | 7.9                             | 15,788                   |
| 1976 .....                                     | 74,739   | 58,397            | 78.1                             | 56,359               | 52,391   | 2,716            | 49,675                                  | 3,968      | 7.0                             | 16,341                   |
| 1977 .....                                     | 75,981   | 59,467            | 78.3                             | 57,449               | 53,861   | 2,639            | 51,222                                  | 3,588      | 6.2                             | 16,514                   |
| 1978 <sup>1</sup> .....                        | 77,169   | 60,535            | 78.4                             | 58,542               | 55,491   | 2,681            | 52,810                                  | 3,051      | 5.2                             | 16,634                   |
| 1979 .....                                     | 78,397   | 61,466            | 78.4                             | 59,517               | 56,499   | 2,645            | 53,854                                  | 3,018      | 5.1                             | 16,931                   |
| Monthly data, seasonally adjusted <sup>2</sup> |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| <b>1979:</b>                                   |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| August ...                                     | 78,525   | 61,437            | 78.2                             | 59,491               | 56,408   | 2,650            | 53,758                                  | 3,083      | 5.2                             | 17,088                   |
| September                                      | 78,627   | 61,759            | 78.5                             | 59,812               | 56,714   | 2,677            | 54,037                                  | 3,098      | 5.2                             | 16,867                   |
| October ..                                     | 78,805   | 61,675            | 78.3                             | 59,727               | 56,629   | 2,666            | 53,963                                  | 3,098      | 5.2                             | 17,130                   |
| November ..                                    | 78,906   | 61,652            | 78.1                             | 59,704               | 56,580   | 2,716            | 53,864                                  | 3,124      | 5.2                             | 17,255                   |
| December ..                                    | 79,009   | 61,762            | 78.2                             | 59,823               | 56,734   | 2,714            | 54,020                                  | 3,089      | 5.2                             | 17,247                   |
| <b>1980:</b>                                   |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| January ..                                     | 79,104   | 61,810            | 78.1                             | 59,878               | 56,486   | 2,665            | 53,821                                  | 3,392      | 5.7                             | 17,295                   |
| February ..                                    | 79,196   | 61,951            | 78.2                             | 60,014               | 56,732   | 2,702            | 54,029                                  | 3,283      | 5.5                             | 17,245                   |
| March ....                                     | 79,295   | 61,976            | 78.2                             | 60,042               | 56,601   | 2,706            | 53,895                                  | 3,441      | 5.7                             | 17,319                   |
| April ....                                     | 79,382   | 61,972            | 78.1                             | 60,037               | 56,998   | 2,602            | 53,396                                  | 4,040      | 6.7                             | 17,410                   |
| May ....                                       | 79,472   | 62,410            | 78.5                             | 60,479               | 55,823   | 2,671            | 53,152                                  | 4,656      | 7.7                             | 17,062                   |
| June ....                                      | 79,575   | 62,062            | 78.0                             | 60,127               | 55,457   | 2,572            | 52,886                                  | 4,669      | 7.8                             | 17,514                   |
| July ....                                      | 79,710   | 62,270            | 78.1                             | 60,333               | 55,629   | 2,626            | 53,003                                  | 4,703      | 7.8                             | 17,440                   |
| August ...                                     | 79,798   | 62,133            | 77.9                             | 60,182               | 55,551   | 2,583            | 52,967                                  | 4,632      | 7.7                             | 17,665                   |
| <b>FEMALES</b>                                 |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| Annual averages                                |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| 1972 <sup>1</sup> .....                        | 75,911   | 33,320            | 43.9                             | 33,277               | 31,072   | 633              | 30,439                                  | 2,205      | 6.6                             | 42,591                   |
| 1973 <sup>1</sup> .....                        | 77,242   | 34,561            | 44.7                             | 34,510               | 32,446   | 619              | 31,827                                  | 2,064      | 6.0                             | 42,681                   |
| 1974 .....                                     | 78,575   | 35,892            | 45.7                             | 35,825               | 33,417   | 592              | 32,825                                  | 2,408      | 6.7                             | 42,683                   |
| 1975 .....                                     | 79,954   | 37,087            | 46.4                             | 36,998               | 33,553   | 579              | 32,973                                  | 3,445      | 9.3                             | 42,868                   |
| 1976 .....                                     | 81,309   | 38,520            | 47.4                             | 38,414               | 35,095   | 582              | 34,513                                  | 3,320      | 8.6                             | 42,789                   |
| 1977 .....                                     | 82,577   | 40,067            | 48.5                             | 39,952               | 36,685   | 605              | 36,080                                  | 3,267      | 8.2                             | 42,510                   |
| 1978 <sup>1</sup> .....                        | 83,894   | 42,002            | 50.1                             | 41,878               | 38,882   | 661              | 38,221                                  | 2,996      | 7.2                             | 41,887                   |
| 1979 .....                                     | 85,223   | 43,531            | 51.1                             | 43,391               | 40,446   | 652              | 39,794                                  | 2,945      | 6.8                             | 41,692                   |
| Monthly data, seasonally adjusted <sup>2</sup> |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| <b>1979:</b>                                   |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| August ...                                     | 85,366   | 43,782            | 51.3                             | 43,637               | 40,596   | 665              | 39,931                                  | 3,041      | 7.0                             | 41,585                   |
| September                                      | 85,479   | 43,827            | 51.3                             | 43,682               | 40,790   | 687              | 40,103                                  | 2,892      | 6.6                             | 41,652                   |
| October ..                                     | 85,663   | 44,013            | 51.4                             | 43,868               | 40,845   | 628              | 40,217                                  | 3,023      | 6.9                             | 41,651                   |
| November ..                                    | 85,775   | 44,093            | 51.4                             | 43,948               | 41,028   | 669              | 40,359                                  | 2,920      | 6.6                             | 41,683                   |
| December ..                                    | 85,889   | 44,326            | 51.6                             | 44,176               | 41,178   | 645              | 40,533                                  | 2,998      | 6.8                             | 41,563                   |
| <b>1980:</b>                                   |  |                   |                                  |                      |          |                  |   |            |                                 |                          |
| January ..                                     | 85,997   | 44,501            | 51.7                             | 44,352               | 41,318   | 605              | 40,713                                  | 3,034      | 6.8                             | 41,495                   |
| February ..                                    | 86,102   | 44,396            | 51.6                             | 44,246               | 41,221   | 624              | 40,597                                  | 3,025      | 6.8                             | 41,706                   |
| March ....                                     | 86,211   | 44,209            | 51.3                             | 44,052               | 41,054   | 651              | 40,403                                  | 2,997      | 6.8                             | 42,002                   |
| April ....                                     | 86,311   | 44,538            | 51.6                             | 44,381               | 41,156   | 640              | 40,516                                  | 3,225      | 7.3                             | 41,773                   |
| May ....                                       | 86,414   | 44,819            | 51.9                             | 44,663               | 41,165   | 708              | 40,457                                  | 3,498      | 7.8                             | 41,595                   |
| June ....                                      | 86,530   | 44,573            | 51.5                             | 44,416               | 41,079   | 619              | 40,460                                  | 3,337      | 7.5                             | 41,957                   |
| July ....                                      | 86,681   | 45,031            | 51.9                             | 44,870               | 41,367   | 631              | 40,736                                  | 3,503      | 7.8                             | 41,650                   |
| August ...                                     | 86,780   | 45,005            | 51.9                             | 44,842               | 41,455   | 597              | 40,859                                  | 3,387      | 7.6                             | 41,775                   |

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

<sup>2</sup> Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

# HOUSEHOLD DATA

## A-3. Employment status of the noninstitutional population by sex, age, and race

(Numbers in thousands)

| Sex, age, and race     | August 1980       |                       |                      |          |            |                        |                    |               |                 |                |               |
|------------------------|-------------------|-----------------------|----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                        | Total labor force |                       | Civilian labor force |          |            |                        | Not in labor force |               |                 |                |               |
|                        | Number            | Percent of population | Total                | Employed | Unemployed |                        | Total              | Keeping house | Going to school | Unable to work | Other reasons |
|                        |                   |                       |                      |          | Number     | Percent of labor force |                    |               |                 |                |               |
| <b>MALES</b>           |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over      | 63,301            | 79.3                  | 61,350               | 56,975   | 4,375      | 7.1                    | 16,497             | 366           | 726             | 1,566          | 13,840        |
| 16 to 21 years         | 9,571             | 75.6                  | 8,924                | 7,554    | 1,370      | 15.3                   | 3,086              | 34            | 436             | 29             | 2,588         |
| 16 to 19 years         | 5,862             | 70.1                  | 5,585                | 4,667    | 918        | 16.4                   | 2,506              | 30            | 280             | 16             | 2,181         |
| 16 to 17 years         | 2,444             | 59.5                  | 2,426                | 1,968    | 458        | 18.9                   | 1,661              | 21            | 123             | 8              | 1,509         |
| 16 to 19 years         | 3,418             | 80.2                  | 3,159                | 2,699    | 460        | 14.6                   | 845                | 9             | 157             | 8              | 672           |
| 20 to 64 years         | 55,530            | 90.2                  | 53,856               | 50,465   | 3,391      | 6.3                    | 6,037              | 153           | 446             | 1,137          | 4,301         |
| 20 to 24 years         | 9,359             | 90.1                  | 8,618                | 7,545    | 1,073      | 12.4                   | 1,023              | 14            | 282             | 43             | 685           |
| 25 to 54 years         | 38,968            | 94.4                  | 38,036               | 35,966   | 2,071      | 5.4                    | 2,293              | 85            | 162             | 614            | 1,432         |
| 25 to 29 years         | 8,829             | 94.7                  | 8,465                | 7,714    | 751        | 8.9                    | 492                | 11            | 95              | 49             | 337           |
| 30 to 34 years         | 8,215             | 96.5                  | 7,960                | 7,540    | 419        | 5.3                    | 296                | 20            | 28              | 68             | 181           |
| 35 to 39 years         | 6,560             | 96.0                  | 6,371                | 6,062    | 309        | 4.9                    | 274                | 17            | 9               | 81             | 167           |
| 40 to 44 years         | 5,378             | 95.0                  | 5,291                | 5,074    | 217        | 4.1                    | 280                | 7             | 15              | 101            | 157           |
| 45 to 49 years         | 4,984             | 93.3                  | 4,954                | 4,737    | 217        | 4.4                    | 358                | 13            | 12              | 120            | 212           |
| 50 to 54 years         | 5,003             | 89.4                  | 4,996                | 4,838    | 158        | 3.2                    | 593                | 17            | 3               | 195            | 378           |
| 55 to 64 years         | 7,202             | 72.6                  | 7,201                | 6,954    | 248        | 3.4                    | 2,722              | 55            | 1               | 480            | 2,186         |
| 55 to 59 years         | 4,400             | 81.9                  | 4,399                | 4,239    | 159        | 3.6                    | 974                | 24            | 3               | 258            | 689           |
| 60 to 64 years         | 2,803             | 61.6                  | 2,803                | 2,715    | 88         | 3.1                    | 1,747              | 31            | --              | 222            | 1,496         |
| 65 years and over      | 1,909             | 19.4                  | 1,909                | 1,843    | 66         | 3.4                    | 7,954              | 183           | --              | 413            | 7,358         |
| 65 to 69 years         | 1,106             | 28.9                  | 1,106                | 1,057    | 49         | 4.4                    | 2,718              | 50            | 1               | 154            | 2,514         |
| 70 years and over      | 803               | 13.3                  | 803                  | 786      | 17         | 2.1                    | 5,235              | 133           | --              | 259            | 4,843         |
| <b>White</b>           |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over      | 56,148            | 80.1                  | 54,637               | 51,187   | 3,451      | 6.3                    | 13,972             | 308           | 526             | 1,256          | 11,882        |
| 16 to 21 years         | 8,358             | 78.0                  | 7,872                | 6,785    | 1,088      | 13.8                   | 2,355              | 26            | 306             | 29             | 1,994         |
| 16 to 19 years         | 5,162             | 73.1                  | 4,951                | 4,222    | 729        | 14.7                   | 1,897              | 23            | 191             | 15             | 1,668         |
| 16 to 17 years         | 2,184             | 63.4                  | 2,169                | 1,785    | 384        | 17.7                   | 1,259              | 14            | 82              | 8              | 1,156         |
| 16 to 19 years         | 2,978             | 82.4                  | 2,783                | 2,437    | 346        | 12.4                   | 638                | 9             | 109             | 7              | 512           |
| 20 to 64 years         | 49,241            | 90.9                  | 47,941               | 45,266   | 2,674      | 5.6                    | 4,949              | 130           | 335             | 906            | 3,577         |
| 20 to 24 years         | 8,084             | 90.8                  | 7,533                | 6,718    | 815        | 10.8                   | 814                | 10            | 217             | 34             | 553           |
| 25 to 54 years         | 34,578            | 95.2                  | 33,830               | 32,191   | 1,639      | 4.8                    | 1,756              | 76            | 117             | 475            | 1,088         |
| 25 to 29 years         | 15,011            | 96.2                  | 14,525               | 13,594   | 931        | 6.4                    | 594                | 30            | 99              | 93             | 372           |
| 30 to 34 years         | 10,633            | 96.3                  | 10,404               | 9,992    | 412        | 4.0                    | 414                | 23            | 13              | 131            | 247           |
| 35 to 44 years         | 8,934             | 92.3                  | 8,902                | 8,606    | 296        | 3.3                    | 748                | 23            | 5               | 251            | 469           |
| 55 to 64 years         | 6,579             | 73.4                  | 6,578                | 6,357    | 221        | 3.4                    | 2,379              | 45            | --              | 397            | 1,936         |
| 55 to 59 years         | 4,017             | 83.0                  | 4,016                | 3,873    | 143        | 3.6                    | 825                | 19            | 2               | 223            | 581           |
| 60 to 64 years         | 2,562             | 62.2                  | 2,562                | 2,484    | 78         | 3.0                    | 1,554              | 26            | --              | 174            | 1,355         |
| 65 years and over      | 1,745             | 19.7                  | 1,745                | 1,698    | 47         | 2.7                    | 7,126              | 155           | --              | 334            | 6,637         |
| <b>Black and other</b> |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over      | 7,153             | 73.9                  | 6,712                | 5,788    | 924        | 13.8                   | 2,525              | 58            | 200             | 310            | 1,958         |
| 16 to 21 years         | 1,212             | 62.4                  | 1,051                | 769      | 282        | 26.8                   | 731                | 8             | 130             | --             | 593           |
| 16 to 19 years         | 700               | 53.5                  | 633                  | 444      | 189        | 29.6                   | 609                | 6             | 89              | --             | 513           |
| 16 to 17 years         | 260               | 39.3                  | 257                  | 183      | 75         | 29.0                   | 402                | 7             | 41              | --             | 353           |
| 16 to 19 years         | 440               | 68.0                  | 376                  | 262      | 114        | 30.4                   | 207                | --            | 48              | --             | 160           |
| 20 to 64 years         | 6,289             | 85.2                  | 5,915                | 5,198    | 717        | 12.1                   | 1,089              | 23            | 111             | 231            | 724           |
| 20 to 24 years         | 1,275             | 85.9                  | 1,085                | 827      | 258        | 23.8                   | 209                | 4             | 65              | 9              | 131           |
| 25 to 54 years         | 4,390             | 89.1                  | 4,206                | 3,775    | 433        | 10.3                   | 536                | 9             | 45              | 138            | 344           |
| 25 to 29 years         | 2,033             | 91.3                  | 1,900                | 1,661    | 238        | 12.6                   | 194                | --            | 25              | 24             | 145           |
| 30 to 34 years         | 1,305             | 90.3                  | 1,259                | 1,144    | 115        | 9.1                    | 140                | 1             | 11              | 51             | 77            |
| 35 to 44 years         | 1,053             | 83.8                  | 1,048                | 969      | 79         | 7.5                    | 203                | 7             | 10              | 64             | 121           |
| 55 to 64 years         | 623               | 64.5                  | 623                  | 596      | 27         | 4.3                    | 343                | 10            | 1               | 83             | 249           |
| 55 to 59 years         | 383               | 71.9                  | 383                  | 366      | 16         | 4.3                    | 150                | 5             | 1               | 36             | 108           |
| 60 to 64 years         | 241               | 55.4                  | 241                  | 230      | 10         | 4.3                    | 193                | 5             | --              | 48             | 141           |
| 65 years and over      | 164               | 16.5                  | 164                  | 145      | 19         | 11.4                   | 828                | 28            | --              | 79             | 721           |

## A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

[Numbers in thousands]

| Sex, age, and race      | August 1980       |                       |                      |          |            |                        |                    |               |                 |                |               |
|-------------------------|-------------------|-----------------------|----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | Total labor force |                       | Civilian labor force |          |            |                        | Not in labor force |               |                 |                |               |
|                         | Number            | Percent of population | Total                | Employed | Unemployed |                        | Total              | Keeping house | Going to school | Unable to work | Other reasons |
|                         |                   |                       |                      |          | Number     | Percent of labor force |                    |               |                 |                |               |
| <b>FEMALES</b>          |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 44,939            | 51.8                  | 44,777               | 41,141   | 3,636      | 8.1                    | 41,841             | 32,205        | 795             | 993            | 7,848         |
| 16 to 21 years .....    | 7,893             | 63.7                  | 7,829                | 6,691    | 1,137      | 14.5                   | 4,495              | 1,692         | 480             | 17             | 2,306         |
| 16 to 19 years .....    | 4,880             | 59.7                  | 4,852                | 4,050    | 802        | 16.5                   | 3,293              | 976           | 315             | 13             | 1,989         |
| 16 to 17 years .....    | 1,996             | 50.3                  | 1,995                | 1,624    | 371        | 18.6                   | 1,972              | 419           | 118             | 5              | 1,430         |
| 18 to 19 years .....    | 2,884             | 68.6                  | 2,857                | 2,426    | 431        | 15.1                   | 1,320              | 557           | 197             | 8              | 559           |
| 20 to 64 years .....    | 38,942            | 60.4                  | 38,808               | 36,008   | 2,799      | 7.2                    | 25,573             | 21,640        | 477             | 427            | 3,029         |
| 20 to 24 years .....    | 7,420             | 71.5                  | 7,341                | 6,569    | 772        | 10.5                   | 2,952              | 2,093         | 272             | 18             | 569           |
| 25 to 54 years .....    | 26,977            | 62.7                  | 26,921               | 25,041   | 1,881      | 7.0                    | 16,075             | 14,098        | 202             | 220            | 1,556         |
| 25 to 29 years .....    | 6,234             | 65.6                  | 6,195                | 5,644    | 551        | 8.9                    | 3,266              | 2,872         | 90              | 20             | 285           |
| 30 to 34 years .....    | 5,502             | 63.0                  | 5,491                | 5,061    | 429        | 7.8                    | 3,233              | 2,880         | 41              | 30             | 280           |
| 35 to 39 years .....    | 4,502             | 62.7                  | 4,495                | 4,174    | 325        | 7.2                    | 2,678              | 2,347         | 37              | 19             | 275           |
| 40 to 44 years .....    | 3,864             | 64.3                  | 3,862                | 3,653    | 209        | 5.4                    | 2,145              | 1,899         | 15              | 28             | 202           |
| 45 to 49 years .....    | 3,374             | 59.9                  | 3,373                | 3,188    | 185        | 5.5                    | 2,260              | 1,951         | 11              | 47             | 251           |
| 50 to 64 years .....    | 3,501             | 58.4                  | 3,500                | 3,320    | 180        | 5.1                    | 2,493              | 2,148         | 7               | 74             | 263           |
| 55 to 64 years .....    | 4,546             | 41.0                  | 4,546                | 4,400    | 147        | 3.2                    | 6,546              | 5,449         | 4               | 189            | 903           |
| 55 to 59 years .....    | 2,821             | 47.7                  | 2,821                | 2,720    | 101        | 3.6                    | 3,091              | 2,624         | 1               | 96             | 369           |
| 60 to 64 years .....    | 1,725             | 33.3                  | 1,725                | 1,679    | 46         | 2.7                    | 3,455              | 2,825         | 3               | 93             | 534           |
| 65 years and over ..... | 1,117             | 7.9                   | 1,117                | 1,083    | 34         | 3.0                    | 12,975             | 9,589         | 3               | 553            | 2,830         |
| 65 to 69 years .....    | 724               | 15.2                  | 724                  | 700      | 23         | 3.2                    | 4,046              | 3,149         | 1               | 126            | 769           |
| 70 years and over ..... | 393               | 4.2                   | 393                  | 382      | 11         | 2.7                    | 8,929              | 6,440         | 2               | 427            | 2,061         |
| <b>White</b>            |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 38,691            | 51.3                  | 38,571               | 35,750   | 2,821      | 7.3                    | 36,720             | 28,710        | 584             | 774            | 6,652         |
| 16 to 21 years .....    | 6,907             | 66.4                  | 6,860                | 5,981    | 879        | 12.6                   | 3,493              | 1,314         | 356             | 11             | 1,812         |
| 16 to 19 years .....    | 4,309             | 62.9                  | 4,288                | 3,656    | 632        | 14.7                   | 2,540              | 743           | 227             | 7              | 1,563         |
| 16 to 17 years .....    | 1,767             | 53.3                  | 1,766                | 1,463    | 303        | 17.2                   | 1,545              | 309           | 90              | 3              | 1,143         |
| 18 to 19 years .....    | 2,542             | 71.9                  | 2,523                | 2,194    | 329        | 13.0                   | 995                | 433           | 136             | 4              | 421           |
| 20 to 64 years .....    | 33,400            | 59.8                  | 33,301               | 31,136   | 2,165      | 6.5                    | 22,407             | 19,152        | 355             | 325            | 2,574         |
| 20 to 24 years .....    | 6,383             | 73.0                  | 6,325                | 5,758    | 567        | 9.0                    | 2,365              | 1,716         | 202             | 14             | 433           |
| 25 to 54 years .....    | 22,978            | 61.9                  | 22,936               | 21,458   | 1,479      | 6.4                    | 14,138             | 12,474        | 149             | 168            | 1,346         |
| 25 to 29 years .....    | 9,863             | 63.3                  | 9,826                | 9,079    | 747        | 7.6                    | 5,710              | 5,100         | 96              | 44             | 469           |
| 30 to 34 years .....    | 7,164             | 62.9                  | 7,160                | 6,734    | 426        | 6.0                    | 4,226              | 3,724         | 37              | 28             | 438           |
| 35 to 44 years .....    | 5,951             | 58.6                  | 5,950                | 5,645    | 305        | 5.1                    | 4,202              | 3,651         | 16              | 95             | 439           |
| 55 to 64 years .....    | 4,039             | 40.6                  | 4,039                | 3,920    | 119        | 3.0                    | 5,904              | 4,962         | 5               | 143            | 795           |
| 55 to 59 years .....    | 2,501             | 47.3                  | 2,501                | 2,420    | 81         | 3.3                    | 2,786              | 2,387         | 2               | 77             | 320           |
| 60 to 64 years .....    | 1,538             | 33.0                  | 1,538                | 1,500    | 38         | 2.5                    | 3,118              | 2,575         | 3               | 66             | 474           |
| 65 years and over ..... | 982               | 7.7                   | 982                  | 958      | 24         | 2.4                    | 11,773             | 8,815         | 2               | 442            | 2,515         |
| <b>Black and other</b>  |                   |                       |                      |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 6,248             | 55.0                  | 6,205                | 5,391    | 815        | 13.1                   | 5,121              | 3,496         | 211             | 219            | 1,196         |
| 16 to 21 years .....    | 986               | 49.6                  | 969                  | 710      | 258        | 26.7                   | 1,002              | 379           | 123             | 6              | 494           |
| 16 to 19 years .....    | 572               | 43.2                  | 564                  | 393      | 170        | 30.2                   | 753                | 233           | 88              | 6              | 426           |
| 16 to 17 years .....    | 230               | 34.9                  | 229                  | 161      | 68         | 29.7                   | 427                | 110           | 28              | 2              | 288           |
| 18 to 19 years .....    | 342               | 51.3                  | 334                  | 232      | 102        | 30.5                   | 325                | 123           | 61              | 3              | 138           |
| 20 to 64 years .....    | 5,542             | 63.6                  | 5,508                | 4,873    | 635        | 11.5                   | 3,167              | 2,489         | 122             | 102            | 455           |
| 20 to 24 years .....    | 1,037             | 63.9                  | 1,016                | 811      | 205        | 20.2                   | 587                | 377           | 70              | 4              | 136           |
| 25 to 54 years .....    | 3,999             | 67.4                  | 3,985                | 3,582    | 402        | 10.1                   | 1,938              | 1,623         | 52              | 52             | 211           |
| 25 to 29 years .....    | 1,873             | 70.4                  | 1,860                | 1,626    | 234        | 12.6                   | 789                | 652           | 35              | 6              | 96            |
| 30 to 44 years .....    | 1,202             | 66.8                  | 1,201                | 1,093    | 108        | 9.0                    | 597                | 523           | 15              | 20             | 40            |
| 45 to 64 years .....    | 924               | 62.6                  | 924                  | 863      | 60         | 6.5                    | 551                | 448           | 2               | 27             | 75            |
| 55 to 64 years .....    | 507               | 44.1                  | 507                  | 480      | 27         | 5.4                    | 642                | 488           | --              | 46             | 108           |
| 55 to 59 years .....    | 320               | 51.2                  | 320                  | 301      | 20         | 6.2                    | 305                | 238           | --              | 19             | 48            |
| 60 to 64 years .....    | 187               | 35.6                  | 187                  | 179      | 8          | 4.1                    | 337                | 250           | --              | 27             | 60            |
| 65 years and over ..... | 134               | 10.1                  | 134                  | 124      | 10         | 7.5                    | 1,202              | 774           | 1               | 111            | 315           |

# HOUSEHOLD DATA

## A-4. Labor force by sex, age, and race

| Sex, age, and race     | Total labor force    |           |                     |           | Civilian labor force |           |                     |           |
|------------------------|----------------------|-----------|---------------------|-----------|----------------------|-----------|---------------------|-----------|
|                        | Thousands of persons |           | Participation rates |           | Thousands of persons |           | Participation rates |           |
|                        | Aug. 1979            | Aug. 1980 | Aug. 1979           | Aug. 1980 | Aug. 1979            | Aug. 1980 | Aug. 1979           | Aug. 1980 |
| <b>MALES</b>           |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 62,722               | 63,301    | 79.9                | 79.3      | 60,776               | 61,350    | 79.4                | 78.8      |
| 16 to 19 years         | 6,020                | 5,862     | 71.4                | 70.1      | 5,756                | 5,585     | 70.5                | 69.0      |
| 16 to 17 years         | 2,497                | 2,444     | 60.0                | 59.5      | 2,479                | 2,426     | 59.8                | 59.4      |
| 18 to 19 years         | 3,524                | 3,418     | 82.0                | 80.2      | 3,277                | 3,159     | 81.5                | 78.9      |
| 20 to 24 years         | 9,373                | 9,359     | 91.2                | 90.1      | 8,623                | 8,618     | 90.6                | 89.4      |
| 25 to 54 years         | 38,231               | 38,968    | 94.7                | 94.4      | 37,301               | 38,036    | 94.5                | 94.3      |
| 25 to 34 years         | 16,480               | 17,044    | 95.7                | 95.6      | 15,867               | 16,425    | 95.5                | 95.4      |
| 35 to 44 years         | 11,660               | 11,938    | 95.9                | 95.6      | 11,381               | 11,663    | 95.8                | 95.5      |
| 45 to 54 years         | 10,090               | 9,987     | 91.6                | 91.3      | 10,053               | 9,950     | 91.6                | 91.3      |
| 55 to 64 years         | 7,172                | 7,202     | 73.2                | 72.6      | 7,171                | 7,201     | 73.2                | 72.6      |
| 55 to 59 years         | 4,438                | 4,400     | 82.7                | 81.9      | 4,437                | 4,399     | 82.7                | 81.9      |
| 60 to 64 years         | 2,734                | 2,803     | 61.7                | 61.6      | 2,734                | 2,803     | 61.7                | 61.6      |
| 65 years and over      | 1,926                | 1,909     | 20.0                | 19.4      | 1,926                | 1,909     | 20.0                | 19.4      |
| <b>White</b>           |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 55,643               | 56,148    | 80.5                | 80.1      | 54,115               | 54,637    | 80.0                | 79.6      |
| 16 to 19 years         | 5,258                | 5,162     | 73.7                | 73.1      | 5,057                | 4,951     | 73.0                | 72.3      |
| 16 to 17 years         | 2,188                | 2,184     | 62.5                | 63.4      | 2,174                | 2,169     | 62.3                | 63.3      |
| 18 to 19 years         | 3,070                | 2,978     | 84.6                | 82.4      | 2,883                | 2,783     | 83.7                | 81.3      |
| 20 to 24 years         | 8,162                | 8,084     | 92.5                | 90.8      | 7,593                | 7,533     | 91.9                | 90.2      |
| 25 to 54 years         | 33,934               | 34,578    | 95.2                | 95.2      | 33,178               | 33,830    | 95.1                | 95.1      |
| 25 to 34 years         | 14,549               | 15,011    | 96.3                | 96.2      | 14,061               | 14,525    | 96.1                | 96.1      |
| 35 to 44 years         | 10,367               | 10,633    | 96.4                | 96.3      | 10,133               | 10,404    | 96.3                | 96.2      |
| 45 to 54 years         | 9,017                | 8,934     | 92.3                | 92.3      | 8,984                | 8,902     | 92.3                | 92.3      |
| 55 to 64 years         | 6,531                | 6,579     | 73.8                | 73.4      | 6,530                | 6,578     | 73.7                | 73.4      |
| 55 to 59 years         | 4,028                | 4,017     | 83.3                | 83.0      | 4,027                | 4,016     | 83.3                | 83.0      |
| 60 to 64 years         | 2,503                | 2,562     | 62.2                | 62.2      | 2,503                | 2,562     | 62.2                | 62.2      |
| 65 years and over      | 1,757                | 1,745     | 20.2                | 19.7      | 1,757                | 1,745     | 20.2                | 19.7      |
| <b>Black and other</b> |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 7,079                | 7,153     | 75.3                | 73.9      | 6,661                | 6,712     | 74.2                | 72.7      |
| 16 to 19 years         | 762                  | 700       | 58.9                | 53.5      | 699                  | 633       | 56.8                | 51.0      |
| 16 to 17 years         | 308                  | 260       | 46.8                | 39.3      | 305                  | 257       | 46.6                | 39.0      |
| 18 to 19 years         | 453                  | 440       | 71.3                | 68.0      | 394                  | 376       | 68.3                | 64.5      |
| 20 to 24 years         | 1,211                | 1,275     | 83.8                | 85.9      | 1,030                | 1,085     | 81.5                | 83.8      |
| 25 to 54 years         | 4,297                | 4,390     | 90.4                | 89.1      | 4,123                | 4,206     | 90.1                | 88.7      |
| 25 to 34 years         | 1,931                | 2,033     | 91.4                | 91.3      | 1,806                | 1,900     | 90.9                | 90.7      |
| 35 to 44 years         | 1,293                | 1,305     | 92.5                | 90.3      | 1,248                | 1,259     | 92.2                | 90.0      |
| 45 to 54 years         | 1,073                | 1,053     | 86.4                | 83.8      | 1,069                | 1,048     | 86.3                | 83.8      |
| 55 to 64 years         | 641                  | 623       | 68.0                | 64.5      | 640                  | 623       | 68.0                | 64.5      |
| 55 to 59 years         | 410                  | 383       | 77.3                | 71.9      | 410                  | 383       | 77.3                | 71.9      |
| 60 to 64 years         | 230                  | 241       | 56.0                | 55.4      | 230                  | 241       | 56.0                | 55.4      |
| 65 years and over      | 169                  | 164       | 17.5                | 16.5      | 169                  | 164       | 17.5                | 16.5      |



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A-4. Labor force by sex, age, and race—Continued

| Sex, age, and race     | Total labor force    |           |                     |           | Civilian labor force |           |                     |           |
|------------------------|----------------------|-----------|---------------------|-----------|----------------------|-----------|---------------------|-----------|
|                        | Thousands of persons |           | Participation rates |           | Thousands of persons |           | Participation rates |           |
|                        | Aug. 1979            | Aug. 1980 | Aug. 1979           | Aug. 1980 | Aug. 1979            | Aug. 1980 | Aug. 1979           | Aug. 1980 |
| <b>FEMALES</b>         |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 43,732               | 44,939    | 51.2                | 51.8      | 43,587               | 44,777    | 51.1                | 51.7      |
| 16 to 19 years         | 4,964                | 4,880     | 60.3                | 59.7      | 4,940                | 4,852     | 60.1                | 59.6      |
| 16 to 17 years         | 2,089                | 1,996     | 51.9                | 50.3      | 2,087                | 1,995     | 51.8                | 50.3      |
| 18 to 19 years         | 2,875                | 2,884     | 68.3                | 68.6      | 2,853                | 2,857     | 68.1                | 68.4      |
| 20 to 24 years         | 7,351                | 7,420     | 71.7                | 71.5      | 7,279                | 7,341     | 71.5                | 71.3      |
| 25 to 34 years         | 25,857               | 26,977    | 61.3                | 62.7      | 25,809               | 26,921    | 61.3                | 62.6      |
| 25 to 34 years         | 11,149               | 11,736    | 63.3                | 64.4      | 11,106               | 11,686    | 63.3                | 64.3      |
| 35 to 44 years         | 7,961                | 8,366     | 62.1                | 63.4      | 7,957                | 8,362     | 62.1                | 63.4      |
| 45 to 54 years         | 6,748                | 6,874     | 57.5                | 59.1      | 6,747                | 6,873     | 57.5                | 59.1      |
| 55 to 64 years         | 4,463                | 4,546     | 40.8                | 41.0      | 4,463                | 4,546     | 40.8                | 41.0      |
| 55 to 59 years         | 2,822                | 2,821     | 47.9                | 47.7      | 2,822                | 2,821     | 47.9                | 47.7      |
| 60 to 64 years         | 1,641                | 1,725     | 32.5                | 33.3      | 1,641                | 1,725     | 32.5                | 33.3      |
| 65 years and over      | 1,097                | 1,117     | 8.0                 | 7.9       | 1,097                | 1,117     | 8.0                 | 7.9       |
| <b>White</b>           |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 37,738               | 38,691    | 50.8                | 51.3      | 37,628               | 38,571    | 50.7                | 51.2      |
| 16 to 19 years         | 4,397                | 4,309     | 63.5                | 62.9      | 4,379                | 4,288     | 63.4                | 62.8      |
| 16 to 17 years         | 1,868                | 1,767     | 55.4                | 53.3      | 1,867                | 1,766     | 55.4                | 53.3      |
| 18 to 19 years         | 2,529                | 2,542     | 71.2                | 71.9      | 2,512                | 2,523     | 71.1                | 71.7      |
| 20 to 24 years         | 6,297                | 6,383     | 72.6                | 73.0      | 6,242                | 6,325     | 72.4                | 72.8      |
| 25 to 34 years         | 22,093               | 22,978    | 60.6                | 61.9      | 22,056               | 22,936    | 60.6                | 61.9      |
| 25 to 34 years         | 9,391                | 9,863     | 62.3                | 63.3      | 9,358                | 9,826     | 62.2                | 63.2      |
| 35 to 44 years         | 6,824                | 7,164     | 61.5                | 62.9      | 6,821                | 7,160     | 61.5                | 62.9      |
| 45 to 54 years         | 5,878                | 5,951     | 57.2                | 58.6      | 5,877                | 5,950     | 57.2                | 58.6      |
| 55 to 64 years         | 3,982                | 4,039     | 40.5                | 40.6      | 3,982                | 4,039     | 40.5                | 40.6      |
| 55 to 59 years         | 2,510                | 2,501     | 47.6                | 47.3      | 2,510                | 2,501     | 47.6                | 47.3      |
| 60 to 64 years         | 1,472                | 1,538     | 32.3                | 33.0      | 1,472                | 1,538     | 32.3                | 33.0      |
| 65 years and over      | 969                  | 982       | 7.8                 | 7.7       | 969                  | 982       | 7.8                 | 7.7       |
| <b>Black and other</b> |                      |           |                     |           |                      |           |                     |           |
| 16 years and over      | 5,994                | 6,248     | 54.3                | 55.0      | 5,960                | 6,205     | 54.2                | 54.8      |
| 16 to 19 years         | 568                  | 572       | 43.1                | 43.2      | 562                  | 564       | 42.9                | 42.8      |
| 16 to 17 years         | 221                  | 230       | 33.7                | 34.9      | 221                  | 229       | 33.7                | 34.9      |
| 18 to 19 years         | 346                  | 342       | 52.4                | 51.3      | 341                  | 334       | 52.0                | 50.7      |
| 20 to 24 years         | 1,054                | 1,037     | 66.5                | 63.9      | 1,037                | 1,016     | 66.1                | 63.4      |
| 25 to 34 years         | 3,764                | 3,999     | 65.7                | 67.4      | 3,753                | 3,985     | 65.7                | 67.3      |
| 25 to 34 years         | 1,758                | 1,873     | 69.4                | 70.4      | 1,748                | 1,860     | 69.3                | 70.2      |
| 35 to 44 years         | 1,136                | 1,202     | 65.5                | 66.8      | 1,136                | 1,201     | 65.4                | 66.8      |
| 45 to 54 years         | 870                  | 924       | 59.7                | 62.6      | 870                  | 924       | 59.7                | 62.6      |
| 55 to 64 years         | 481                  | 507       | 43.1                | 44.1      | 481                  | 507       | 43.1                | 44.1      |
| 55 to 59 years         | 312                  | 320       | 50.4                | 51.2      | 312                  | 320       | 50.4                | 51.2      |
| 60 to 64 years         | 169                  | 187       | 34.0                | 35.6      | 169                  | 187       | 34.0                | 35.6      |
| 65 years and over      | 127                  | 134       | 9.8                 | 10.1      | 127                  | 134       | 9.8                 | 10.1      |

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## A-5. Employment status of black workers by sex and age

[Numbers in thousands]

| Sex and age             | August 1980          |          |             |                            |        |                        | Not in labor force |
|-------------------------|----------------------|----------|-------------|----------------------------|--------|------------------------|--------------------|
|                         | Civilian labor force |          |             |                            |        | Percent of labor force |                    |
|                         | Total                | Employed |             |                            | Number |                        |                    |
|                         |                      | Total    | Agriculture | Nonagricultural industries |        |                        |                    |
| <b>TOTAL</b>            |                      |          |             |                            |        |                        |                    |
| 16 years and over ..... | 10,875               | 9,304    | 205         | 9,099                      | 1,572  | 14.5                   | 6,602              |
| 16 to 19 years .....    | 1,015                | 684      | 29          | 655                        | 331    | 32.6                   | 1,221              |
| 16 to 17 years .....    | 408                  | 282      | 18          | 265                        | 125    | 30.8                   | 751                |
| 18 to 19 years .....    | 607                  | 401      | 11          | 390                        | 206    | 33.9                   | 470                |
| 20 to 24 years .....    | 1,802                | 1,385    | 25          | 1,359                      | 417    | 23.1                   | 669                |
| 25 to 54 years .....    | 6,831                | 6,082    | 117         | 5,965                      | 749    | 11.0                   | 2,064              |
| 25 to 34 years .....    | 3,124                | 2,706    | 37          | 2,669                      | 418    | 13.4                   | 781                |
| 35 to 44 years .....    | 2,060                | 1,856    | 85          | 1,812                      | 204    | 9.9                    | 633                |
| 45 to 54 years .....    | 1,647                | 1,520    | 36          | 1,484                      | 128    | 7.7                    | 650                |
| 55 to 64 years .....    | 971                  | 924      | 20          | 904                        | 48     | 4.9                    | 877                |
| 55 to 59 years .....    | 600                  | 569      | 9           | 560                        | 31     | 5.2                    | 394                |
| 60 to 64 years .....    | 371                  | 355      | 11          | 344                        | 16     | 4.4                    | 483                |
| 65 years and over ..... | 256                  | 230      | 13          | 217                        | 27     | 10.4                   | 1,771              |
| <b>Males</b>            |                      |          |             |                            |        |                        |                    |
| 16 years and over ..... | 5,644                | 4,808    | 168         | 4,640                      | 837    | 14.8                   | 2,184              |
| 16 to 19 years .....    | 538                  | 365      | 26          | 339                        | 173    | 32.2                   | 542                |
| 16 to 17 years .....    | 218                  | 151      | 15          | 137                        | 66     | 30.3                   | 360                |
| 18 to 19 years .....    | 320                  | 213      | 11          | 202                        | 107    | 33.4                   | 182                |
| 20 to 24 years .....    | 932                  | 703      | 17          | 685                        | 229    | 24.6                   | 161                |
| 25 to 54 years .....    | 3,513                | 3,120    | 95          | 3,024                      | 393    | 11.2                   | 461                |
| 25 to 34 years .....    | 1,574                | 1,364    | 30          | 1,334                      | 211    | 13.4                   | 152                |
| 35 to 44 years .....    | 1,061                | 954      | 34          | 920                        | 107    | 10.1                   | 124                |
| 45 to 54 years .....    | 877                  | 802      | 32          | 770                        | 76     | 8.7                    | 185                |
| 55 to 64 years .....    | 530                  | 506      | 16          | 490                        | 25     | 4.7                    | 311                |
| 55 to 59 years .....    | 324                  | 309      | 7           | 303                        | 15     | 4.6                    | 134                |
| 60 to 64 years .....    | 206                  | 196      | 9           | 187                        | 9      | 4.4                    | 177                |
| 65 years and over ..... | 131                  | 115      | 12          | 103                        | 17     | 13.0                   | 709                |
| <b>Females</b>          |                      |          |             |                            |        |                        |                    |
| 16 years and over ..... | 5,231                | 4,496    | 37          | 4,459                      | 735    | 14.1                   | 4,418              |
| 16 to 19 years .....    | 477                  | 319      | 3           | 316                        | 158    | 33.1                   | 679                |
| 16 to 17 years .....    | 190                  | 131      | 3           | 128                        | 59     | 30.9                   | 391                |
| 18 to 19 years .....    | 287                  | 188      | --          | 188                        | 99     | 34.6                   | 288                |
| 20 to 24 years .....    | 870                  | 682      | 8           | 674                        | 188    | 21.6                   | 508                |
| 25 to 54 years .....    | 3,318                | 2,962    | 22          | 2,941                      | 356    | 10.7                   | 1,603              |
| 25 to 34 years .....    | 1,550                | 1,342    | 7           | 1,335                      | 207    | 13.4                   | 629                |
| 35 to 44 years .....    | 999                  | 902      | 11          | 892                        | 97     | 9.7                    | 509                |
| 45 to 54 years .....    | 770                  | 718      | 4           | 714                        | 52     | 6.8                    | 465                |
| 55 to 64 years .....    | 441                  | 418      | 4           | 414                        | 23     | 5.1                    | 566                |
| 55 to 59 years .....    | 276                  | 260      | 2           | 257                        | 16     | 5.8                    | 260                |
| 60 to 64 years .....    | 165                  | 159      | 2           | 157                        | 7      | 4.0                    | 306                |
| 65 years and over ..... | 125                  | 115      | 1           | 114                        | 10     | 8.1                    | 1,062              |

NOTE: According to the 1970 Census, black workers comprised about 88 percent of the "black and other" population group.

## A-6. Employment status of the noninstitutional population by race, sex, and age

(Numbers in thousands)

| Employment status and race        | Total     |           | Males, 20 years and over |           | Females, 20 years and over |           | Both sexes, 16-19 years |           |
|-----------------------------------|-----------|-----------|--------------------------|-----------|----------------------------|-----------|-------------------------|-----------|
|                                   | Aug. 1979 | Aug. 1980 | Aug. 1979                | Aug. 1980 | Aug. 1979                  | Aug. 1980 | Aug. 1979               | Aug. 1980 |
| <b>TOTAL</b>                      |           |           |                          |           |                            |           |                         |           |
| Total noninstitutional population | 163,891   | 166,578   | 70,099                   | 77,430    | 77,127                     | 78,607    | 16,665                  | 16,541    |
| Total labor force                 | 106,454   | 108,240   | 56,701                   | 57,439    | 38,768                     | 40,059    | 10,984                  | 10,742    |
| Percent of population             | 65.0      | 65.0      | 80.9                     | 80.4      | 50.3                       | 51.0      | 65.9                    | 64.9      |
| Civilian labor force              | 104,363   | 106,126   | 55,020                   | 55,765    | 38,647                     | 39,925    | 10,696                  | 10,437    |
| Employed                          | 98,226    | 98,115    | 52,895                   | 52,308    | 36,174                     | 37,091    | 9,157                   | 8,716     |
| Agriculture                       | 3,795     | 3,636     | 2,554                    | 2,455     | 712                        | 651       | 529                     | 530       |
| Nonagricultural industries        | 94,431    | 94,480    | 50,341                   | 49,853    | 35,462                     | 36,440    | 8,628                   | 8,186     |
| Unemployed                        | 6,137     | 8,011     | 2,125                    | 3,457     | 2,473                      | 2,833     | 1,539                   | 1,720     |
| Percent of labor force            | 5.9       | 7.5       | 3.9                      | 6.2       | 6.4                        | 7.1       | 14.4                    | 16.5      |
| Not in labor force                | 57,438    | 58,338    | 13,397                   | 13,991    | 38,359                     | 38,548    | 5,681                   | 5,799     |
| <b>White</b>                      |           |           |                          |           |                            |           |                         |           |
| Total noninstitutional population | 143,461   | 145,530   | 61,997                   | 63,060    | 67,409                     | 68,562    | 14,055                  | 13,908    |
| Total labor force                 | 93,381    | 94,839    | 50,384                   | 50,986    | 33,341                     | 34,382    | 9,655                   | 9,471     |
| Percent of population             | 65.1      | 65.2      | 81.3                     | 80.9      | 49.5                       | 50.1      | 68.7                    | 68.1      |
| Civilian labor force              | 91,742    | 93,208    | 49,058                   | 49,686    | 33,249                     | 34,283    | 9,436                   | 9,240     |
| Employed                          | 86,995    | 86,937    | 47,390                   | 46,964    | 31,370                     | 32,094    | 8,236                   | 7,878     |
| Agriculture                       | 3,435     | 3,368     | 2,296                    | 2,269     | 656                        | 604       | 484                     | 495       |
| Nonagricultural industries        | 83,560    | 83,568    | 45,094                   | 44,695    | 30,714                     | 31,490    | 7,752                   | 7,384     |
| Unemployed                        | 4,747     | 6,272     | 1,668                    | 2,721     | 1,879                      | 2,189     | 1,200                   | 1,361     |
| Percent of labor force            | 5.2       | 6.7       | 3.4                      | 5.5       | 5.7                        | 6.4       | 12.7                    | 14.7      |
| Not in labor force                | 50,080    | 50,692    | 11,613                   | 12,075    | 34,067                     | 34,180    | 4,400                   | 4,437     |
| <b>Black and other</b>            |           |           |                          |           |                            |           |                         |           |
| Total noninstitutional population | 20,431    | 21,048    | 8,101                    | 8,370     | 9,719                      | 10,045    | 2,611                   | 2,633     |
| Total labor force                 | 13,073    | 13,401    | 6,317                    | 6,453     | 5,426                      | 5,676     | 1,329                   | 1,272     |
| Percent of population             | 64.0      | 63.7      | 78.0                     | 77.1      | 55.8                       | 56.5      | 50.9                    | 48.3      |
| Civilian labor force              | 12,621    | 12,918    | 5,962                    | 6,079     | 5,398                      | 5,642     | 1,261                   | 1,197     |
| Employed                          | 11,231    | 11,179    | 5,505                    | 5,343     | 4,804                      | 4,997     | 922                     | 838       |
| Agriculture                       | 360       | 267       | 259                      | 185       | 55                         | 46        | 45                      | 36        |
| Nonagricultural industries        | 10,872    | 10,911    | 5,247                    | 5,158     | 4,748                      | 4,951     | 877                     | 802       |
| Unemployed                        | 1,390     | 1,739     | 457                      | 736       | 594                        | 645       | 339                     | 359       |
| Percent of labor force            | 11.0      | 13.5      | 7.7                      | 12.1      | 11.0                       | 11.4      | 26.9                    | 30.0      |
| Not in labor force                | 7,358     | 7,647     | 1,784                    | 1,917     | 4,292                      | 4,369     | 1,281                   | 1,361     |

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## A-7. Employment status of the noninstitutional population 16-21 years of age by race and sex

(Numbers in thousands)

| Employment status                       | August 1980 |        |         |            |        |         |                 |       |         |
|---|-------------|--------|---------|------------|--------|---------|-----------------|-------|---------|
|   | Total       |        |         | White      |        |         | Black and other |       |         |
|   | Both sexes  | Males  | Females | Both sexes | Males  | Females | Both sexes      | Males | Females |
| <b>TOTAL</b>                            |             |        |         |            |        |         |                 |       |         |
| Total noninstitutional population ..... | 25,044      | 12,657 | 12,387  | 21,113     | 10,714 | 10,399  | 3,932           | 1,943 | 1,988   |
| Total labor force .....                 | 17,463      | 9,571  | 7,893   | 15,265     | 8,358  | 6,907   | 2,199           | 1,212 | 986     |
| Percent of population .....             | 69.7        | 75.6   | 63.7    | 72.3       | 78.0   | 66.4    | 55.9            | 62.4  | 49.6    |
| Civilian labor force .....              | 16,752      | 8,924  | 7,829   | 14,732     | 7,872  | 6,860   | 2,020           | 1,051 | 969     |
| Employed .....                          | 14,245      | 7,554  | 6,691   | 12,766     | 6,785  | 5,981   | 1,480           | 769   | 710     |
| Agriculture .....                       | 697         | 583    | 114     | 651        | 546    | 105     | 46              | 37    | 9       |
| Nonagricultural industries .....        | 13,548      | 6,971  | 6,577   | 12,114     | 6,238  | 5,876   | 1,434           | 733   | 701     |
| Unemployed .....                        | 2,507       | 1,370  | 1,137   | 1,967      | 1,088  | 879     | 540             | 282   | 258     |
| Looking for full-time work .....        | 1,806       | 1,013  | 793     | 1,399      | 791    | 608     | 407             | 222   | 185     |
| Looking for part-time work .....        | 701         | 357    | 345     | 568        | 297    | 271     | 134             | 60    | 74      |
| Percent of labor force .....            | 15.0        | 15.3   | 14.5    | 13.3       | 13.8   | 12.8    | 26.8            | 26.8  | 26.7    |
| Not in labor force .....                | 7,581       | 3,086  | 4,495   | 5,848      | 2,355  | 3,493   | 1,733           | 731   | 1,002   |
| Major activity: going to school         |             |        |         |            |        |         |                 |       |         |
| Civilian labor force .....              | 159         | 76     | 84      | 129        | 61     | 68      | 30              | 15    | 16      |
| Employed .....                          | 115         | 54     | 61      | 98         | 47     | 51      | 16              | 7     | 9       |
| Agriculture .....                       | --          | --     | 2       | --         | --     | 2       | --              | --    | --      |
| Nonagricultural industries .....        | 115         | 56     | 59      | 98         | 49     | 49      | 17              | 7     | 9       |
| Unemployed .....                        | 44          | 21     | 23      | 30         | 14     | 16      | 14              | 7     | 7       |
| Looking for full-time work .....        | 15          | 2      | 13      | 10         | 1      | 10      | 4               | 1     | 3       |
| Looking for part-time work .....        | 30          | 19     | 10      | 20         | 13     | 7       | 10              | 6     | 3       |
| Percent of labor force .....            | 27.9        | 28.4   | 27.6    | 23.6       | (1)    | (1)     | (1)             | (1)   | (1)     |
| Not in labor force .....                | 915         | 436    | 480     | 662        | 306    | 356     | 253             | 130   | 123     |
| Major activity: other                   |             |        |         |            |        |         |                 |       |         |
| Civilian labor force .....              | 16,593      | 8,848  | 7,745   | 14,604     | 7,811  | 6,792   | 1,990           | 1,037 | 953     |
| Employed .....                          | 14,131      | 7,500  | 6,631   | 12,667     | 6,738  | 5,930   | 1,463           | 762   | 701     |
| Agriculture .....                       | 697         | 585    | 112     | 651        | 548    | 103     | 46              | 37    | 9       |
| Nonagricultural industries .....        | 13,434      | 6,915  | 6,518   | 12,016     | 6,190  | 5,827   | 1,417           | 726   | 692     |
| Unemployed .....                        | 2,463       | 1,348  | 1,114   | 1,936      | 1,074  | 862     | 526             | 275   | 252     |
| Looking for full-time work .....        | 1,791       | 1,011  | 780     | 1,388      | 790    | 598     | 403             | 221   | 182     |
| Looking for part-time work .....        | 672         | 337    | 334     | 548        | 284    | 264     | 124             | 54    | 70      |
| Percent of labor force .....            | 14.8        | 15.2   | 14.4    | 13.3       | 13.7   | 12.7    | 26.5            | 26.5  | 26.4    |
| Not in labor force .....                | 6,666       | 2,651  | 4,015   | 5,186      | 2,049  | 3,136   | 1,480           | 601   | 879     |

<sup>1</sup> Percent not shown where base is less than 75,000.

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A-8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

| Race, sex, and age                | August 1980           |                                  |                                |  |                                  |              |  |  |                                  |
|-----------------------------------|-----------------------|----------------------------------|--------------------------------|--|----------------------------------|--------------|--|--|----------------------------------|
|                                   | Full-time labor force |                                  |                                |  | Part-time labor force            |              |  |  |                                  |
|                                   | Total                 | Employed                         |                                | Unemployed<br>(looking for full-time work) |                                  | Total        | Employed on voluntary part time <sup>1</sup> | Unemployed<br>(looking for part-time work) |                                  |
|                                   |                       | Full-time schedules <sup>1</sup> | Part time for economic reasons | Number                                     | Percent of full-time labor force |              |  | Number                                     | Percent of part-time labor force |
| <b>TOTAL</b>                      |                       |                                  |                                |  |                                  |              |  |  |                                  |
| Both sexes, 16 years and over     | 93,088                | 81,166                           | 5,133                          | 6,789                                      | 7.3                              | 13,038       | 11,816                                       | 1,222                                      | 9.4                              |
| 16 to 21 years                    | 12,836                | 9,162                            | 1,868                          | 1,806                                      | 14.1                             | 3,917        | 3,215  | 701  | 17.9                             |
| 16 to 19 years                    | 7,244                 | 4,748                            | 1,406                          | 1,090                                      | 15.0                             | 3,193        | 2,562  | 631  | 19.8                             |
| 16 to 17 years                    | 2,381                 | 1,373                            | 648                            | 360  | 15.1                             | 2,040        | 1,570  | 470  | 23.0                             |
| 18 to 19 years                    | 4,862                 | 3,375                            | 757                            | 730  | 15.0                             | 1,153        | 992  | 161  | 14.0                             |
| 20 years and over                 | 85,844                | 76,417                           | 3,728                          | 5,699                                      | 6.6                              | 9,845        | 9,254  | 591  | 6.0                              |
| 20 to 24 years                    | 14,436                | 11,778                           | 958                            | 1,700                                      | 11.8                             | 1,523        | 1,378  | 145  | 9.5                              |
| 25 years and over                 | 71,409                | 64,639                           | 2,770                          | 3,999                                      | 5.6                              | 8,323        | 7,875  | 447  | 5.4                              |
| 25 to 54 years                    | 59,468                | 53,628                           | 2,243                          | 3,596                                      | 6.0                              | 5,490        | 5,134  | 356  | 6.5                              |
| 55 years and over                 | 11,941                | 11,011                           | 527                            | 403  | 3.4                              | 2,833        | 2,741  | 91   | 3.2                              |
| <b>Males, 16 years and over</b>   | <b>57,456</b>         | <b>51,013</b>                    | <b>2,535</b>                   | <b>3,908</b>                               | <b>6.8</b>                       | <b>3,894</b> | <b>3,427</b>                                 | <b>467</b>                                 | <b>12.0</b>                      |
| 16 to 21 years                    | 7,184                 | 5,256                            | 915                            | 1,013                                      | 14.1                             | 1,740        | 1,383  | 357  | 20.5                             |
| 16 to 19 years                    | 4,095                 | 2,817                            | 691                            | 587  | 14.3                             | 1,490        | 1,159  | 331  | 22.2                             |
| 20 years and over                 | 53,361                | 48,196                           | 1,843                          | 3,321                                      | 6.2                              | 2,404        | 2,269  | 136  | 5.6                              |
| 20 to 24 years                    | 8,113                 | 6,596                            | 485                            | 1,032                                      | 12.7                             | 505          | 464  | 40   | 8.0                              |
| 25 years and over                 | 45,248                | 41,600                           | 1,359                          | 2,289                                      | 5.1                              | 1,899        | 1,804  | 95   | 5.0                              |
| 25 to 54 years                    | 37,360                | 34,243                           | 1,100                          | 2,016                                      | 5.4                              | 677          | 623  | 54   | 8.0                              |
| 55 years and over                 | 7,888                 | 7,357                            | 259                            | 273  | 3.5                              | 1,222        | 1,181  | 41   | 3.4                              |
| <b>Females, 16 years and over</b> | <b>35,632</b>         | <b>30,153</b>                    | <b>2,599</b>                   | <b>2,881</b>                               | <b>8.1</b>                       | <b>9,144</b> | <b>8,389</b>                                 | <b>755</b>                                 | <b>8.3</b>                       |
| 16 to 21 years                    | 5,652                 | 3,906                            | 953                            | 793  | 14.0                             | 2,177        | 1,832  | 345  | 15.8                             |
| 16 to 19 years                    | 3,149                 | 1,931                            | 714                            | 503  | 16.0                             | 1,703        | 1,404  | 300  | 17.6                             |
| 20 years and over                 | 32,483                | 28,221                           | 1,884                          | 2,378                                      | 7.3                              | 7,441        | 6,986  | 456  | 6.1                              |
| 20 to 24 years                    | 6,322                 | 5,182                            | 473                            | 668  | 10.6                             | 518          | 914  | 104  | 10.2                             |
| 25 years and over                 | 26,160                | 23,039                           | 1,411                          | 1,710                                      | 6.5                              | 6,424        | 6,072  | 352  | 5.5                              |
| 25 to 54 years                    | 22,108                | 19,385                           | 1,143                          | 1,579                                      | 7.1                              | 4,813        | 4,512  | 302  | 6.3                              |
| 55 years and over                 | 4,053                 | 3,654                            | 268                            | 130  | 3.2                              | 1,611        | 1,560  | 51   | 3.2                              |
| <b>White</b>                      |                       |                                  |                                |  |                                  |              |  |  |                                  |
| <b>Males, 16 years and over</b>   | <b>51,177</b>         | <b>45,975</b>                    | <b>2,134</b>                   | <b>3,068</b>                               | <b>6.0</b>                       | <b>3,460</b> | <b>3,077</b>                                 | <b>383</b>                                 | <b>11.1</b>                      |
| 16 to 21 years                    | 6,352                 | 4,779                            | 783                            | 791  | 12.5                             | 1,520        | 1,223  | 297  | 19.5                             |
| 16 to 19 years                    | 3,640                 | 2,602                            | 583                            | 455  | 12.5                             | 1,312        | 1,037  | 274  | 20.9                             |
| 20 years and over                 | 47,538                | 43,373                           | 1,551                          | 2,613                                      | 5.5                              | 2,148        | 2,040  | 108  | 5.0                              |
| 20 to 24 years                    | 7,108                 | 5,903                            | 426                            | 779  | 11.0                             | 425          | 389  | 36   | 8.4                              |
| 25 years and over                 | 40,430                | 37,470                           | 1,125                          | 1,833                                      | 4.5                              | 1,723        | 1,651  | 73   | 4.2                              |
| 25 to 54 years                    | 33,226                | 30,725                           | 903                            | 1,597                                      | 4.8                              | 604          | 563  | 42   | 7.0                              |
| 55 years and over                 | 7,204                 | 6,745                            | 222                            | 236  | 3.3                              | 1,119        | 1,088  | 32   | 2.9                              |
| <b>Females, 16 years and over</b> | <b>30,308</b>         | <b>25,928</b>                    | <b>2,179</b>                   | <b>2,200</b>                               | <b>7.3</b>                       | <b>8,263</b> | <b>7,643</b>                                 | <b>621</b>                                 | <b>7.5</b>                       |
| 16 to 21 years                    | 4,927                 | 3,501                            | 818                            | 608  | 12.3                             | 1,933        | 1,662  | 271  | 14.0                             |
| 16 to 19 years                    | 2,778                 | 1,761                            | 620                            | 398  | 14.3                             | 1,510        | 1,275  | 235  | 15.5                             |
| 20 years and over                 | 27,529                | 24,168                           | 1,559                          | 1,803                                      | 6.5                              | 6,753        | 6,367  | 386  | 5.7                              |
| 20 to 24 years                    | 5,417                 | 4,534                            | 399                            | 484  | 8.9                              | 908          | 825  | 84   | 9.2                              |
| 25 years and over                 | 22,112                | 19,633                           | 1,160                          | 1,320                                      | 6.0                              | 5,845        | 5,543  | 303  | 5.2                              |
| 25 to 54 years                    | 18,519                | 16,364                           | 939                            | 1,217                                      | 6.6                              | 4,416        | 4,154  | 262  | 5.9                              |
| 55 years and over                 | 3,593                 | 3,269                            | 222                            | 103  | 2.9                              | 1,429        | 1,388  | 41   | 2.9                              |
| <b>Black and other</b>            |                       |                                  |                                |  |                                  |              |  |  |                                  |
| <b>Males, 16 years and over</b>   | <b>6,279</b>          | <b>5,038</b>                     | <b>400</b>                     | <b>841</b>                                 | <b>13.4</b>                      | <b>434</b>   | <b>350</b>                                   | <b>84</b>                                  | <b>19.3</b>                      |
| 16 to 21 years                    | 832                   | 477                              | 132                            | 222  | 26.7                             | 220          | 160  | 60   | 27.3                             |
| 16 to 19 years                    | 455                   | 215                              | 108                            | 132  | 29.0                             | 178          | 121  | 57   | 31.9                             |
| 20 years and over                 | 5,823                 | 4,823                            | 292                            | 708  | 12.2                             | 256          | 229  | 27   | 10.6                             |
| 20 to 24 years                    | 1,005                 | 693                              | 59                             | 253  | 25.2                             | 80           | 75   | 5  | 6.1                              |
| 25 years and over                 | 4,819                 | 4,129                            | 233                            | 456  | 9.5                              | 176          | 153  | 23   | 13.1                             |
| 25 to 54 years                    | 4,134                 | 3,519                            | 196                            | 419  | 10.1                             | 73           | 59   | 13   | (2)                              |
| 55 years and over                 | 684                   | 610                              | 37                             | 37   | 5.4                              | 103          | 94   | 10   | 9.7                              |
| <b>Females, 16 years and over</b> | <b>5,325</b>          | <b>4,224</b>                     | <b>420</b>                     | <b>680</b>                                 | <b>12.8</b>                      | <b>881</b>   | <b>747</b>                                   | <b>134</b>                                 | <b>15.3</b>                      |
| 16 to 21 years                    | 725                   | 404                              | 135                            | 185  | 25.5                             | 244          | 170  | 74   | 30.2                             |
| 16 to 19 years                    | 370                   | 171                              | 95                             | 105  | 28.4                             | 193          | 128  | 65   | 33.6                             |
| 20 years and over                 | 4,954                 | 4,054                            | 325                            | 575  | 11.6                             | 688          | 618  | 69   | 10.1                             |
| 20 to 24 years                    | 906                   | 648                              | 74                             | 184  | 20.3                             | 110          | 89   | 21   | 18.8                             |
| 25 years and over                 | 4,048                 | 3,406                            | 251                            | 391  | 9.7                              | 578          | 529  | 48   | 8.3                              |
| 25 to 54 years                    | 3,588                 | 3,021                            | 204                            | 363  | 10.1                             | 397          | 357  | 40   | 10.1                             |
| 55 years and over                 | 460                   | 385                              | 46                             | 28   | 6.1                              | 182          | 172  | 9  | 4.9                              |

<sup>1</sup> Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

<sup>2</sup> Percent not shown where base is less than 75,000.

# HOUSEHOLD DATA

## A-9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

| Family relationship                               | August 1980          |                       |          |            |                        |                    |               |                 |                |               |
|---|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|   | Civilian labor force |                       |          |            |                        | Not in labor force |               |                 |                |               |
|   | Total                | Percent of population | Employed | Unemployed |                        | Total              | Keeping house | Going to school | Unable to work | Other reasons |
|   |                      |                       |          | Number     | Percent of labor force |                    |               |                 |                |               |
| Total, 16 years and over .....                    | 106,126              | 64.5                  | 98,115   | 8,011      | 7.5                    | 58,338             | 32,571        | 1,521           | 2,559          | 21,688        |
| Husbands <sup>1</sup> .....                       | 40,893               | 80.9                  | 39,076   | 1,817      | 4.4                    | 9,641              | 149           | 101             | 1,035          | 8,356         |
| With employed wife .....                          | 20,114               | 92.1                  | 19,309   | 805        | 4.0                    | 1,734              | 30            | 48              | 301            | 1,354         |
| With unemployed wife .....                        | 1,440                | 91.5                  | 1,258    | 182        | 12.6                   | 133                | 6             | 5               | 38             | 84            |
| With wife not in labor force .....                | 17,403               | 70.7                  | 16,680   | 724        | 4.2                    | 7,213              | 91            | 33              | 614            | 6,475         |
| Wives .....                                       | 23,421               | 48.8                  | 21,848   | 1,573      | 6.7                    | 24,617             | 21,806        | 127             | 267            | 2,418         |
| With employed husband .....                       | 20,567               | 55.2                  | 19,309   | 1,258      | 6.1                    | 16,679             | 15,142        | 119             | 92             | 1,327         |
| With unemployed husband .....                     | 987                  | 57.7                  | 805      | 182        | 18.4                   | 724                | 670           | -               | 8              | 46            |
| With husband not in labor force .....             | 1,867                | 20.6                  | 1,734    | 133        | 7.1                    | 7,213              | 5,994         | 9               | 167            | 1,044         |
| Relatives in married-couple families .....        | 16,093               | 68.4                  | 13,941   | 2,152      | 13.4                   | 7,427              | 1,538         | 777             | 340            | 4,771         |
| 16-19 years .....                                 | 7,699                | 66.2                  | 6,565    | 1,135      | 14.7                   | 3,926              | 414           | 419             | 22             | 3,072         |
| 20-24 years .....                                 | 5,493                | 81.6                  | 4,799    | 694        | 12.6                   | 1,238              | 191           | 304             | 30             | 713           |
| 25 years and over .....                           | 2,901                | 56.2                  | 2,577    | 323        | 11.1                   | 2,263              | 933           | 54              | 288            | 986           |
| Females who maintain families .....               | 5,140                | 58.0                  | 4,640    | 500        | 9.7                    | 3,715              | 2,934         | 51              | 127            | 603           |
| Relatives in families maintained by females ..... | 4,603                | 59.8                  | 3,733    | 870        | 18.9                   | 3,097              | 865           | 252             | 221            | 1,758         |
| 16-19 years .....                                 | 1,557                | 55.4                  | 1,156    | 402        | 25.8                   | 1,257              | 191           | 146             | 5              | 913           |
| 20-24 years .....                                 | 1,411                | 76.5                  | 1,155    | 256        | 18.1                   | 1,433              | 121           | 76              | 17             | 218           |
| 25 years and over .....                           | 1,635                | 57.8                  | 1,422    | 212        | 13.0                   | 1,407              | 553           | 30              | 199            | 627           |
| Persons not living in families <sup>2</sup> ..... | 15,976               | 61.9                  | 14,877   | 1,099      | 6.9                    | 9,841              | 5,279         | 213             | 569            | 3,782         |

<sup>1</sup> Includes a small number of single, separated, widowed, or divorced men who had families.

<sup>2</sup> Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

## A-10. Unemployed persons by marital status, sex, age, and race

| Marital status, sex, age, and race           | Males                          |           |                    |           | Females              |           |                    |           |
|--|--------------------------------|-----------|--------------------|-----------|----------------------|-----------|--------------------|-----------|
|  | Thousands of persons           |           | Unemployment rates |           | Thousands of persons |           | Unemployment rates |           |
|  | Aug. 1979                      | Aug. 1980 | Aug. 1979          | Aug. 1980 | Aug. 1979            | Aug. 1980 | Aug. 1979          | Aug. 1980 |
|  | Total, 16 years and over ..... | 2,885     | 4,375              | 4.7       | 7.1                  | 3,252     | 3,636              | 7.5       |
| Married, spouse present .....                | 1,069                          | 1,828     | 2.6                | 4.6       | 1,413                | 1,660     | 6.0                | 6.9       |
| Widowed, divorced, or separated .....        | 291                            | 447       | 6.2                | 8.6       | 580                  | 668       | 7.2                | 7.9       |
| Single (never married) .....                 | 1,525                          | 2,100     | 9.8                | 12.9      | 1,259                | 1,308     | 10.5               | 10.6      |
| White, 16 years and over .....               | 2,271                          | 3,451     | 4.2                | 6.3       | 2,476                | 2,821     | 6.0                | 7.3       |
| Married, spouse present .....                | 907                            | 1,533     | 2.5                | 4.2       | 1,217                | 1,436     | 5.8                | 6.7       |
| Widowed, divorced, or separated .....        | 218                            | 329       | 5.8                | 7.6       | 407                  | 482       | 6.3                | 7.1       |
| Single (never married) .....                 | 1,146                          | 1,588     | 8.6                | 11.4      | 852                  | 903       | 8.4                | 8.7       |
| Black and other, 16 years and over .....     | 614                            | 924       | 9.2                | 13.8      | 776                  | 815       | 13.0               | 13.1      |
| Married, spouse present .....                | 162                            | 295       | 4.6                | 8.3       | 196                  | 224       | 8.0                | 8.6       |
| Widowed, divorced, or separated .....        | 73                             | 118       | 8.1                | 13.8      | 173                  | 185       | 11.0               | 11.4      |
| Single (never married) .....                 | 379                            | 511       | 17.2               | 22.1      | 407                  | 405       | 21.1               | 20.6      |
| Total, 20 to 64 years of age .....           | 2,067                          | 3,391     | 3.9                | 6.3       | 2,432                | 2,799     | 6.5                | 7.2       |
| Married, spouse present .....                | 999                            | 1,758     | 2.6                | 4.6       | 1,295                | 1,580     | 5.7                | 6.8       |
| Widowed, divorced, or separated .....        | 273                            | 431       | 6.2                | 8.8       | 539                  | 628       | 7.3                | 8.1       |
| Single (never married) .....                 | 795                            | 1,203     | 7.9                | 11.2      | 598                  | 592       | 8.0                | 7.6       |
| White, 20 to 64 years of age .....           | 1,621                          | 2,674     | 3.4                | 5.6       | 1,847                | 2,165     | 5.7                | 6.5       |
| Married, spouse present .....                | 838                            | 1,476     | 2.4                | 4.2       | 1,108                | 1,362     | 5.5                | 6.6       |
| Widowed, divorced, or separated .....        | 210                            | 319       | 5.9                | 7.8       | 375                  | 452       | 6.4                | 7.3       |
| Single (never married) .....                 | 572                            | 879       | 6.7                | 9.7       | 364                  | 352       | 6.0                | 5.5       |
| Black and other, 20 to 64 years of age ..... | 446                            | 717       | 7.7                | 12.1      | 585                  | 635       | 11.1               | 11.5      |
| Married, spouse present .....                | 159                            | 281       | 4.6                | 8.2       | 187                  | 219       | 7.9                | 8.6       |
| Widowed, divorced, or separated .....        | 63                             | 113       | 7.4                | 13.8      | 164                  | 176       | 11.0               | 11.4      |
| Single (never married) .....                 | 222                            | 323       | 14.8               | 19.3      | 234                  | 240       | 16.8               | 16.8      |

## A-11. Unemployed persons by occupation of last job and sex

| Occupation                               | Thousands of persons |           | Unemployment rates |           |           |           |           |           |
|--|----------------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|
|  |                      |           | Total              |           | Males     |           | Females   |           |
|  | Aug. 1979            | Aug. 1980 | Aug. 1979          | Aug. 1980 | Aug. 1979 | Aug. 1980 | Aug. 1979 | Aug. 1980 |
| Total, 16 years and over                 | 6,137                | 8,011     | 5.9                | 7.5       | 4.7       | 7.1       | 7.5       | 8.1       |
| White-collar workers                     | 1,951                | 2,127     | 3.8                | 4.0       | 2.3       | 2.6       | 5.2       | 5.3       |
| Professional and technical               | 511                  | 495       | 3.4                | 3.2       | 2.2       | 2.2       | 5.1       | 4.5       |
| Managers and administrators, except farm | 232                  | 255       | 2.1                | 2.2       | 1.6       | 1.7       | 3.5       | 3.6       |
| Sales workers                            | 259                  | 262       | 4.0                | 4.1       | 2.6       | 3.5       | 5.7       | 4.8       |
| Clerical workers                         | 948                  | 1,116     | 5.1                | 5.8       | 3.9       | 4.7       | 5.4       | 6.0       |
| Blue-collar workers                      | 2,301                | 3,588     | 6.5                | 10.3      | 5.7       | 9.6       | 9.8       | 13.4      |
| Craft and kindred workers                | 532                  | 910       | 3.9                | 6.7       | 3.9       | 6.6       | 4.0       | 8.2       |
| Carpenters and other construction craft  | 205                  | 451       | 4.6                | 10.3      | 4.6       | 10.3      | (1)       | 11.9      |
| All other                                | 327                  | 459       | 3.5                | 5.0       | 3.5       | 4.8       | 3.8       | 7.8       |
| Operatives, except transport             | 1,026                | 1,553     | 8.4                | 13.1      | 6.8       | 12.1      | 10.7      | 14.6      |
| Transport equipment operatives           | 218                  | 366       | 5.7                | 9.6       | 5.7       | 9.3       | 6.3       | 13.8      |
| Nonfarm laborers                         | 525                  | 760       | 9.2                | 13.8      | 9.0       | 14.2      | 10.8      | 10.8      |
| Construction laborers                    | 157                  | 190       | 12.9               | 17.8      | 12.7      | 17.3      | (1)       | (1)       |
| All other                                | 368                  | 570       | 8.2                | 12.8      | 7.9       | 13.3      | 10.2      | 9.4       |
| Service workers                          | 957                  | 1,208     | 6.9                | 8.4       | 5.9       | 8.5       | 7.6       | 8.3       |
| Private household                        | 49                   | 50        | 4.3                | 4.7       | (1)       | (1)       | 4.4       | 4.6       |
| All other                                | 908                  | 1,158     | 7.2                | 8.7       | 5.9       | 8.5       | 8.0       | 8.8       |
| Farm workers                             | 93                   | 135       | 2.9                | 4.3       | 2.4       | 3.6       | 4.8       | 7.5       |
| No previous work experience              | 635                  | 952       | --                 | --        | --        | --        | --        | --        |
| 16 to 19 years                           | 593                  | 699       | --                 | --        | --        | --        | --        | --        |
| 20 to 24 years                           | 158                  | 148       | --                 | --        | --        | --        | --        | --        |
| 25 years and over                        | 86                   | 107       | --                 | --        | --        | --        | --        | --        |

<sup>1</sup> Percent not shown where base is less than 75,000.

## A-12. Unemployed persons by industry of last job and sex

| Industry  | Percent distribution |           | Unemployment rates |           |           |           |           |           |
|---|----------------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|
|   |                      |           | Total              |           | Males     |           | Females   |           |
|   | Aug. 1979            | Aug. 1980 | Aug. 1979          | Aug. 1980 | Aug. 1979 | Aug. 1980 | Aug. 1979 | Aug. 1980 |
| Total, 16 years and over                        | 100.0                | 100.0     | 5.9                | 7.5       | 4.7       | 7.1       | 7.5       | 8.1       |
| Nonagricultural private wage and salary workers | 70.5                 | 74.3      | 5.6                | 7.6       | 4.8       | 7.5       | 6.8       | 7.8       |
| Mining  | .7                   | .8        | 4.7                | 5.9       | 4.2       | 5.7       | 8.5       | 7.2       |
| Construction                                    | 5.8                  | 8.3       | 6.6                | 12.7      | 6.6       | 13.0      | 7.9       | 9.1       |
| Manufacturing                                   | 22.0                 | 26.7      | 5.8                | 9.2       | 4.7       | 8.3       | 8.0       | 11.1      |
| Durable goods                                   | 12.1                 | 18.0      | 5.3                | 10.4      | 4.8       | 9.8       | 6.8       | 12.1      |
| Lumber and wood products                        | .6                   | 1.1       | 5.2                | 13.5      | 5.1       | 14.4      | 5.2       | 7.7       |
| Furniture and fixtures                          | .6                   | .7        | 6.6                | 10.1      | 5.2       | 8.4       | 9.2       | 14.2      |
| Stone, clay, and glass products                 | .7                   | .7        | 5.8                | 9.2       | 4.3       | 8.5       | 12.1      | 12.4      |
| Primary metal industries                        | .7                   | 2.1       | 3.4                | 13.1      | 3.6       | 12.8      | 2.1       | 15.4      |
| Fabricated metal products                       | 1.6                  | 2.2       | 6.1                | 11.1      | 5.0       | 9.9       | 10.1      | 15.6      |
| Machinery, except electrical equipment          | 1.3                  | 2.6       | 2.9                | 7.4       | 2.8       | 7.5       | 3.7       | 7.3       |
| Electrical equipment                            | 1.6                  | 2.4       | 4.2                | 7.8       | 3.2       | 5.5       | 5.5       | 10.6      |
| Transportation equipment                        | 3.8                  | 4.5       | 9.8                | 14.9      | 9.2       | 14.4      | 13.0      | 17.5      |
| Automobiles                                     | 3.0                  | 3.6       | 13.6               | 23.1      | 13.0      | 21.7      | 16.4      | 30.1      |
| Other transportation equipment                  | .8                   | .9        | 4.9                | 6.0       | 4.5       | 6.3       | 7.3       | 5.5       |
| Instruments and related products                | .3                   | .3        | 2.7                | 4.0       | 2.0       | 2.3       | 3.5       | 6.3       |
| Other durable goods industries                  | .7                   | 1.3       | 6.2                | 12.7      | 5.1       | 8.6       | 7.3       | 18.8      |
| Nondurable goods                                | 9.9                  | 8.7       | 6.4                | 7.5       | 4.5       | 5.6       | 9.2       | 10.3      |
| Food and kindred products                       | 2.9                  | 1.4       | 8.6                | 5.8       | 6.3       | 4.1       | 13.7      | 9.6       |
| Textile mill products                           | .9                   | .9        | 5.8                | 8.6       | 3.5       | 5.8       | 8.4       | 11.5      |
| Apparel and other textile products              | 2.3                  | 2.2       | 10.1               | 12.4      | 6.8       | 9.3       | 10.9      | 13.2      |
| Paper and allied products                       | .5                   | .7        | 3.7                | 7.4       | 2.2       | 6.4       | 8.1       | 11.2      |
| Printing and publishing                         | 1.1                  | 1.2       | 4.4                | 6.3       | 3.8       | 5.8       | 5.3       | 7.0       |
| Chemicals and allied products                   | .7                   | .8        | 3.3                | 5.3       | 3.3       | 5.0       | 3.2       | 6.1       |
| Rubber and plastics products                    | .6                   | 1.0       | 5.4                | 10.5      | 3.4       | 8.9       | 9.2       | 13.5      |
| Other nondurable goods industries               | .9                   | .4        | 8.0                | 5.0       | 7.4       | 2.9       | 9.4       | 7.1       |
| Transportation and public utilities             | 3.2                  | 3.9       | 3.5                | 5.5       | 3.0       | 5.5       | 5.0       | 5.5       |
| Railroads and railway express                   | .1                   | .3        | 1.1                | 4.3       | 1.2       | 4.2       | (1)       | (1)       |
| Other transportation                            | 2.3                  | 2.7       | 5.2                | 8.2       | 4.9       | 8.2       | 6.5       | 8.4       |
| Communication and other public utilities        | .8                   | .8        | 2.2                | 2.7       | 1.1       | 2.2       | 4.1       | 3.7       |
| Wholesale and retail trade                      | 19.6                 | 18.0      | 6.3                | 7.4       | 5.1       | 6.4       | 7.7       | 8.6       |
| Finance, insurance, and real estate             | 3.4                  | 2.3       | 3.8                | 3.2       | 2.4       | 3.2       | 4.6       | 3.3       |
| Service industries                              | 15.8                 | 14.4      | 5.7                | 6.8       | 5.1       | 6.2       | 6.0       | 6.5       |
| Professional services                           | 7.1                  | 6.1       | 4.5                | 4.8       | 3.1       | 3.7       | 5.1       | 5.3       |
| All other service industries                    | 8.8                  | 8.3       | 7.2                | 8.4       | 6.8       | 8.3       | 7.5       | 8.5       |
| Agricultural wage and salary workers            | 2.1                  | 2.2       | 7.3                | 10.5      | 6.4       | 9.1       | 10.4      | 15.5      |
| All other classes of workers                    | 13.7                 | 11.6      | 3.4                | 3.7       | 2.4       | 2.8       | 4.8       | 4.8       |
| No previous work experience                     | 13.6                 | 11.9      | --                 | --        | --        | --        | --        | --        |

<sup>1</sup> Percent not shown where base is less than 75,000.

# HOUSEHOLD DATA

## A-13. Unemployed persons by reason for unemployment, sex, age, and race

| Reason for unemployment              | Total unemployed |           | Males, 20 years and over |           | Females, 20 years and over |           | Both sexes, 16 to 19 years |           | White     |           | Black and other |           |
|--------------------------------------|------------------|-----------|--------------------------|-----------|----------------------------|-----------|----------------------------|-----------|-----------|-----------|-----------------|-----------|
|                                      | Aug. 1979        | Aug. 1980 | Aug. 1979                | Aug. 1980 | Aug. 1979                  | Aug. 1980 | Aug. 1979                  | Aug. 1980 | Aug. 1979 | Aug. 1980 | Aug. 1979       | Aug. 1980 |
| <b>UNEMPLOYMENT LEVEL</b>            |                  |           |                          |           |                            |           |                            |           |           |           |                 |           |
| Total unemployed, in thousands ..... | 6,137            | 8,011     | 2,125                    | 3,457     | 2,473                      | 2,833     | 1,539                      | 1,720     | 4,747     | 6,272     | 1,390           | 1,739     |
| Job losers .....                     | 2,539            | 4,164     | 1,335                    | 2,442     | 864                        | 1,269     | 340                        | 453       | 2,036     | 3,311     | 503             | 852       |
| On layoff .....                      | 879              | 1,641     | 463                      | 977       | 333                        | 546       | 82                         | 118       | 718       | 1,380     | 161             | 261       |
| Other job losers .....               | 1,660            | 2,523     | 872                      | 1,465     | 531                        | 723       | 258                        | 335       | 1,318     | 1,931     | 342             | 591       |
| Job leavers .....                    | 993              | 1,023     | 339                      | 398       | 422                        | 455       | 231                        | 171       | 810       | 872       | 183             | 152       |
| Reentrants .....                     | 1,771            | 1,872     | 381                      | 502       | 1,014                      | 973       | 376                        | 397       | 1,332     | 1,395     | 439             | 478       |
| New entrants .....                   | 833              | 951       | 69                       | 116       | 173                        | 137       | 591                        | 699       | 570       | 694       | 264             | 257       |
| <b>PERCENT DISTRIBUTION</b>          |                  |           |                          |           |                            |           |                            |           |           |           |                 |           |
| Total unemployed .....               | 100.0            | 100.0     | 100.0                    | 100.0     | 100.0                      | 100.0     | 100.0                      | 100.0     | 100.0     | 100.0     | 100.0           | 100.0     |
| Job losers .....                     | 41.4             | 52.0      | 62.9                     | 70.7      | 34.9                       | 44.8      | 22.1                       | 26.3      | 42.9      | 52.8      | 36.3            | 49.0      |
| On layoff .....                      | 14.3             | 20.5      | 21.8                     | 28.3      | 13.5                       | 19.3      | 5.3                        | 6.8       | 15.1      | 22.0      | 11.6            | 15.0      |
| Other job losers .....               | 27.1             | 31.5      | 41.1                     | 42.4      | 21.4                       | 25.5      | 16.8                       | 19.5      | 27.8      | 30.8      | 24.7            | 34.0      |
| Job leavers .....                    | 16.2             | 12.8      | 16.0                     | 11.5      | 17.1                       | 16.0      | 15.0                       | 9.9       | 17.1      | 13.9      | 13.2            | 8.7       |
| Reentrants .....                     | 28.9             | 23.4      | 17.9                     | 14.5      | 41.0                       | 34.4      | 24.5                       | 23.1      | 28.1      | 22.2      | 31.6            | 27.5      |
| New entrants .....                   | 13.6             | 11.9      | 3.2                      | 3.3       | 7.0                        | 4.8       | 38.4                       | 40.6      | 12.0      | 11.1      | 19.0            | 14.8      |
| <b>UNEMPLOYMENT RATE</b>             |                  |           |                          |           |                            |           |                            |           |           |           |                 |           |
| Total unemployment rate .....        | 5.9              | 7.5       | 3.9                      | 6.2       | 6.4                        | 7.1       | 14.4                       | 16.5      | 5.2       | 6.7       | 11.0            | 13.5      |
| Job loser rate <sup>1</sup> .....    | 2.4              | 3.9       | 2.4                      | 4.4       | 2.3                        | 3.2       | 3.2                        | 4.3       | 2.2       | 3.6       | 4.0             | 6.6       |
| Job leaver rate <sup>1</sup> .....   | 1.0              | 1.0       | .6                       | .7        | 1.1                        | 1.1       | 2.2                        | 1.6       | .9        | .9        | 1.5             | 1.2       |
| Reentrant rate <sup>1</sup> .....    | 1.7              | 1.8       | .7                       | .9        | 2.6                        | 2.4       | 3.5                        | 3.8       | 1.5       | 1.5       | 3.5             | 3.7       |
| New entrant rate <sup>1</sup> .....  | .8               | .9        | .1                       | .2        | .4                         | .3        | 5.5                        | 6.7       | .6        | .7        | 2.1             | 2.0       |

<sup>1</sup> Unemployment rates are calculated as a percent of the civilian labor force.

## A-14. Unemployed persons by reason for unemployment, duration, sex, and age

[Percent distribution]

| Reason, sex, and age                    | August 1980          |              |                          |               |                   |                |                   |
|---|----------------------|--------------|--------------------------|---------------|-------------------|----------------|-------------------|
|   | Total unemployed     |              | Duration of unemployment |               |                   |                |                   |
|   | Thousands of persons | Percent      | Less than 5 weeks        | 5 to 14 weeks | 15 weeks and over | 15 to 26 weeks | 27 weeks and over |
| <b>Total, 16 years and over .....</b>   | <b>8,011</b>         | <b>100.0</b> | <b>40.3</b>              | <b>36.0</b>   | <b>23.7</b>       | <b>12.3</b>    | <b>11.4</b>       |
| Job losers .....                        | 4,164                | 100.0        | 34.3                     | 34.2          | 31.4              | 16.3           | 15.2              |
| On layoff .....                         | 1,641                | 100.0        | 38.3                     | 34.8          | 26.8              | 16.3           | 10.6              |
| Other job losers .....                  | 2,523                | 100.0        | 31.7                     | 33.8          | 34.4              | 16.3           | 18.2              |
| Job leavers .....                       | 1,023                | 100.0        | 45.3                     | 34.0          | 20.7              | 10.4           | 10.3              |
| Reentrants .....                        | 1,872                | 100.0        | 50.5                     | 34.6          | 14.9              | 8.2            | 6.7               |
| New entrants .....                      | 951                  | 100.0        | 41.1                     | 48.7          | 10.2              | 5.1            | 5.1               |
| <b>Males, 20 years and over .....</b>   | <b>3,457</b>         | <b>100.0</b> | <b>32.4</b>              | <b>35.6</b>   | <b>32.0</b>       | <b>15.4</b>    | <b>16.6</b>       |
| Job losers .....                        | 2,442                | 100.0        | 30.3                     | 35.0          | 34.7              | 16.7           | 18.0              |
| On layoff .....                         | 977                  | 100.0        | 35.8                     | 35.8          | 28.4              | 16.8           | 11.6              |
| Other job losers .....                  | 1,465                | 100.0        | 26.7                     | 34.5          | 38.9              | 16.6           | 22.3              |
| Job leavers .....                       | 398                  | 100.0        | 37.6                     | 35.0          | 27.4              | 14.3           | 13.1              |
| Reentrants .....                        | 502                  | 100.0        | 39.1                     | 37.0          | 23.9              | 11.8           | 12.1              |
| New entrants .....                      | 116                  | 100.0        | 28.7                     | 44.3          | 27.1              | 8.8            | 18.3              |
| <b>Females, 20 years and over .....</b> | <b>2,833</b>         | <b>100.0</b> | <b>45.4</b>              | <b>33.4</b>   | <b>21.3</b>       | <b>11.6</b>    | <b>9.7</b>        |
| Job losers .....                        | 1,269                | 100.0        | 34.4                     | 35.8          | 29.8              | 17.3           | 12.6              |
| On layoff .....                         | 546                  | 100.0        | 37.8                     | 34.6          | 27.6              | 17.6           | 10.0              |
| Other job losers .....                  | 723                  | 100.0        | 31.8                     | 36.6          | 31.6              | 17.0           | 14.5              |
| Job leavers .....                       | 455                  | 100.0        | 50.0                     | 30.2          | 19.8              | 9.5            | 10.3              |
| Reentrants .....                        | 973                  | 100.0        | 56.8                     | 31.2          | 12.1              | 6.3            | 5.8               |
| New entrants .....                      | 137                  | 100.0        | 50.6                     | 36.9          | 12.5              | 3.5            | 8.9               |
| <b>Both sexes, 16 to 19 years .....</b> | <b>1,720</b>         | <b>100.0</b> | <b>47.9</b>              | <b>41.2</b>   | <b>11.0</b>       | <b>7.3</b>     | <b>3.7</b>        |
| Job losers .....                        | 453                  | 100.0        | 55.7                     | 25.8          | 18.5              | 11.3           | 7.2               |
| On layoff .....                         | 118                  | 100.0        | 61.7                     | 27.7          | 10.6              | 5.9            | 4.6               |
| Other job losers .....                  | 335                  | 100.0        | 53.6                     | 25.1          | 21.3              | 13.2           | 8.1               |
| Job leavers .....                       | 171                  | 100.0        | 50.6                     | 41.7          | 7.8               | 3.7            | 4.1               |
| Reentrants .....                        | 397                  | 100.0        | 49.4                     | 40.0          | 10.7              | 8.5            | 2.2               |
| New entrants .....                      | 699                  | 100.0        | 41.3                     | 51.7          | 7.0               | 4.8            | 2.2               |



## A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

| Sex, age, and race                              | August 1980          |                  |   |                           |                   |                        |                      |      | Average number of methods used |
|---|----------------------|------------------|---|---------------------------|-------------------|------------------------|----------------------|------|--------------------------------|
|   | Thousands of persons |                  | Methods used as a percent of total jobseekers |                           |                   |                        |                      |      |                                |
|   | Total unemployed     | Total jobseekers | Public employment agency                      | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives |      |                                |
| <b>Total, 16 years and over</b> .....           | 8,011                | 6,176            | 27.8  | 5.7                       | 74.5              | 30.9                   | 14.7                 | 5.3  | 1.59                           |
| 16 to 19 years .....                            | 1,720                | 1,577            | 20.0  | 3.0                       | 81.4              | 25.1                   | 12.8                 | 3.5  | 1.46                           |
| 20 to 24 years .....                            | 1,845                | 1,480            | 29.5  | 7.0                       | 75.8              | 32.2                   | 14.9                 | 2.8  | 1.62                           |
| 25 to 34 years .....                            | 2,151                | 1,559            | 33.0  | 6.7                       | 70.4              | 35.5                   | 16.8                 | 7.1  | 1.70                           |
| 35 to 44 years .....                            | 1,061                | 733              | 28.8  | 6.1                       | 73.7              | 28.0                   | 13.9                 | 7.0  | 1.57                           |
| 45 to 54 years .....                            | 740                  | 466              | 29.8  | 6.0                       | 68.5              | 38.8                   | 15.5                 | 8.4  | 1.67                           |
| 55 to 64 years .....                            | 394                  | 286              | 31.5  | 7.7                       | 69.9              | 25.5                   | 13.6                 | 7.3  | 1.56                           |
| 65 years and over .....                         | 100                  | 74               | (1)   | (1)                       | (1)               | (1)                    | (1)                  | (1)  | (1)                            |
| <b>Males, 16 years and over</b> .....           | 4,375                | 3,238            | 30.6  | 5.9                       | 75.8              | 29.2                   | 17.0                 | 6.8  | 1.65                           |
| 16 to 19 years .....                            | 918                  | 834              | 18.7  | 2.2                       | 82.6              | 23.9                   | 13.5                 | 4.2  | 1.45                           |
| 20 to 24 years .....                            | 1,073                | 837              | 33.0  | 6.7                       | 75.7              | 28.3                   | 19.7                 | 3.1  | 1.67                           |
| 25 to 34 years .....                            | 1,170                | 765              | 39.6  | 8.8                       | 73.3              | 35.2                   | 19.6                 | 8.9  | 1.85                           |
| 35 to 44 years .....                            | 527                  | 343              | 35.0  | 6.1                       | 73.8              | 27.1                   | 16.0                 | 10.2 | 1.68                           |
| 45 to 54 years .....                            | 374                  | 224              | 27.7  | 8.5                       | 66.5              | 38.4                   | 18.3                 | 12.5 | 1.72                           |
| 55 to 64 years .....                            | 248                  | 184              | 36.4  | 6.0                       | 74.5              | 25.0                   | 10.9                 | 10.3 | 1.63                           |
| 65 years and over .....                         | 66                   | 51               | (1)   | (1)                       | (1)               | (1)                    | (1)                  | (1)  | (1)                            |
| <b>Females, 16 years and over</b> .....         | 3,636                | 2,938            | 24.8  | 5.4                       | 73.1              | 32.8                   | 12.2                 | 3.7  | 1.52                           |
| 16 to 19 years .....                            | 802                  | 744              | 21.5  | 4.2                       | 79.8              | 26.5                   | 12.0                 | 2.6  | 1.47                           |
| 20 to 24 years .....                            | 772                  | 643              | 25.0  | 7.5                       | 75.9              | 37.2                   | 8.6                  | 2.5  | 1.57                           |
| 25 to 34 years .....                            | 981                  | 793              | 26.7  | 4.7                       | 67.6              | 35.9                   | 14.1                 | 5.4  | 1.54                           |
| 35 to 44 years .....                            | 535                  | 390              | 23.3  | 6.2                       | 73.6              | 28.7                   | 12.1                 | 4.1  | 1.48                           |
| 45 to 54 years .....                            | 365                  | 242              | 31.8  | 3.7                       | 70.2              | 39.3                   | 12.8                 | 4.5  | 1.62                           |
| 55 to 64 years .....                            | 147                  | 103              | 22.3  | 9.7                       | 61.2              | 26.2                   | 18.4                 | 1.9  | 1.40                           |
| 65 years and over .....                         | 34                   | 23               | (1)   | (1)                       | (1)               | (1)                    | (1)                  | (1)  | (1)                            |
| <b>White, 16 years and over</b> .....           | 6,272                | 4,715            | 25.4  | 5.4                       | 75.3              | 31.9                   | 14.9                 | 5.0  | 1.58                           |
| Males .....                                     | 3,451                | 2,484            | 27.9  | 5.8                       | 77.0              | 29.7                   | 17.4                 | 6.6  | 1.64                           |
| Females .....                                   | 2,821                | 2,231            | 22.5  | 5.0                       | 73.3              | 34.4                   | 12.1                 | 3.1  | 1.51                           |
| <b>Black and other, 16 years and over</b> ..... | 1,739                | 1,460            | 35.7  | 6.8                       | 72.1              | 27.7                   | 14.0                 | 6.6  | 1.63                           |
| Males .....                                     | 924                  | 753              | 39.4  | 6.6                       | 72.0              | 27.5                   | 15.7                 | 7.6  | 1.69                           |
| Females .....                                   | 815                  | 707              | 31.7  | 6.9                       | 72.3              | 27.9                   | 12.3                 | 5.7  | 1.57                           |

1 Percent not shown where base is less than 75,000.

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

## A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

| Sex and reason                          | August 1980          |                  |   |                           |                   |                        |                      |     | Average number of methods used |
|---|----------------------|------------------|---|---------------------------|-------------------|------------------------|----------------------|-----|--------------------------------|
|   | Thousands of persons |                  | Methods used as a percent of total jobseekers |                           |                   |                        |                      |     |                                |
|   | Total unemployed     | Total jobseekers | Public employment agency                      | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives |     |                                |
| <b>Total, 16 years and over</b> .....   | 8,011                | 6,176            | 27.8  | 5.7                       | 74.5              | 30.9                   | 14.7                 | 5.3 | 1.59                           |
| Job losers .....                        | 4,164                | 2,506            | 34.6  | 6.7                       | 73.7              | 31.8                   | 16.9                 | 6.7 | 1.70                           |
| Job leavers .....                       | 1,023                | 995              | 24.8  | 6.4                       | 79.8              | 33.6                   | 15.1                 | 2.6 | 1.62                           |
| Reentrants .....                        | 1,872                | 1,743            | 23.1  | 4.7                       | 69.8              | 32.3                   | 12.5                 | 6.3 | 1.49                           |
| New entrants .....                      | 951                  | 931              | 21.4  | 4.1                       | 80.1              | 23.1                   | 12.5                 | 2.9 | 1.44                           |
| <b>Males, 16 years and over</b> .....   | 4,375                | 3,238            | 30.6  | 5.9                       | 75.8              | 29.2                   | 17.0                 | 6.8 | 1.65                           |
| Job losers .....                        | 2,730                | 1,664            | 34.6  | 6.9                       | 74.8              | 30.5                   | 18.4                 | 8.6 | 1.74                           |
| Job leavers .....                       | 480                  | 471              | 27.2  | 6.8                       | 79.6              | 29.5                   | 16.1                 | 2.8 | 1.62                           |
| Reentrants .....                        | 706                  | 650              | 27.4  | 4.6                       | 72.2              | 30.0                   | 16.2                 | 8.3 | 1.59                           |
| New entrants .....                      | 459                  | 452              | 24.1  | 3.3                       | 81.0              | 23.0                   | 14.4                 | 2.4 | 1.48                           |
| <b>Females, 16 years and over</b> ..... | 3,636                | 2,938            | 24.8  | 5.4                       | 73.1              | 32.8                   | 12.2                 | 3.7 | 1.52                           |
| Job losers .....                        | 1,433                | 841              | 34.8  | 6.4                       | 71.5              | 34.6                   | 14.0                 | 3.0 | 1.64                           |
| Job leavers .....                       | 544                  | 524              | 22.7  | 6.1                       | 80.0              | 37.4                   | 14.1                 | 2.5 | 1.63                           |
| Reentrants .....                        | 1,167                | 1,094            | 20.6  | 4.7                       | 68.2              | 33.6                   | 10.4                 | 5.2 | 1.43                           |
| New entrants .....                      | 492                  | 479              | 18.8  | 4.8                       | 79.5              | 23.2                   | 10.6                 | 3.3 | 1.40                           |

NOTE: See note, table A-15.

# HOUSEHOLD DATA

## A-17. Unemployed persons by duration of unemployment

| Duration of unemployment                | Total                |           |                      |           | Full-time workers    |           |                      |           |
|---|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|
|   | Thousands of persons |           | Percent distribution |           | Thousands of persons |           | Percent distribution |           |
|   | Aug. 1979            | Aug. 1980 | Aug. 1979            | Aug. 1980 | Aug. 1979            | Aug. 1980 | Aug. 1979            | Aug. 1980 |
| Total, 16 years and over .....          | 6,137                | 8,011     | 100.0                | 100.0     | 4,888                | 6,789     | 100.0                | 100.0     |
| Less than 5 weeks .....                 | 3,116                | 3,229     | 50.8                 | 40.3      | 2,314                | 2,501     | 47.3                 | 36.8      |
| 5 to 14 weeks .....                     | 1,984                | 2,883     | 32.3                 | 36.0      | 1,616                | 2,477     | 33.1                 | 36.5      |
| 5 to 10 weeks .....                     | 1,463                | 2,010     | 23.8                 | 25.1      | 1,187                | 1,693     | 24.3                 | 24.9      |
| 11 to 14 weeks .....                    | 521                  | 873       | 8.5                  | 10.9      | 428                  | 783       | 8.8                  | 11.5      |
| 15 weeks and over .....                 | 1,036                | 1,898     | 16.9                 | 23.7      | 958                  | 1,811     | 19.6                 | 26.7      |
| 15 to 26 weeks .....                    | 520                  | 987       | 8.5                  | 12.3      | 485                  | 930       | 9.9                  | 13.7      |
| 27 weeks and over .....                 | 517                  | 912       | 8.4                  | 11.4      | 473                  | 880       | 9.7                  | 13.0      |
| 27 to 51 weeks .....                    | 275                  | 605       | 4.5                  | 7.6       | 256                  | 593       | 5.2                  | 8.7       |
| 52 weeks and over .....                 | 241                  | 307       | 3.9                  | 3.8       | 217                  | 288       | 4.4                  | 4.2       |
| Average (mean) duration, in weeks ..... | 10.2                 | 12.0      | --                   | --        | 11.2                 | 13.0      | --                   | --        |
| Median duration, in weeks .....         | 4.9                  | 7.6       | --                   | --        | 5.6                  | 8.3       | --                   | --        |

## A-18. Unemployed persons by duration, sex, age, race, and marital status

| Sex, age, race, and marital status       | Thousands of persons |                   |               |                |                   | Average (mean) duration, in weeks | Median duration, in weeks | Less than 5 weeks as a percent of unemployed in group |           | 15 weeks and over as a percent of unemployed in group |           |
|--|----------------------|-------------------|---------------|----------------|-------------------|-----------------------------------|---------------------------|---|-----------|---|-----------|
|  | Total                | Less than 5 weeks | 5 to 14 weeks | 15 to 26 weeks | 27 weeks and over |                                   |                           | Aug. 1979   | Aug. 1980 | Aug. 1979   | Aug. 1980 |
|  | August 1980          |                   |               |                |                   |                                   |                           |   | Aug. 1979 | Aug. 1980   | Aug. 1979 |
| Total, 16 years and over .....           | 8,011                | 3,229             | 2,883         | 987            | 912               | 12.0                              | 7.6                       | 50.8  | 40.3      | 16.9  | 23.7      |
| 16 to 21 years .....                     | 2,507                | 1,158             | 986           | 218            | 145               | 9.0                               | 6.1                       | 56.1  | 46.2      | 9.0   | 14.5      |
| 16 to 19 years .....                     | 1,720                | 824               | 708           | 125            | 64                | 8.0                               | 5.7                       | 56.4  | 47.9      | 6.3   | 11.0      |
| 20 to 24 years .....                     | 1,845                | 767               | 684           | 212            | 181               | 11.0                              | 6.8                       | 54.3  | 41.6      | 14.4  | 21.3      |
| 25 to 34 years .....                     | 2,151                | 795               | 729           | 340            | 287               | 13.1                              | 8.5                       | 49.1  | 37.0      | 18.7  | 29.1      |
| 35 to 44 years .....                     | 1,061                | 371               | 375           | 151            | 164               | 14.2                              | 9.1                       | 48.5  | 34.9      | 22.6  | 29.7      |
| 45 to 54 years .....                     | 740                  | 283               | 233           | 98             | 126               | 15.1                              | 8.5                       | 41.1  | 38.2      | 29.9  | 30.3      |
| 55 to 64 years .....                     | 394                  | 136               | 136           | 50             | 73                | 16.2                              | 8.9                       | 41.0  | 34.4      | 31.2  | 31.2      |
| 65 years and over .....                  | 100                  | 54                | 17            | 10             | 18                | 13.3                              | 4.6                       | 37.7  | 54.2      | 29.7  | 28.5      |
| Males, 16 years and over .....           | 4,375                | 1,536             | 1,617         | 607            | 615               | 13.6                              | 8.7                       | 47.3  | 35.1      | 20.8  | 27.9      |
| 16 to 21 years .....                     | 1,370                | 579               | 551           | 136            | 103               | 10.0                              | 6.9                       | 54.4  | 42.3      | 9.0   | 17.5      |
| 16 to 19 years .....                     | 918                  | 416               | 387           | 73             | 43                | 8.6                               | 6.2                       | 55.0  | 45.3      | 6.4   | 12.6      |
| 20 to 24 years .....                     | 1,073                | 384               | 407           | 146            | 136               | 12.8                              | 8.2                       | 51.4  | 35.8      | 16.7  | 26.3      |
| 25 to 34 years .....                     | 1,170                | 338               | 413           | 219            | 199               | 15.6                              | 10.3                      | 47.0  | 28.9      | 21.7  | 35.8      |
| 35 to 44 years .....                     | 527                  | 158               | 195           | 76             | 97                | 16.1                              | 10.1                      | 40.4  | 30.1      | 31.2  | 32.9      |
| 45 to 54 years .....                     | 374                  | 126               | 116           | 55             | 77                | 17.1                              | 10.1                      | 32.7  | 33.6      | 43.2  | 35.4      |
| 55 to 64 years .....                     | 248                  | 77                | 87            | 31             | 53                | 16.8                              | 9.3                       | 33.7  | 31.2      | 41.1  | 33.6      |
| 65 years and over .....                  | 66                   | 36                | 12            | 7              | 11                | 11.7                              | 4.6                       | (1)   | (1)       | (1)   | (1)       |
| Females, 16 years and over .....         | 3,636                | 1,693             | 1,266         | 380            | 296               | 10.1                              | 6.0                       | 53.9  | 46.6      | 13.4  | 18.6      |
| 16 to 21 years .....                     | 1,137                | 579               | 435           | 82             | 42                | 7.8                               | 4.9                       | 57.7  | 50.9      | 9.0   | 10.9      |
| 16 to 19 years .....                     | 802                  | 408               | 321           | 52             | 21                | 7.3                               | 4.9                       | 57.8  | 50.8      | 6.2   | 9.1       |
| 20 to 24 years .....                     | 772                  | 383               | 277           | 67             | 45                | 8.6                               | 5.1                       | 56.8  | 49.6      | 12.4  | 14.4      |
| 25 to 34 years .....                     | 981                  | 457               | 316           | 121            | 87                | 10.2                              | 5.9                       | 50.9  | 46.5      | 16.2  | 21.2      |
| 35 to 44 years .....                     | 535                  | 212               | 180           | 75             | 67                | 12.4                              | 8.3                       | 54.0  | 39.7      | 16.8  | 26.5      |
| 45 to 54 years .....                     | 365                  | 157               | 117           | 43             | 49                | 13.0                              | 7.3                       | 48.6  | 43.0      | 18.1  | 25.0      |
| 55 to 64 years .....                     | 147                  | 58                | 49            | 20             | 20                | 15.2                              | 8.0                       | 50.3  | 39.7      | 18.5  | 27.0      |
| 65 years and over .....                  | 34                   | 18                | 5             | 4              | 7                 | 16.4                              | 4.7                       | (1)   | (1)       | (1)   | (1)       |
| White, 16 years and over .....           | 6,272                | 2,613             | 2,228         | 738            | 692               | 11.5                              | 7.3                       | 52.0  | 41.7      | 15.9  | 22.8      |
| Males .....                              | 3,451                | 1,250             | 1,264         | 467            | 470               | 13.0                              | 8.5                       | 48.8  | 36.2      | 19.5  | 27.2      |
| Females .....                            | 2,821                | 1,364             | 965           | 271            | 222               | 9.7                               | 5.5                       | 54.9  | 48.3      | 12.7  | 17.5      |
| Black and other, 16 years and over ..... | 1,739                | 616               | 655           | 249            | 220               | 13.9                              | 8.6                       | 46.5  | 35.4      | 20.2  | 26.9      |
| Males .....                              | 924                  | 286               | 353           | 139            | 145               | 16.0                              | 9.3                       | 41.6  | 30.9      | 25.8  | 30.8      |
| Females .....                            | 815                  | 330               | 302           | 109            | 74                | 11.5                              | 7.8                       | 50.5  | 40.5      | 15.7  | 22.5      |
| Males, 16 years and over:                |                      |                   |               |                |                   |                                   |                           |   |           |   |           |
| Married, spouse present .....            | 1,828                | 633               | 593           | 313            | 289               | 14.3                              | 9.4                       | 45.8  | 34.6      | 23.9  | 32.9      |
| Widowed, divorced, or separated .....    | 447                  | 130               | 163           | 73             | 81                | 16.7                              | 10.5                      | 41.3  | 29.1      | 29.1  | 34.4      |
| Single (never married) .....             | 2,100                | 773               | 860           | 221            | 246               | 12.4                              | 7.9                       | 49.5  | 36.6      | 17.1  | 22.2      |
| Females, 16 years and over:              |                      |                   |               |                |                   |                                   |                           |   |           |   |           |
| Married, spouse present .....            | 1,660                | 810               | 531           | 172            | 147               | 10.1                              | 5.4                       | 55.6  | 48.8      | 14.1  | 19.2      |
| Widowed, divorced, or separated .....    | 668                  | 267               | 236           | 91             | 73                | 12.7                              | 7.9                       | 51.8  | 40.0      | 15.5  | 24.6      |
| Single (never married) .....             | 1,308                | 616               | 499           | 117            | 76                | 8.8                               | 5.8                       | 52.9  | 47.1      | 11.6  | 14.8      |

<sup>1</sup> Percent not shown where base is less than 75,000.

# HOUSEHOLD DATA

**A-19. Unemployed persons by duration, occupation, and industry of last job**

| Occupation and industry                   | Thousands of persons |                   |               |                |                   | Average (mean) duration, in weeks | Median duration, in weeks | Less than 5 weeks as a percent of unemployed in group |           | 15 weeks and over as a percent of unemployed in group |           |
|---|----------------------|-------------------|---------------|----------------|-------------------|-----------------------------------|---------------------------|---|-----------|---|-----------|
|   | Total                | Less than 5 weeks | 5 to 14 weeks | 15 to 26 weeks | 27 weeks and over |                                   |                           | Aug. 1979   | Aug. 1980 | Aug. 1979   | Aug. 1980 |
|   | August 1980          |                   |               |                |                   |                                   |                           |   | Aug. 1979 | Aug. 1980   | Aug. 1979 |
| <b>OCCUPATION</b>                         |                      |                   |               |                |                   |                                   |                           |   |           |   |           |
| White-collar workers .....                | 2,127                | 916               | 751           | 258            | 202               | 11.2                              | 6.9                       | 51.4  | 43.1      | 17.3  | 21.6      |
| Professional and managerial .....         | 750                  | 290               | 287           | 83             | 89                | 12.3                              | 7.6                       | 49.3  | 38.7      | 20.9  | 22.9      |
| Sales workers .....                       | 262                  | 97                | 104           | 32             | 29                | 11.6                              | 8.1                       | 57.5  | 37.1      | 18.0  | 23.1      |
| Clerical workers .....                    | 1,116                | 529               | 359           | 184            | 84                | 10.3                              | 5.8                       | 51.4  | 47.4      | 14.4  | 20.4      |
| Blue-collar workers .....                 | 3,588                | 1,296             | 1,219         | 582            | 532               | 13.8                              | 8.7                       | 49.5  | 36.1      | 20.7  | 29.9      |
| Craft and kindred workers .....           | 910                  | 374               | 265           | 123            | 147               | 13.7                              | 7.7                       | 46.9  | 41.1      | 22.6  | 29.8      |
| Operatives, except transport .....        | 1,553                | 539               | 529           | 257            | 228               | 13.9                              | 9.3                       | 51.4  | 34.7      | 20.5  | 31.2      |
| Transport equipment operatives .....      | 366                  | 110               | 146           | 54             | 56                | 13.2                              | 8.9                       | 47.9  | 30.0      | 21.1  | 30.1      |
| Nonfarm laborers .....                    | 760                  | 273               | 279           | 108            | 100               | 13.8                              | 8.5                       | 49.1  | 35.9      | 19.1  | 27.4      |
| Service workers .....                     | 1,208                | 546               | 400           | 136            | 126               | 11.1                              | 6.3                       | 51.9  | 45.2      | 15.2  | 21.7      |
| <b>INDUSTRY<sup>1</sup></b>               |                      |                   |               |                |                   |                                   |                           |   |           |   |           |
| Agriculture .....                         | 176                  | 103               | 64            | 5              | 4                 | 6.6                               | 4.3                       | 65.7  | 58.3      | 9.0   | 5.2       |
| Construction .....                        | 699                  | 291               | 195           | 88             | 126               | 13.9                              | 8.2                       | 46.4  | 41.6      | 20.3  | 30.5      |
| Manufacturing .....                       | 2,141                | 697               | 723           | 381            | 340               | 14.6                              | 9.7                       | 52.3  | 32.5      | 21.6  | 33.7      |
| Durable goods .....                       | 1,444                | 447               | 476           | 263            | 258               | 15.3                              | 10.4                      | 52.7  | 31.0      | 20.9  | 36.1      |
| Non-durable goods .....                   | 698                  | 250               | 247           | 118            | 82                | 13.2                              | 8.5                       | 51.8  | 35.8      | 22.6  | 28.7      |
| Transportation and public utilities ..... | 341                  | 119               | 141           | 49             | 31                | 11.7                              | 8.6                       | 48.1  | 34.8      | 21.5  | 23.7      |
| Wholesale and retail trade .....          | 1,455                | 608               | 502           | 184            | 161               | 11.7                              | 7.1                       | 49.2  | 41.8      | 16.9  | 23.7      |
| Finance and service industries .....      | 1,792                | 823               | 645           | 185            | 140               | 10.4                              | 6.0                       | 53.0  | 45.9      | 15.1  | 18.1      |
| Public administration .....               | 259                  | 111               | 90            | 29             | 29                | 12.0                              | 6.9                       | 38.9  | 43.0      | 24.3  | 22.3      |
| No previous work experience .....         | 952                  | 392               | 463           | 48             | 49                | 9.4                               | 7.4                       | 49.6  | 41.2      | 8.4   | 10.2      |

<sup>1</sup> Includes wage and salary workers only.

**A-20. Employed persons by sex and age**

(In thousands)

| Age and type of industry                | Total     |           | Males     |           | Females   |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
|   | Aug. 1979 | Aug. 1980 | Aug. 1979 | Aug. 1980 | Aug. 1979 | Aug. 1980 |
| <b>All industries</b> .....             | 98,226    | 98,115    | 57,891    | 56,975    | 40,335    | 41,141    |
| 16 to 19 years .....                    | 9,157     | 8,716     | 4,996     | 4,667     | 4,162     | 4,050     |
| 16 to 17 years .....                    | 3,864     | 3,591     | 2,136     | 1,968     | 1,728     | 1,624     |
| 18 to 19 years .....                    | 5,293     | 5,125     | 2,859     | 2,699     | 2,434     | 2,426     |
| 20 to 24 years .....                    | 14,468    | 14,114    | 7,955     | 7,545     | 6,513     | 6,569     |
| 25 to 34 years .....                    | 60,383    | 61,007    | 36,091    | 35,966    | 24,291    | 25,041    |
| 35 to 44 years .....                    | 25,505    | 25,960    | 15,201    | 15,255    | 10,304    | 10,705    |
| 45 to 54 years .....                    | 18,602    | 18,963    | 11,084    | 11,136    | 7,518     | 7,827     |
| 55 to 64 years .....                    | 16,276    | 16,084    | 9,807     | 9,575     | 6,469     | 6,508     |
| 65 to 64 years .....                    | 11,296    | 11,353    | 6,981     | 6,954     | 4,315     | 4,400     |
| 65 to 59 years .....                    | 7,041     | 6,959     | 4,318     | 4,239     | 2,724     | 2,720     |
| 60 to 64 years .....                    | 4,254     | 4,394     | 2,664     | 2,715     | 1,591     | 1,679     |
| 65 years and over .....                 | 2,923     | 2,926     | 1,867     | 1,843     | 1,055     | 1,083     |
| <b>Nonagricultural industries</b> ..... | 94,431    | 94,480    | 54,927    | 54,078    | 39,504    | 40,401    |
| 16 to 19 years .....                    | 8,628     | 8,186     | 4,586     | 4,225     | 4,042     | 3,961     |
| 16 to 17 years .....                    | 3,533     | 3,282     | 1,883     | 1,707     | 1,650     | 1,576     |
| 18 to 19 years .....                    | 5,095     | 4,903     | 2,703     | 2,518     | 2,392     | 2,385     |
| 20 to 24 years .....                    | 13,968    | 13,683    | 7,552     | 7,182     | 6,416     | 6,501     |
| 25 to 34 years .....                    | 58,538    | 59,199    | 34,710    | 34,608    | 23,829    | 24,591    |
| 35 to 44 years .....                    | 24,775    | 25,243    | 14,617    | 14,704    | 10,158    | 10,539    |
| 45 to 54 years .....                    | 18,093    | 18,415    | 10,717    | 10,736    | 7,376     | 7,679     |
| 55 to 64 years .....                    | 15,670    | 15,541    | 9,375     | 9,168     | 6,294     | 6,373     |
| 65 to 64 years .....                    | 10,752    | 10,817    | 6,535     | 6,514     | 4,217     | 4,303     |
| 65 to 59 years .....                    | 6,775     | 6,691     | 4,107     | 4,031     | 2,667     | 2,660     |
| 60 to 64 years .....                    | 3,977     | 4,126     | 2,428     | 2,484     | 1,550     | 1,643     |
| 65 years and over .....                 | 2,545     | 2,595     | 1,544     | 1,549     | 1,001     | 1,046     |
| <b>Agriculture</b> .....                | 3,795     | 3,636     | 2,964     | 2,896     | 831       | 739       |
| 16 to 19 years .....                    | 529       | 530       | 409       | 442       | 120       | 88        |
| 16 to 17 years .....                    | 331       | 309       | 253       | 261       | 78        | 48        |
| 18 to 19 years .....                    | 198       | 221       | 156       | 181       | 42        | 40        |
| 20 to 24 years .....                    | 500       | 431       | 403       | 363       | 97        | 68        |
| 25 to 34 years .....                    | 1,845     | 1,807     | 1,382     | 1,358     | 463       | 449       |
| 35 to 44 years .....                    | 730       | 717       | 584       | 551       | 146       | 166       |
| 45 to 54 years .....                    | 509       | 548       | 367       | 400       | 142       | 148       |
| 55 to 64 years .....                    | 606       | 543       | 432       | 407       | 174       | 135       |
| 65 to 64 years .....                    | 544       | 536       | 446       | 439       | 98        | 97        |
| 65 to 59 years .....                    | 266       | 269       | 210       | 208       | 56        | 60        |
| 60 to 64 years .....                    | 277       | 267       | 236       | 231       | 41        | 36        |
| 65 years and over .....                 | 377       | 331       | 323       | 294       | 55        | 37        |

# HOUSEHOLD DATA

## A-21. Employed persons by occupation, sex, and age

(In thousands)

| Occupation   | Total              |           | Males, 20 years and over |           | Females, 20 years and over |           | Males, 16-19 years |           | Females, 16-19 years |           |
|--|--------------------|-----------|--------------------------|-----------|----------------------------|-----------|--------------------|-----------|----------------------|-----------|
|  | Aug. 1979          | Aug. 1980 | Aug. 1979                | Aug. 1980 | Aug. 1979                  | Aug. 1980 | Aug. 1979          | Aug. 1980 | Aug. 1979            | Aug. 1980 |
|  | <b>TOTAL</b> ..... | 98,226    | 98,115                   | 52,895    | 52,308                     | 36,174    | 37,091             | 4,996     | 4,667                | 4,162     |
| White-collar workers .....                                     | 49,120             | 50,849    | 22,600                   | 23,252    | 23,737                     | 24,728    | 723                | 765       | 2,060                | 2,104     |
| Professional and technical .....                               | 14,474             | 15,131    | 8,192                    | 8,513     | 6,084                      | 6,326     | 100                | 144       | 99                   | 148       |
| Health workers .....   | 2,875              | 2,879     | 981                      | 965       | 1,872                      | 1,889     | 3                  | 4         | 18                   | 20        |
| Teachers, except college .....                                 | 2,587              | 2,559     | 766                      | 731       | 1,808                      | 1,804     | 1                  | 7         | 12                   | 18        |
| Other professional and technical .....                         | 9,012              | 9,693     | 6,445                    | 6,817     | 2,404                      | 2,633     | 96                 | 133       | 69                   | 110       |
| Managers and administrators, except farm .....                 | 10,880             | 11,354    | 8,091                    | 8,364     | 2,674                      | 2,860     | 61                 | 73        | 55                   | 58        |
| Salaried workers .....   | 8,972              | 9,322     | 6,631                    | 6,837     | 2,229                      | 2,362     | 57                 | 68        | 55                   | 56        |
| Self-employed workers in retail trade .....                    | 915                | 926       | 614                      | 607       | 301                        | 315       | 1                  | 2         | --                   | 2         |
| Self-employed workers, except retail trade .....               | 993                | 1,107     | 846                      | 920       | 144                        | 183       | 3                  | 3         | --                   | --        |
| Sales workers .....  | 6,152              | 6,118     | 3,117                    | 3,042     | 2,346                      | 2,362     | 227                | 229       | 462                  | 486       |
| Retail trade .....   | 3,209              | 3,147     | 995                      | 950       | 1,598                      | 1,596     | 184                | 161       | 431                  | 440       |
| Other industries .....   | 2,943              | 2,971     | 2,122                    | 2,092     | 747                        | 765       | 43                 | 68        | 31                   | 46        |
| Clerical workers .....   | 17,614             | 18,246    | 3,200                    | 3,333     | 12,634                     | 13,181    | 336                | 319       | 1,444                | 1,413     |
| Stenographers, typists, and secretaries .....                  | 4,808              | 4,953     | 58                       | 71        | 4,363                      | 4,514     | 14                 | 7         | 372                  | 361       |
| Other clerical workers .....                                   | 12,806             | 13,293    | 3,142                    | 3,262     | 8,271                      | 8,667     | 322                | 312       | 1,072                | 1,052     |
| Blue-collar workers .....                                      | 33,122             | 31,129    | 24,192                   | 23,025    | 5,499                      | 5,180     | 2,947              | 2,515     | 484                  | 410       |
| Craft and kindred workers .....                                | 13,201             | 12,637    | 11,754                   | 11,318    | 711                        | 731       | 693                | 542       | 44                   | 45        |
| Carpenters .....   | 1,370              | 1,224     | 3,244                    | 1,105     | 15                         | 18        | 107                | 97        | 4                    | 4         |
| Construction craft, except carpenters .....                    | 2,857              | 2,698     | 2,606                    | 2,495     | 43                         | 60        | 206                | 136       | 2                    | 7         |
| Mechanics and repairers .....                                  | 3,439              | 3,302     | 3,163                    | 3,042     | 62                         | 74        | 210                | 186       | 3                    | 1         |
| Metal craft .....  | 1,274              | 1,300     | 1,198                    | 1,228     | 29                         | 51        | 40                 | 21        | 7                    | --        |
| Blue-collar worker supervisors, not elsewhere classified ..... | 1,771              | 1,756     | 1,576                    | 1,540     | 178                        | 190       | 14                 | 22        | 2                    | 4         |
| All other .....  | 2,491              | 2,357     | 1,967                    | 1,908     | 383                        | 338       | 115                | 81        | 27                   | 30        |
| Operatives, except transport .....                             | 11,174             | 10,298    | 5,986                    | 5,595     | 4,119                      | 3,847     | 751                | 628       | 318                  | 228       |
| Durable goods manufacturing .....                              | 5,020              | 4,381     | 2,014                    | 2,725     | 1,667                      | 1,437     | 243                | 159       | 97                   | 60        |
| Nondurable goods manufacturing .....                           | 3,514              | 3,343     | 1,341                    | 1,295     | 1,882                      | 1,803     | 145                | 126       | 146                  | 118       |
| Other industries .....   | 2,640              | 2,575     | 1,631                    | 1,574     | 570                        | 607       | 364                | 343       | 76                   | 50        |
| Transport equipment operatives .....                           | 3,578              | 3,446     | 3,125                    | 3,061     | 227                        | 202       | 207                | 169       | 19                   | 13        |
| Drivers, motor vehicles .....                                  | 3,002              | 2,873     | 2,601                    | 2,538     | 210                        | 179       | 173                | 145       | 19                   | 11        |
| All other .....  | 576                | 572       | 524                      | 522       | 18                         | 24        | 34                 | 24        | --                   | 2         |
| Nonfarm laborers .....   | 5,168              | 4,748     | 3,327                    | 3,051     | 442                        | 399       | 1,296              | 1,175     | 103                  | 123       |
| Construction .....   | 1,053              | 876       | 746                      | 656       | 22                         | 13        | 283                | 197       | 2                    | 9         |
| Manufacturing .....  | 1,113              | 935       | 795                      | 681       | 152                        | 122       | 146                | 117       | 20                   | 15        |
| Other industries .....   | 3,003              | 2,936     | 1,786                    | 1,714     | 268                        | 264       | 867                | 861       | 82                   | 98        |
| Service workers .....  | 12,872             | 13,164    | 3,953                    | 3,983     | 6,394                      | 6,690     | 1,008              | 1,014     | 1,518                | 1,477     |
| Private household workers .....                                | 1,093              | 1,022     | 18                       | 20        | 816                        | 811       | 13                 | 8         | 246                  | 183       |
| Service workers, except private household .....                | 11,779             | 12,142    | 3,935                    | 3,963     | 5,578                      | 5,879     | 994                | 1,006     | 1,272                | 1,294     |
| Food service workers .....                                     | 4,218              | 4,420     | 805                      | 856       | 2,061                      | 2,148     | 560                | 599       | 792                  | 817       |
| Protective service workers .....                               | 1,421              | 1,373     | 1,263                    | 1,227     | 123                        | 118       | 30                 | 25        | 6                    | 3         |
| All other .....  | 6,140              | 6,349     | 1,867                    | 1,880     | 3,394                      | 3,613     | 404                | 382       | 474                  | 474       |
| Farm workers .....   | 3,113              | 2,974     | 2,151                    | 2,049     | 544                        | 494       | 319                | 373       | 99                   | 59        |
| Farmers and farm managers .....                                | 1,567              | 1,582     | 1,378                    | 1,363     | 161                        | 185       | 22                 | 30        | 6                    | 4         |
| Farm laborers and supervisors .....                            | 1,545              | 1,391     | 773                      | 685       | 383                        | 309       | 297                | 343       | 93                   | 54        |
| Paid workers .....   | 1,159              | 1,058     | 720                      | 650       | 147                        | 109       | 221                | 257       | 71                   | 42        |
| Unpaid family workers .....                                    | 386                | 333       | 53                       | 36        | 237                        | 199       | 75                 | 86        | 22                   | 13        |

## A-22. Employed persons by occupation, sex, and race

[Percent distribution]

| Occupation and race                      | Total    |          | Males    |          | Females  |          |
|--|----------|----------|----------|----------|----------|----------|
|  | Aug-1979 | Aug-1980 | Aug-1979 | Aug-1980 | Aug-1979 | Aug-1980 |
| <b>TOTAL</b>                             |          |          |          |          |          |          |
| Total, 16 years and over (thousands)     | 98,226   | 98,115   | 57,891   | 56,975   | 40,335   | 41,141   |
| Percent                                  | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| <b>White-collar workers</b>              | 50.0     | 51.8     | 40.3     | 42.2     | 64.0     | 65.2     |
| Professional and technical               | 14.7     | 15.4     | 14.3     | 15.2     | 15.3     | 15.7     |
| Managers and administrators, except farm | 11.1     | 11.6     | 14.1     | 14.8     | 6.8      | 7.1      |
| Sales workers                            | 6.3      | 6.2      | 5.8      | 5.7      | 7.0      | 6.9      |
| Clerical workers                         | 17.9     | 18.6     | 6.1      | 6.4      | 34.9     | 35.5     |
| <b>Blue-collar workers</b>               | 33.7     | 31.7     | 46.9     | 44.8     | 14.8     | 13.6     |
| Craft and kindred workers                | 13.4     | 12.9     | 21.5     | 20.8     | 1.9      | 1.9      |
| Operatives, except transport             | 11.4     | 10.5     | 11.6     | 10.9     | 11.0     | 9.9      |
| Transport equipment operatives           | 3.6      | 3.5      | 5.8      | 5.7      | .6       | .5       |
| Nonfarm laborers                         | 5.3      | 4.8      | 8.0      | 7.4      | 1.4      | 1.3      |
| <b>Service workers</b>                   | 13.1     | 13.4     | 8.6      | 8.8      | 19.6     | 19.9     |
| Private household workers                | 1.1      | 1.0      | .1       | (1)      | 2.6      | 2.4      |
| Other service workers                    | 12.0     | 12.4     | 8.5      | 8.7      | 17.0     | 17.4     |
| <b>Farm workers</b>                      | 3.2      | 3.0      | 4.3      | 4.2      | 1.6      | 1.3      |
| Farmers and farm managers                | 1.6      | 1.6      | 2.4      | 2.4      | .4       | .5       |
| Farm laborers and supervisors            | 1.6      | 1.4      | 1.8      | 1.8      | 1.2      | .9       |
| <b>White</b>                             |          |          |          |          |          |          |
| Total, 16 years and over (thousands)     | 86,995   | 86,937   | 51,844   | 51,187   | 35,151   | 35,750   |
| Percent                                  | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| <b>White-collar workers</b>              | 51.6     | 53.4     | 41.8     | 43.7     | 66.0     | 67.4     |
| Professional and technical               | 15.0     | 15.8     | 14.7     | 15.7     | 15.5     | 15.9     |
| Managers and administrators, except farm | 11.8     | 12.4     | 15.0     | 15.7     | 7.2      | 7.6      |
| Sales workers                            | 6.7      | 6.7      | 6.1      | 6.1      | 7.6      | 7.5      |
| Clerical workers                         | 18.0     | 18.6     | 5.9      | 6.2      | 35.7     | 36.3     |
| <b>Blue-collar workers</b>               | 33.4     | 31.3     | 46.2     | 44.0     | 14.4     | 12.9     |
| Craft and kindred workers                | 14.0     | 13.3     | 22.1     | 21.2     | 2.0      | 1.9      |
| Operatives, except transport             | 10.9     | 10.1     | 11.3     | 10.6     | 10.4     | 9.2      |
| Transport equipment operatives           | 3.5      | 3.4      | 5.4      | 5.3      | .6       | .5       |
| Nonfarm laborers                         | 5.0      | 4.6      | 7.4      | 6.9      | 1.4      | 1.3      |
| <b>Service workers</b>                   | 11.8     | 12.2     | 7.7      | 7.9      | 18.0     | 18.3     |
| Private household workers                | .9       | .8       | (1)      | (1)      | 2.1      | 1.9      |
| Other service workers                    | 11.0     | 11.4     | 7.7      | 7.8      | 15.9     | 16.4     |
| <b>Farm workers</b>                      | 3.2      | 3.2      | 4.3      | 4.4      | 1.7      | 1.4      |
| Farmers and farm managers                | 1.8      | 1.8      | 2.6      | 2.7      | .5       | .5       |
| Farm laborers and supervisors            | 1.5      | 1.4      | 1.6      | 1.8      | 1.2      | .9       |
| <b>Black and other</b>                   |          |          |          |          |          |          |
| Total, 16 years and over (thousands)     | 11,231   | 11,179   | 6,047    | 5,788    | 5,184    | 5,391    |
| Percent                                  | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    | 100.0    |
| <b>White-collar workers</b>              | 37.9     | 39.4     | 27.4     | 28.6     | 50.1     | 51.0     |
| Professional and technical               | 12.4     | 12.6     | 10.7     | 10.9     | 14.3     | 14.3     |
| Managers and administrators, except farm | 5.1      | 5.4      | 6.4      | 6.9      | 3.6      | 3.8      |
| Sales workers                            | 2.8      | 2.7      | 2.7      | 2.5      | 2.8      | 2.9      |
| Clerical workers                         | 17.6     | 18.8     | 7.6      | 8.2      | 29.3     | 30.1     |
| <b>Blue-collar workers</b>               | 36.5     | 35.4     | 52.4     | 51.7     | 17.9     | 17.9     |
| Craft and kindred workers                | 9.2      | 9.8      | 16.3     | 17.3     | .9       | 1.7      |
| Operatives, except transport             | 15.0     | 14.0     | 14.9     | 13.6     | 15.0     | 14.4     |
| Transport equipment operatives           | 4.8      | 4.7      | 8.4      | 8.6      | .5       | .5       |
| Nonfarm laborers                         | 7.5      | 7.0      | 12.8     | 12.2     | 1.4      | 1.3      |
| <b>Service workers</b>                   | 22.9     | 23.3     | 16.0     | 16.8     | 30.9     | 30.2     |
| Private household workers                | 3.1      | 3.1      | .2       | .2       | 6.5      | 6.1      |
| Other service workers                    | 19.8     | 20.2     | 15.9     | 16.6     | 24.4     | 24.1     |
| <b>Farm workers</b>                      | 2.8      | 1.9      | 4.2      | 2.9      | 1.2      | .8       |
| Farmers and farm managers                | .3       | .3       | .5       | .6       | .1       | .1       |
| Farm laborers and supervisors            | 2.5      | 1.6      | 3.6      | 2.3      | 1.1      | .8       |

¹ Less than 0.05 percent.

# HOUSEHOLD DATA

## A-23. Employed persons by class of worker, age, and sex

[In thousands]

| Age and sex                             | August 1980                |                           |            |        |               |                       |                         |               |                       |
|---|----------------------------|---------------------------|------------|--------|---------------|-----------------------|-------------------------|---------------|-----------------------|
|   | Nonagricultural industries |                           |            |        |               | Agriculture           |                         |               |                       |
|   | Wage and salary workers    |                           |            |        | Self employed | Unpaid family workers | Wage and salary workers | Self employed | Unpaid family workers |
|   | Total                      | Private household workers | Government | Other  |               |                       |                         |               |                       |
| <b>Total, 16 years and over</b> .....   | 87,184                     | 1,243                     | 14,937     | 71,003 | 6,907         | 389                   | 1,507                   | 1,775         | 354                   |
| 16 to 19 years .....                    | 8,053                      | 285                       | 725        | 7,043  | 95            | 37                    | 380                     | 52            | 98                    |
| 16 to 17 years .....                    | 3,220                      | 206                       | 285        | 2,730  | 44            | 18                    | 214                     | 28            | 67                    |
| 18 to 19 years .....                    | 4,833                      | 79                        | 440        | 4,314  | 51            | 20                    | 166                     | 24            | 31                    |
| 20 to 24 years .....                    | 13,302                     | 105                       | 1,483      | 11,714 | 339           | 41                    | 284                     | 112           | 35                    |
| 25 to 34 years .....                    | 23,624                     | 120                       | 4,291      | 19,213 | 1,549         | 69                    | 337                     | 327           | 53                    |
| 35 to 44 years .....                    | 16,559                     | 153                       | 3,273      | 13,133 | 1,764         | 93                    | 187                     | 299           | 62                    |
| 45 to 54 years .....                    | 13,991                     | 219                       | 2,951      | 10,821 | 1,470         | 80                    | 143                     | 344           | 56                    |
| 55 to 64 years .....                    | 9,617                      | 207                       | 1,879      | 7,531  | 1,149         | 51                    | 128                     | 373           | 35                    |
| 55 to 59 years .....                    | 5,977                      | 104                       | 1,200      | 4,674  | 684           | 30                    | 64                      | 182           | 22                    |
| 60 to 64 years .....                    | 3,640                      | 104                       | 679        | 2,857  | 465           | 22                    | 64                      | 190           | 13                    |
| 65 years and over .....                 | 2,038                      | 154                       | 336        | 1,548  | 541           | 17                    | 48                      | 268           | 15                    |
| <b>Males, 16 years and over</b> .....   | 49,159                     | 204                       | 7,463      | 41,492 | 4,857         | 62                    | 1,206                   | 1,565         | 126                   |
| 16 to 19 years .....                    | 4,129                      | 96                        | 342        | 3,691  | 66            | 30                    | 310                     | 47            | 85                    |
| 16 to 17 years .....                    | 1,670                      | 66                        | 133        | 1,471  | 23            | 14                    | 180                     | 23            | 53                    |
| 18 to 19 years .....                    | 2,458                      | 30                        | 209        | 2,220  | 44            | 16                    | 129                     | 24            | 27                    |
| 20 to 24 years .....                    | 6,921                      | 18                        | 623        | 6,280  | 240           | 21                    | 229                     | 107           | 27                    |
| 25 to 34 years .....                    | 13,612                     | 18                        | 2,149      | 11,445 | 1,091         | 1                     | 260                     | 288           | 3                     |
| 35 to 44 years .....                    | 9,539                      | 6                         | 1,651      | 7,882  | 1,194         | 3                     | 139                     | 258           | 2                     |
| 45 to 54 years .....                    | 8,106                      | 19                        | 1,517      | 6,570  | 1,062         | --                    | 114                     | 292           | 1                     |
| 55 to 64 years .....                    | 5,701                      | 20                        | 994        | 4,687  | 811           | 2                     | 109                     | 328           | 2                     |
| 55 to 59 years .....                    | 3,536                      | 13                        | 619        | 2,904  | 494           | 1                     | 52                      | 155           | 2                     |
| 60 to 64 years .....                    | 2,165                      | 7                         | 375        | 1,783  | 318           | 1                     | 57                      | 173           | 1                     |
| 65 years and over .....                 | 1,151                      | 27                        | 187        | 937    | 393           | 5                     | 45                      | 245           | 4                     |
| <b>Females, 16 years and over</b> ..... | 38,025                     | 1,040                     | 7,475      | 29,511 | 2,050         | 327                   | 300                     | 211           | 228                   |
| 16 to 19 years .....                    | 3,925                      | 189                       | 384        | 3,352  | 29            | 7                     | 71                      | 5             | 13                    |
| 16 to 17 years .....                    | 1,550                      | 139                       | 152        | 1,259  | 22            | 4                     | 34                      | 5             | 9                     |
| 18 to 19 years .....                    | 2,375                      | 50                        | 231        | 2,094  | 7             | 4                     | 37                      | --            | 4                     |
| 20 to 24 years .....                    | 6,381                      | 87                        | 860        | 5,434  | 99            | 20                    | 55                      | 6             | 8                     |
| 25 to 34 years .....                    | 10,012                     | 103                       | 2,142      | 7,768  | 459           | 68                    | 77                      | 39            | 50                    |
| 35 to 44 years .....                    | 7,020                      | 147                       | 1,622      | 5,251  | 569           | 90                    | 48                      | 41            | 60                    |
| 45 to 54 years .....                    | 5,885                      | 200                       | 1,434      | 4,251  | 408           | 80                    | 28                      | 52            | 55                    |
| 55 to 64 years .....                    | 3,916                      | 187                       | 885        | 2,844  | 338           | 49                    | 19                      | 45            | 33                    |
| 55 to 59 years .....                    | 2,441                      | 90                        | 581        | 1,769  | 191           | 29                    | 13                      | 27            | 20                    |
| 60 to 64 years .....                    | 1,475                      | 97                        | 304        | 1,074  | 147           | 21                    | 7                       | 17            | 12                    |
| 65 years and over .....                 | 886                        | 127                       | 149        | 610    | 148           | 12                    | 3                       | 23            | 11                    |

## A-24. Employed persons by industry and occupation

[In thousands]

| Industry                                  | August 1980    |                                    |  |               |                  |                           |                             |                                |                  |                           |                       |              |
|---|----------------|------------------------------------|--|---------------|------------------|---------------------------|-----------------------------|--------------------------------|------------------|---------------------------|-----------------------|--------------|
|   | Total employed | White-collar workers               |  |               |                  | Blue-collar workers       |                             |                                |                  | Service workers           |                       | Farm workers |
|   |                | Professional and technical workers | Managers and administrators, except farm | Sales workers | Clerical workers | Craft and kindred workers | Operative, except transport | Transport equipment operatives | Nonfarm laborers | Private household workers | Other service workers |              |
| <b>Total, 16 years and over:</b>          | 3,636          | 76                                 | 38                                       | 13            | 95               | 51                        | 13                          | 39                             | 329              | --                        | 7                     | 2,974        |
| Agriculture .....                         | 1,032          | 147                                | 80                                       | 8             | 127              | 259                       | 309                         | 58                             | 34               | --                        | 11                    | --           |
| Mining .....                              | 6,311          | 201                                | 818                                      | 26            | 434              | 3,432                     | 287                         | 203                            | 876              | --                        | 34                    | --           |
| Manufacturing .....                       | 21,497         | 2,459                              | 1,710                                    | 551           | 2,711            | 4,191                     | 7,724                       | 776                            | 935              | --                        | 440                   | --           |
| Durable goods .....                       | 12,794         | 1,704                              | 1,009                                    | 191           | 1,576            | 2,784                     | 4,381                       | 361                            | 566              | --                        | 221                   | --           |
| Nondurable goods .....                    | 8,703          | 755                                | 701                                      | 359           | 1,135            | 1,407                     | 3,343                       | 414                            | 369              | --                        | 219                   | --           |
| Transportation and public utilities ..... | 6,443          | 620                                | 678                                      | 59            | 1,565            | 1,318                     | 192                         | 1,368                          | 451              | --                        | 193                   | --           |
| Wholesale and retail trade .....          | 20,178         | 441                                | 4,038                                    | 4,022         | 3,598            | 1,522                     | 959                         | 715                            | 1,160            | --                        | 3,722                 | --           |
| Wholesale trade .....                     | 3,983          | 168                                | 864                                      | 875           | 829              | 372                       | 220                         | 373                            | 239              | --                        | 42                    | --           |
| Retail trade .....                        | 16,195         | 273                                | 3,175                                    | 3,147         | 2,769            | 1,510                     | 739                         | 341                            | 921              | --                        | 3,680                 | --           |
| Finance, insurance, and real estate ..... | 6,026          | 353                                | 1,170                                    | 1,232         | 2,801            | 99                        | 2                           | 8                              | 63               | --                        | 297                   | --           |
| Services .....                            | 27,537         | 9,690                              | 2,126                                    | 204           | 4,983            | 1,489                     | 745                         | 216                            | 708              | 1,022                     | 6,353                 | --           |
| Private households .....                  | 1,297          | 22                                 | --                                       | --            | 6                | 5                         | 2                           | --                             | 181              | 1,022                     | 58                    | --           |
| Other service industries .....            | 26,240         | 9,668                              | 2,126                                    | 204           | 4,977            | 1,484                     | 743                         | 216                            | 527              | --                        | 6,295                 | --           |
| Public administration .....               | 5,456          | 1,142                              | 697                                      | 4             | 1,931            | 275                       | 67                          | 63                             | 192              | --                        | 1,085                 | --           |

**A-25. Employed persons with a job but not at work by reason, pay status, and sex**

(In thousands)

| Reason not working                       | All industries |           | Nonagricultural industries |           |                                      |           |                              |           |
|--|----------------|-----------|----------------------------|-----------|--------------------------------------|-----------|------------------------------|-----------|
|  |                |           | Total                      |           | Wage and salary workers <sup>1</sup> |           |                              |           |
|  |                |           |                            |           | Paid absences <sup>2</sup>           |           | Unpaid absences <sup>2</sup> |           |
|  | Aug. 1979      | Aug. 1980 | Aug. 1979                  | Aug. 1980 | Aug. 1979                            | Aug. 1980 | Aug. 1979                    | Aug. 1980 |
| Total, 16 years and over . . . . .       | 10,688         | 11,221    | 10,502                     | 11,035    | 5,775                                | 6,281     | 3,975                        | 3,949     |
| Vacation . . . . .                       | 8,333          | 8,867     | 8,219                      | 8,762     | 5,087                                | 5,605     | 2,679                        | 2,682     |
| Illness . . . . .                        | 1,354          | 1,275     | 1,329                      | 1,255     | 486                                  | 467       | 717                          | 687       |
| Bad weather . . . . .                    | 58             | 77        | 45                         | 53        | --                                   | --        | --                           | --        |
| Industrial dispute . . . . .             | 137            | 100       | 136                        | 100       | --                                   | --        | --                           | --        |
| All other reasons . . . . .              | 807            | 903       | 773                        | 865       | 203                                  | 209       | 578                          | 580       |
| Males, 16 years and over . . . . .       | 5,225          | 5,428     | 5,077                      | 5,276     | 3,206                                | 3,454     | 1,442                        | 1,390     |
| Vacation . . . . .                       | 3,949          | 4,125     | 3,858                      | 4,042     | 2,795                                | 3,065     | 806                          | 731       |
| Illness . . . . .                        | 771            | 735       | 752                        | 719       | 299                                  | 284       | 376                          | 374       |
| All other reasons <sup>3</sup> . . . . . | 505            | 567       | 466                        | 514       | 111                                  | 104       | 260                          | 284       |
| Females, 16 years and over . . . . .     | 5,463          | 5,793     | 5,425                      | 5,759     | 2,571                                | 2,828     | 2,532                        | 2,559     |
| Vacation . . . . .                       | 4,384          | 4,742     | 4,360                      | 4,719     | 2,292                                | 2,540     | 1,874                        | 1,950     |
| Illness . . . . .                        | 583            | 539       | 577                        | 536       | 187                                  | 182       | 340                          | 313       |
| All other reasons <sup>3</sup> . . . . . | 496            | 513       | 488                        | 504       | 92                                   | 105       | 318                          | 295       |

<sup>1</sup> Excludes private household.

<sup>3</sup> Includes bad weather and industrial disputes, not shown separately.

<sup>2</sup> Pay status not available separately for bad weather and industrial disputes; these categories are included in all other reasons.

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

**A-26. Persons at work by type of industry and hours of work**

| Hours of work   | August 1980          |                             |              |                      |                             |              |
|---|----------------------|-----------------------------|--------------|----------------------|-----------------------------|--------------|
|   | Thousands of persons |                             |              | Percent distribution |                             |              |
|   | All industries       | Nonagri-cultural industries | Agri-culture | All industries       | Nonagri-cultural industries | Agri-culture |
| Total, 16 years and over . . . . .                      | 86,894               | 83,445                      | 3,449        | 100.0                | 100.0                       | 100.0        |
| 1-34 hours . . . . .                                    | 19,894               | 18,892                      | 1,002        | 22.9                 | 22.6                        | 29.1         |
| 1-4 hours . . . . .                                     | 668                  | 634                         | 34           | .8                   | .8                          | 1.0          |
| 5-14 hours . . . . .                                    | 3,142                | 2,914                       | 228          | 3.6                  | 3.5                         | 6.6          |
| 15-29 hours . . . . .                                   | 9,800                | 9,302                       | 498          | 11.3                 | 11.1                        | 14.4         |
| 30-34 hours . . . . .                                   | 6,284                | 6,042                       | 242          | 7.2                  | 7.2                         | 7.0          |
| 35 hours and over . . . . .                             | 67,000               | 64,552                      | 2,447        | 77.1                 | 77.4                        | 70.9         |
| 35-39 hours . . . . .                                   | 6,350                | 6,211                       | 139          | 7.3                  | 7.4                         | 4.0          |
| 40 hours . . . . .                                      | 38,610               | 38,026                      | 584          | 44.4                 | 45.6                        | 16.9         |
| 41 hours and over . . . . .                             | 22,040               | 20,315                      | 1,724        | 25.4                 | 24.3                        | 50.0         |
| 41 to 48 hours . . . . .                                | 8,411                | 8,131                       | 279          | 9.7                  | 9.7                         | 8.1          |
| 49 to 59 hours . . . . .                                | 7,442                | 7,010                       | 432          | 8.6                  | 8.4                         | 12.5         |
| 60 hours and over . . . . .                             | 6,187                | 5,174                       | 1,013        | 7.1                  | 6.2                         | 29.4         |
| Average hours, total at work . . . . .                  | 39.2                 | 38.9                        | 45.9         | --                   | --                          | --           |
| Average hours, workers on full-time schedules . . . . . | 43.0                 | 42.5                        | 53.9         | --                   | --                          | --           |

# HOUSEHOLD DATA

## A-27. Persons at work 1 - 34 hours by usual status and reason for working less than 35 hours

[Numbers in thousands]

| Reason for working less than 35 hours                          | August 1980    |                        |                        |                            |                        |                        |
|--|----------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
|  | All industries |                        |                        | Nonagricultural industries |                        |                        |
|  | Total          | Usually work full time | Usually work part time | Total                      | Usually work full time | Usually work part time |
| Total, 16 years and over . . . . .                             | 19,894         | 7,077                  | 12,817                 | 18,892                     | 6,722                  | 12,170                 |
| Economic reasons . . . . .                                     | 5,133          | 2,028                  | 3,105                  | 4,810                      | 1,870                  | 2,940                  |
| Slack work . . . . .   | 2,375          | 1,516                  | 859                    | 2,154                      | 1,367                  | 787                    |
| Material shortages or repairs to plant and equipment . . . . . | 74             | 74                     | --                     | 70                         | 70                     | --                     |
| New job started during week . . . . .                          | 297            | 297                    | --                     | 291                        | 291                    | --                     |
| Job terminated during week . . . . .                           | 141            | 141                    | --                     | 141                        | 141                    | --                     |
| Could find only part-time work . . . . .                       | 2,246          | --                     | 2,246                  | 2,152                      | --                     | 2,152                  |
| Other reasons . . . . .  | 14,761         | 5,049                  | 9,712                  | 14,084                     | 4,854                  | 9,230                  |
| Does not want, or unavailable for, full-time work . . . . .    | 7,697          | --                     | 7,697                  | 7,357                      | --                     | 7,357                  |
| Vacation . . . . .   | 1,834          | 1,834                  | --                     | 1,801                      | 1,801                  | --                     |
| Illness . . . . .  | 1,430          | 1,262                  | 168                    | 1,388                      | 1,242                  | 146                    |
| Bad weather . . . . .  | 339            | 339                    | --                     | 263                        | 263                    | --                     |
| Industrial dispute . . . . .                                   | 25             | 25                     | --                     | 25                         | 25                     | --                     |
| Legal or religious holiday . . . . .                           | 167            | 167                    | --                     | 165                        | 165                    | --                     |
| Full time for this job . . . . .                               | 1,299          | --                     | 1,299                  | 1,247                      | --                     | 1,247                  |
| All other reasons . . . . .                                    | 1,969          | 1,422                  | 547                    | 1,835                      | 1,356                  | 479                    |
| Average hours:   |                |                        |                        |                            |                        |                        |
| Economic reasons . . . . .                                     | 21.9           | 24.2                   | 20.4                   | 22.0                       | 24.3                   | 20.5                   |
| Other reasons . . . . .  | 21.9           | 25.7                   | 20.0                   | 22.1                       | 25.8                   | 20.1                   |
| Worked 30 to 34 hours:   |                |                        |                        |                            |                        |                        |
| Economic reasons . . . . .                                     | 1,623          | 884                    | 739                    | 1,532                      | 823                    | 709                    |
| Other reasons . . . . .  | 4,661          | 2,583                  | 2,078                  | 4,510                      | 2,507                  | 2,003                  |

## A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

| Industry  | August 1980               |                                   |                        |                        |                  |                |                  |      | Average hours, total at work | Average hours, workers on full-time schedules |
|---|---------------------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------|------------------------------|---|
|   | Full- or part-time status |                                   |                        |                        |                  |                |                  |      |                              |   |
|   | Total at work             | On part time for economic reasons | On voluntary part time | On full-time schedules |                  |                |                  |      |                              |   |
|   |                           |                                   |                        | Total                  | 40 hours or less | 41 to 48 hours | 49 hours or more |      |                              |   |
| Total, 16 years and over <sup>1</sup> . . . . . | 83,445                    | 4,810                             | 9,230                  | 69,405                 | 49,090           | 8,131          | 12,184           | 38.9 | 42.5                         |   |
| Wage and salary workers . . . . .               | 76,857                    | 4,350                             | 8,098                  | 64,409                 | 46,793           | 7,579          | 10,037           | 38.7 | 42.1                         |   |
| Construction . . . . .                          | 4,796                     | 334                               | 199                    | 4,263                  | 3,593            | 456            | 714              | 39.6 | 42.0                         |   |
| Manufacturing . . . . .                         | 19,126                    | 779                               | 496                    | 17,851                 | 13,055           | 2,464          | 2,332            | 40.6 | 41.8                         |   |
| Durable goods . . . . .                         | 11,321                    | 361                               | 183                    | 10,777                 | 8,018            | 1,408          | 1,351            | 40.9 | 41.7                         |   |
| Non-durable goods . . . . .                     | 7,805                     | 419                               | 313                    | 7,073                  | 5,036            | 1,056          | 981              | 40.1 | 41.9                         |   |
| Transportation and public utilities . . . . .   | 5,502                     | 160                               | 236                    | 5,106                  | 3,575            | 623            | 908              | 41.5 | 43.1                         |   |
| Wholesale and retail trade . . . . .            | 16,549                    | 1,440                             | 3,228                  | 11,881                 | 7,771            | 1,702          | 2,408            | 36.9 | 43.0                         |   |
| Finance, insurance, and real estate . . . . .   | 5,077                     | 108                               | 437                    | 4,532                  | 3,461            | 438            | 633              | 39.2 | 41.5                         |   |
| Service industries . . . . .                    | 19,967                    | 1,369                             | 3,266                  | 15,332                 | 11,744           | 1,360          | 2,228            | 36.5 | 41.6                         |   |
| Private households . . . . .                    | 1,147                     | 232                               | 505                    | 410                    | 296              | 27             | 87               | 24.9 | 44.2                         |   |
| All other industries . . . . .                  | 18,820                    | 1,137                             | 2,761                  | 14,922                 | 11,448           | 1,333          | 2,141            | 37.2 | 41.5                         |   |
| Public administration . . . . .                 | 4,917                     | 128                               | 222                    | 4,567                  | 3,601            | 410            | 556              | 40.1 | 41.5                         |   |
| Self-employed workers . . . . .                 | 6,198                     | 435                               | 981                    | 4,782                  | 2,779            | 523            | 2,080            | 41.4 | 48.3                         |   |
| Unpaid family workers . . . . .                 | 389                       | 25                                | 151                    | 213                    | 116              | 30             | 67               | 35.7 | 46.6                         |   |

<sup>1</sup> Includes mining, not shown separately.



**HOUSEHOLD DATA**

**A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status**

(Numbers in thousands)

| Sex, age, race, and marital status      | August 1980   |                                   |                        |                        |                  |                  |                              |   |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|------------------|------------------------------|---|
|   | Total at work | On part time for economic reasons | On voluntary part time | On full-time schedules |                  |                  | Average hours, total at work | Average hours, workers on full-time schedules |
|   |               |                                   |                        | Total                  | 40 hours or less | 41 hours or more |                              |   |
| <b>TOTAL</b>                            |               |                                   |                        |                        |                  |                  |                              |   |
| Both sexes, 16 years and over .....     | 83,445        | 4,810                             | 9,230                  | 69,405                 | 49,090           | 20,315           | 38.9                         | 42.5  |
| 16 to 21 years .....                    | 12,663        | 1,770                             | 2,737                  | 8,156                  | 6,448            | 1,708            | 33.7                         | 40.8  |
| 16 to 19 years .....                    | 7,687         | 1,321                             | 2,194                  | 4,172                  | 3,370            | 802              | 31.3                         | 40.3  |
| 16 to 17 years .....                    | 3,062         | 600                               | 1,321                  | 1,141                  | 977              | 164              | 26.8                         | 39.0  |
| 18 to 19 years .....                    | 4,625         | 720                               | 872                    | 3,033                  | 2,395            | 638              | 34.2                         | 40.8  |
| 20 years and over .....                 | 75,758        | 3,489                             | 7,036                  | 65,233                 | 45,720           | 19,513           | 39.6                         | 42.7  |
| 20 to 24 years .....                    | 12,711        | 912                               | 1,162                  | 10,637                 | 8,071            | 2,566            | 38.3                         | 41.4  |
| 25 years and over .....                 | 63,047        | 2,575                             | 5,874                  | 54,598                 | 37,650           | 16,948           | 39.9                         | 43.0  |
| 25 to 44 years .....                    | 38,310        | 1,622                             | 2,789                  | 33,899                 | 23,061           | 10,838           | 40.5                         | 43.0  |
| 45 to 64 years .....                    | 22,488        | 856                               | 1,984                  | 19,648                 | 13,863           | 5,785            | 40.0                         | 42.8  |
| 65 years and over .....                 | 2,249         | 98                                | 1,101                  | 1,050                  | 726              | 324              | 28.7                         | 42.5  |
| <b>Males, 16 years and over .....</b>   | <b>48,803</b> | <b>2,303</b>                      | <b>2,714</b>           | <b>43,786</b>          | <b>28,058</b>    | <b>15,728</b>    | <b>41.5</b>                  | <b>43.8</b>                                   |
| 16 to 21 years .....                    | 6,531         | 835                               | 1,132                  | 4,564                  | 3,409            | 1,155            | 35.4                         | 41.6  |
| 16 to 19 years .....                    | 3,952         | 623                               | 946                    | 2,383                  | 1,853            | 530              | 32.9                         | 40.8  |
| 16 to 17 years .....                    | 1,581         | 298                               | 596                    | 687                    | 582              | 105              | 28.2                         | 39.1  |
| 18 to 19 years .....                    | 2,371         | 325                               | 350                    | 1,696                  | 1,271            | 425              | 36.1                         | 41.5  |
| 20 years and over .....                 | 44,851        | 1,679                             | 1,768                  | 41,404                 | 26,206           | 15,198           | 42.2                         | 44.0  |
| 20 to 24 years .....                    | 6,743         | 448                               | 389                    | 5,906                  | 4,077            | 1,829            | 40.1                         | 42.7  |
| 25 years and over .....                 | 38,108        | 1,232                             | 1,379                  | 35,497                 | 22,130           | 13,367           | 42.6                         | 44.2  |
| 25 to 44 years .....                    | 23,050        | 811                               | 375                    | 21,864                 | 13,345           | 8,519            | 43.3                         | 44.5  |
| 45 to 64 years .....                    | 13,689        | 370                               | 395                    | 12,924                 | 8,309            | 4,615            | 42.6                         | 43.9  |
| 65 years and over .....                 | 1,369         | 51                                | 609                    | 709                    | 476              | 233              | 30.0                         | 42.4  |
| <b>Females, 16 years and over .....</b> | <b>34,642</b> | <b>2,507</b>                      | <b>6,516</b>           | <b>25,619</b>          | <b>21,031</b>    | <b>4,588</b>     | <b>35.2</b>                  | <b>40.4</b>                                   |
| 16 to 21 years .....                    | 6,131         | 936                               | 1,604                  | 3,591                  | 3,039            | 552              | 31.9                         | 39.8  |
| 16 to 19 years .....                    | 3,735         | 698                               | 1,248                  | 1,789                  | 1,519            | 270              | 29.5                         | 39.6  |
| 16 to 17 years .....                    | 1,481         | 303                               | 726                    | 452                    | 393              | 59               | 25.3                         | 36.8  |
| 18 to 19 years .....                    | 2,254         | 394                               | 522                    | 1,338                  | 1,125            | 213              | 32.3                         | 39.9  |
| 20 years and over .....                 | 30,907        | 1,809                             | 5,269                  | 23,829                 | 19,512           | 4,317            | 35.9                         | 40.4  |
| 20 to 24 years .....                    | 5,968         | 464                               | 773                    | 4,731                  | 3,994            | 737              | 36.2                         | 39.9  |
| 25 years and over .....                 | 24,939        | 1,346                             | 4,495                  | 19,098                 | 15,517           | 3,581            | 35.8                         | 40.6  |
| 25 to 44 years .....                    | 15,261        | 811                               | 2,414                  | 12,036                 | 9,716            | 2,320            | 36.3                         | 40.4  |
| 45 to 64 years .....                    | 8,800         | 486                               | 1,589                  | 6,725                  | 5,556            | 1,169            | 35.9                         | 40.6  |
| 65 years and over .....                 | 879           | 48                                | 492                    | 339                    | 248              | 91               | 26.5                         | 42.6  |
| <b>RACE</b>                             |               |                                   |                        |                        |                  |                  |                              |   |
| <b>White .....</b>                      | <b>73,822</b> | <b>4,038</b>                      | <b>8,362</b>           | <b>61,422</b>          | <b>42,461</b>    | <b>18,961</b>    | <b>39.0</b>                  | <b>42.8</b>                                   |
| Males .....                             | 43,723        | 1,942                             | 2,415                  | 39,366                 | 24,607           | 14,759           | 41.7                         | 44.0  |
| Females .....                           | 30,099        | 2,097                             | 5,947                  | 22,055                 | 17,853           | 4,202            | 35.1                         | 40.4  |
| <b>Black and other .....</b>            | <b>9,623</b>  | <b>772</b>                        | <b>868</b>             | <b>7,983</b>           | <b>6,627</b>     | <b>1,356</b>     | <b>37.5</b>                  | <b>40.9</b>                                   |
| Males .....                             | 5,079         | 362                               | 299                    | 4,418                  | 3,449            | 969              | 39.1                         | 41.8  |
| Females .....                           | 4,544         | 410                               | 570                    | 3,564                  | 3,178            | 386              | 35.8                         | 39.9  |
| <b>MARITAL STATUS</b>                   |               |                                   |                        |                        |                  |                  |                              |   |
| <b>Males, 16 years and over:</b>        |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....           | 32,387        | 959                               | 1,087                  | 30,341                 | 18,652           | 11,689           | 42.8                         | 44.3  |
| Widowed, divorced, or separated .....   | 4,116         | 167                               | 174                    | 3,775                  | 2,437            | 1,338            | 42.1                         | 44.1  |
| Single (never married) .....            | 12,300        | 1,177                             | 1,453                  | 9,670                  | 6,970            | 2,700            | 37.7                         | 42.3  |
| <b>Females, 16 years and over:</b>      |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....           | 18,083        | 1,001                             | 3,819                  | 13,263                 | 10,974           | 2,289            | 34.9                         | 40.2  |
| Widowed, divorced, or separated .....   | 6,697         | 441                               | 815                    | 5,441                  | 4,267            | 1,174            | 37.2                         | 40.9  |
| Single (never married) .....            | 9,862         | 1,065                             | 1,882                  | 6,915                  | 5,790            | 1,125            | 34.4                         | 40.1  |

# HOUSEHOLD DATA

## A-30. Persons at work in nonfarm occupations by full- or part-time status and sex

(Numbers in thousands)

| Occupational group and sex                     | August 1980   |                                   |                        |                        |                  |                |                  |                              |   |
|--|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
|  | Total at work | On part time for economic reasons | On voluntary part time | On full-time schedules |                  |                |                  | Average hours, total at work | Average hours, workers on full-time schedules |
|  |               |                                   |                        | Total                  | 40 hours or less | 41 to 40 hours | 40 hours or more |                              |   |
| <b>Total, 16 years and over</b> .....          | 84,049        | 4,877                             | 9,323                  | 69,849                 | 49,326           | 8,208          | 12,315           | 38.8                         | 42.6  |
| <b>White-collar workers</b> .....              | 44,005        | 1,543                             | 5,055                  | 37,407                 | 25,885           | 4,177          | 7,345            | 39.4                         | 42.8  |
| Professional and technical .....               | 11,812        | 301                               | 1,085                  | 10,426                 | 7,368            | 1,145          | 1,913            | 39.6                         | 42.3  |
| Managers and administrators, except farm ..... | 10,238        | 166                               | 429                    | 9,643                  | 4,726            | 1,306          | 3,611            | 45.4                         | 47.0  |
| Sales workers .....                            | 5,547         | 337                               | 1,175                  | 4,035                  | 2,485            | 535            | 1,015            | 37.0                         | 43.5  |
| Clerical workers .....                         | 16,407        | 738                               | 2,367                  | 13,302                 | 11,304           | 1,191          | 807              | 36.4                         | 39.9  |
| <b>Blue-collar workers</b> .....               | 28,285        | 1,960                             | 1,457                  | 24,868                 | 17,681           | 3,295          | 3,892            | 39.9                         | 42.4  |
| Craft and kindred workers .....                | 11,509        | 562                               | 340                    | 10,607                 | 7,220            | 1,460          | 1,927            | 41.2                         | 42.8  |
| Operatives, except transport .....             | 9,344         | 676                               | 400                    | 8,268                  | 6,409            | 1,059          | 800              | 39.3                         | 41.3  |
| Transport equipment operatives .....           | 3,085         | 205                               | 151                    | 2,729                  | 1,563            | 399            | 767              | 42.5                         | 45.3  |
| Nonfarm laborers .....                         | 4,347         | 519                               | 565                    | 3,263                  | 2,490            | 376            | 397              | 36.1                         | 41.5  |
| <b>Service workers</b> .....                   | 11,759        | 1,374                             | 2,811                  | 7,574                  | 5,760            | 736            | 1,078            | 34.2                         | 42.0  |
| Private household .....                        | 924           | 166                               | 399                    | 359                    | 249              | 27             | 83               | 26.3                         | 44.3  |
| Other service workers .....                    | 10,836        | 1,207                             | 2,412                  | 7,217                  | 5,514            | 709            | 994              | 34.9                         | 41.9  |
| <b>Males, 16 years and over</b> .....          | 49,239        | 2,353                             | 2,746                  | 44,140                 | 28,238           | 5,847          | 10,055           | 41.5                         | 43.8  |
| <b>White-collar workers</b> .....              | 21,358        | 434                               | 1,043                  | 19,881                 | 11,573           | 2,526          | 5,782            | 43.2                         | 44.9  |
| Professional and technical .....               | 7,322         | 129                               | 356                    | 6,837                  | 4,505            | 749            | 1,583            | 41.9                         | 43.5  |
| Managers and administrators, except farm ..... | 7,668         | 104                               | 193                    | 7,371                  | 3,377            | 978            | 3,016            | 46.5                         | 47.6  |
| Sales workers .....                            | 3,021         | 94                                | 224                    | 2,703                  | 1,469            | 395            | 839              | 42.2                         | 44.9  |
| Clerical workers .....                         | 3,347         | 106                               | 270                    | 2,971                  | 2,224            | 404            | 343              | 39.1                         | 41.5  |
| <b>Blue-collar workers</b> .....               | 23,301        | 1,501                             | 1,055                  | 20,745                 | 14,223           | 2,881          | 3,641            | 40.6                         | 42.9  |
| Craft and kindred workers .....                | 10,811        | 519                               | 271                    | 10,021                 | 6,781            | 1,388          | 1,852            | 41.4                         | 42.9  |
| Operatives, except transport .....             | 5,652         | 323                               | 185                    | 5,144                  | 3,734            | 753            | 657              | 40.7                         | 42.3  |
| Transport equipment operatives .....           | 2,963         | 194                               | 125                    | 2,644                  | 1,500            | 391            | 753              | 42.9                         | 45.5  |
| Nonfarm laborers .....                         | 3,875         | 465                               | 475                    | 2,935                  | 2,207            | 349            | 379              | 36.3                         | 41.5  |
| <b>Service workers</b> .....                   | 4,580         | 418                               | 648                    | 3,514                  | 2,442            | 440            | 632              | 38.1                         | 43.4  |
| Private household .....                        | 26            | 5                                 | 7                      | 14                     | 8                | 3              | 3                | 39.1                         | 51.1  |
| Other service workers .....                    | 4,553         | 413                               | 641                    | 3,499                  | 2,433            | 437            | 629              | 38.1                         | 43.4  |
| <b>Females, 16 years and over</b> .....        | 34,812        | 2,525                             | 6,577                  | 25,710                 | 21,089           | 2,361          | 2,260            | 35.2                         | 40.4  |
| <b>White-collar workers</b> .....              | 22,647        | 1,109                             | 4,012                  | 17,526                 | 14,311           | 1,651          | 1,564            | 35.9                         | 40.4  |
| Professional and technical .....               | 4,490         | 173                               | 728                    | 3,589                  | 2,864            | 396            | 329              | 36.0                         | 39.9  |
| Managers and administrators, except farm ..... | 2,571         | 62                                | 236                    | 2,273                  | 1,350            | 328            | 595              | 42.1                         | 45.0  |
| Sales workers .....                            | 2,527         | 243                               | 951                    | 1,333                  | 1,018            | 140            | 175              | 30.8                         | 40.9  |
| Clerical workers .....                         | 13,059        | 631                               | 2,097                  | 10,331                 | 9,081            | 787            | 463              | 35.7                         | 39.5  |
| <b>Blue-collar workers</b> .....               | 4,985         | 460                               | 402                    | 4,123                  | 3,459            | 414            | 250              | 37.0                         | 40.0  |
| Craft and kindred workers .....                | 698           | 43                                | 70                     | 585                    | 437              | 73             | 75               | 37.9                         | 41.1  |
| Operatives, except transport .....             | 3,692         | 353                               | 215                    | 3,124                  | 2,675            | 306            | 143              | 37.3                         | 39.7  |
| Transport equipment operatives .....           | 123           | 11                                | 26                     | 86                     | 64               | 8              | 14               | 34.1                         | 41.5  |
| Nonfarm laborers .....                         | 473           | 53                                | 91                     | 329                    | 284              | 27             | 18               | 34.3                         | 40.7  |
| <b>Service workers</b> .....                   | 7,180         | 956                               | 2,163                  | 4,061                  | 3,319            | 296            | 446              | 31.7                         | 40.8  |
| Private household .....                        | 897           | 162                               | 392                    | 343                    | 239              | 24             | 80               | 25.9                         | 44.0  |
| Other service workers .....                    | 6,282         | 794                               | 1,771                  | 3,717                  | 3,080            | 272            | 365              | 32.6                         | 40.5  |

## A-31. Employment status of 14-15 year-olds by sex and race

[Numbers in thousands]

| Employment status                          | August 1980 |       |         |            |       |         |                 |       |         |
|--|-------------|-------|---------|------------|-------|---------|-----------------|-------|---------|
|  | Total       |       |         | White      |       |         | Black and other |       |         |
|  | Both sexes  | Males | Females | Both sexes | Males | Females | Both sexes      | Males | Females |
| Civilian noninstitutional population ..... | 7,535       | 3,832 | 3,703   | 6,252      | 3,187 | 3,064   | 1,283           | 644   | 639     |
| Civilian labor force .....                 | 1,788       | 1,058 | 730     | 1,572      | 926   | 646     | 216             | 132   | 84      |
| Employed .....                             | 1,538       | 923   | 615     | 1,392      | 835   | 557     | 145             | 88    | 58      |
| Agriculture .....                          | 228         | 189   | 39      | 215        | 176   | 39      | 13              | 13    | --      |
| Nonagricultural industries .....           | 1,310       | 734   | 576     | 1,178      | 659   | 519     | 132             | 74    | 58      |
| Unemployed .....                           | 250         | 135   | 115     | 180        | 91    | 89      | 70              | 44    | 26      |
| Unemployment rate .....                    | 14.0        | 12.8  | 15.8    | 11.5       | 9.8   | 13.8    | 32.4            | 33.3  | 31.0    |
| Not in labor force .....                   | 5,747       | 2,774 | 2,973   | 4,680      | 2,261 | 2,418   | 1,067           | 513   | 555     |
| Keeping house .....                        | 370         | 27    | 343     | 271        | 25    | 246     | 100             | 2     | 98      |
| Going to school .....                      | 282         | 140   | 142     | 198        | 94    | 104     | 83              | 45    | 38      |
| Unable to work .....                       | 15          | 4     | 10      | 15         | 4     | 10      | --              | --    | --      |
| All other reasons .....                    | 5,080       | 2,602 | 2,478   | 4,196      | 2,138 | 2,058   | 884             | 465   | 420     |

## A-32. Employed 14-15 year-olds by sex, class of worker, and occupation

| Characteristics                                | August 1980          |       |         |                      |       |         |
|--|----------------------|-------|---------|----------------------|-------|---------|
|  | Thousands of persons |       |         | Percent distribution |       |         |
|  | Both sexes           | Males | Females | Both sexes           | Males | Females |
| <b>CLASS OF WORKER</b>                         |                      |       |         |                      |       |         |
| Total .....                                    | 1,538                | 923   | 615     | 100.0                | 100.0 | 100.0   |
| Nonagricultural industries .....               | 1,310                | 734   | 576     | 85.2                 | 79.6  | 93.8    |
| Wage and salary workers .....                  | 1,222                | 667   | 555     | 79.5                 | 72.3  | 90.4    |
| Private household workers .....                | 414                  | 151   | 262     | 26.9                 | 16.4  | 42.7    |
| Government workers .....                       | 133                  | 78    | 55      | 8.6                  | 8.5   | 9.0     |
| Other wage and salary workers .....            | 675                  | 437   | 238     | 43.9                 | 47.4  | 38.8    |
| Self-employed workers .....                    | 72                   | 53    | 19      | 4.7                  | 5.7   | 3.1     |
| Unpaid family workers .....                    | 16                   | 14    | 2       | 1.0                  | 1.5   | .3      |
| Agriculture .....                              | 228                  | 189   | 39      | 14.8                 | 20.5  | 6.4     |
| Wage and salary workers .....                  | 134                  | 108   | 25      | 8.7                  | 11.7  | 4.1     |
| Self-employed workers .....                    | 31                   | 29    | 2       | 2.0                  | 3.1   | .3      |
| Unpaid family workers .....                    | 63                   | 52    | 11      | 4.1                  | 5.6   | 1.8     |
| <b>OCCUPATION</b>                              |                      |       |         |                      |       |         |
| Total .....                                    | 1,538                | 923   | 615     | 100.0                | 100.0 | 100.0   |
| White-collar workers .....                     | 326                  | 200   | 126     | 21.2                 | 21.7  | 20.5    |
| Professional and technical .....               | 13                   | 6     | 7       | .8                   | .7    | 1.1     |
| Managers and administrators, except farm ..... | 7                    | 3     | 4       | .5                   | .3    | .7      |
| Sales workers .....                            | 220                  | 163   | 57      | 14.3                 | 17.7  | 9.3     |
| Clerical workers .....                         | 87                   | 28    | 58      | 5.7                  | 3.0   | 9.4     |
| Blue-collar workers .....                      | 434                  | 377   | 57      | 28.2                 | 40.9  | 9.3     |
| Craft and kindred workers .....                | 35                   | 30    | 5       | 2.3                  | 3.3   | .8      |
| Operatives, except transport .....             | 47                   | 34    | 13      | 3.1                  | 3.7   | 2.1     |
| Transport equipment operatives .....           | 2                    | 1     | 1       | .1                   | .1    | .2      |
| Nonfarm laborers .....                         | 350                  | 311   | 38      | 22.8                 | 33.7  | 6.2     |
| Service workers .....                          | 596                  | 199   | 397     | 38.8                 | 21.6  | 64.7    |
| Private household workers .....                | 279                  | 31    | 249     | 18.1                 | 3.4   | 40.6    |
| Other service workers .....                    | 317                  | 168   | 148     | 20.6                 | 18.2  | 24.1    |
| Farm workers .....                             | 181                  | 147   | 34      | 11.8                 | 15.9  | 5.5     |
| Farmers and farm managers .....                | 6                    | 4     | 2       | .4                   | .4    | .3      |
| Farm laborers and supervisors .....            | 175                  | 143   | 32      | 11.4                 | 15.5  | 5.2     |

# HOUSEHOLD DATA SEASONALLY ADJUSTED

## A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

| Employment status                                       | 1979    |         |         |         |         | 1980    |         |         |         |         |         |         |         |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|   | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    |
| <b>TOTAL</b>  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total noninstitutional population <sup>1</sup> .....    | 163,891 | 164,106 | 164,468 | 164,682 | 164,898 | 165,101 | 165,298 | 165,506 | 165,693 | 165,886 | 166,105 | 166,391 | 166,578 |
| Armed Forces <sup>1</sup> .....                         | 2,090   | 2,092   | 2,093   | 2,092   | 2,089   | 2,081   | 2,086   | 2,090   | 2,092   | 2,088   | 2,092   | 2,099   | 2,114   |
| Civilian noninstitutional population <sup>1</sup> ..... | 161,801 | 162,013 | 162,375 | 162,589 | 162,809 | 163,020 | 163,211 | 163,416 | 163,601 | 163,799 | 164,013 | 164,293 | 164,464 |
| Civilian labor force .....                              | 103,128 | 103,494 | 103,595 | 103,652 | 103,999 | 104,229 | 104,260 | 104,094 | 104,419 | 105,142 | 104,542 | 105,203 | 105,025 |
| Percent of civilian population .....                    | 63.7    | 63.9    | 63.8    | 63.8    | 63.9    | 63.9    | 63.9    | 63.7    | 63.8    | 64.2    | 63.7    | 64.0    | 63.9    |
| Employed .....  | 97,004  | 97,504  | 97,474  | 97,608  | 97,912  | 97,804  | 97,953  | 97,656  | 97,154  | 96,988  | 96,537  | 96,996  | 97,006  |
| Percent of total population .....                       | 59.2    | 59.4    | 59.3    | 59.3    | 59.4    | 59.2    | 59.3    | 59.0    | 58.6    | 58.5    | 58.1    | 58.3    | 58.2    |
| Agriculture .....                                       | 3,315   | 3,364   | 3,294   | 3,385   | 3,359   | 3,270   | 3,326   | 3,358   | 3,242   | 3,379   | 3,191   | 3,257   | 3,180   |
| Nonagricultural industries .....                        | 93,689  | 94,140  | 94,180  | 94,223  | 94,553  | 94,534  | 94,626  | 94,298  | 93,912  | 93,609  | 93,346  | 93,739  | 93,826  |
| Unemployed .....  | 6,124   | 5,990   | 6,121   | 6,044   | 6,087   | 6,425   | 6,307   | 6,438   | 7,265   | 8,154   | 8,006   | 8,207   | 8,019   |
| Unemployment rate .....                                 | 5.9     | 5.8     | 5.9     | 5.8     | 5.9     | 6.2     | 6.0     | 6.2     | 7.0     | 7.8     | 7.7     | 7.8     | 7.6     |
| Not in labor force .....                                | 58,673  | 58,519  | 58,780  | 58,937  | 58,810  | 58,791  | 58,951  | 59,322  | 59,182  | 58,657  | 59,471  | 59,091  | 59,439  |
| <b>Males, 20 years and over</b>                         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total noninstitutional population <sup>1</sup> .....    | 70,099  | 70,205  | 70,380  | 70,487  | 70,594  | 70,695  | 70,792  | 70,896  | 70,988  | 71,083  | 71,190  | 71,326  | 71,430  |
| Civilian noninstitutional population <sup>1</sup> ..... | 68,417  | 68,522  | 68,697  | 68,804  | 68,940  | 69,047  | 69,140  | 69,238  | 69,329  | 69,428  | 69,532  | 69,664  | 69,756  |
| Civilian labor force .....                              | 54,597  | 54,735  | 54,760  | 54,709  | 54,781  | 54,855  | 55,038  | 54,996  | 55,114  | 55,467  | 55,220  | 55,398  | 55,474  |
| Percent of civilian population .....                    | 79.8    | 79.9    | 79.7    | 79.5    | 79.5    | 79.4    | 79.6    | 79.4    | 79.5    | 79.9    | 79.4    | 79.5    | 79.5    |
| Employed .....  | 52,311  | 52,453  | 52,443  | 52,374  | 52,478  | 52,279  | 52,531  | 52,300  | 51,868  | 51,796  | 51,510  | 51,668  | 51,792  |
| Percent of total population .....                       | 74.6    | 74.7    | 74.5    | 74.3    | 74.3    | 73.9    | 74.2    | 73.8    | 73.1    | 72.9    | 72.4    | 72.4    | 72.5    |
| Agriculture .....                                       | 2,375   | 2,377   | 2,371   | 2,438   | 2,427   | 2,387   | 2,435   | 2,394   | 2,320   | 2,384   | 2,270   | 2,292   | 2,286   |
| Nonagricultural industries .....                        | 49,936  | 50,076  | 50,072  | 49,936  | 50,051  | 49,892  | 50,096  | 49,906  | 49,548  | 49,412  | 49,240  | 49,376  | 49,506  |
| Unemployed .....  | 2,286   | 2,282   | 2,317   | 2,335   | 2,303   | 2,577   | 2,507   | 2,696   | 3,246   | 3,671   | 3,710   | 3,730   | 3,682   |
| Unemployment rate .....                                 | 4.2     | 4.2     | 4.2     | 4.3     | 4.2     | 4.7     | 4.6     | 4.9     | 5.9     | 6.6     | 6.7     | 6.7     | 6.6     |
| Not in labor force .....                                | 13,820  | 13,787  | 13,937  | 14,095  | 14,159  | 14,192  | 14,102  | 14,242  | 14,215  | 13,961  | 14,312  | 14,266  | 14,282  |
| <b>Females, 20 years and over</b>                       |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total noninstitutional population <sup>1</sup> .....    | 77,127  | 77,245  | 77,429  | 77,547  | 77,666  | 77,779  | 77,890  | 78,005  | 78,110  | 78,219  | 78,340  | 78,493  | 78,607  |
| Civilian noninstitutional population <sup>1</sup> ..... | 77,006  | 77,124  | 77,308  | 77,426  | 77,542  | 77,656  | 77,766  | 77,876  | 77,981  | 78,090  | 78,211  | 78,360  | 78,473  |
| Civilian labor force .....                              | 39,304  | 39,239  | 39,362  | 39,445  | 39,659  | 39,878  | 39,857  | 39,751  | 40,137  | 40,246  | 40,125  | 40,471  | 40,589  |
| Percent of civilian population .....                    | 51.0    | 50.9    | 50.9    | 50.9    | 51.1    | 51.4    | 51.3    | 51.0    | 51.5    | 51.5    | 51.3    | 51.6    | 51.7    |
| Employed .....  | 37,000  | 37,075  | 37,112  | 37,248  | 37,402  | 37,574  | 37,604  | 37,496  | 37,602  | 37,576  | 37,530  | 37,769  | 37,961  |
| Percent of total population .....                       | 48.0    | 48.0    | 47.9    | 48.0    | 48.2    | 48.3    | 48.3    | 48.1    | 48.1    | 48.0    | 47.9    | 48.1    | 48.3    |
| Agriculture .....                                       | 600     | 628     | 572     | 612     | 582     | 540     | 567     | 582     | 552     | 616     | 541     | 565     | 548     |
| Nonagricultural industries .....                        | 36,400  | 36,447  | 36,540  | 36,636  | 36,820  | 37,034  | 37,037  | 36,914  | 37,051  | 36,960  | 36,989  | 37,204  | 37,413  |
| Unemployed .....  | 2,304   | 2,164   | 2,250   | 2,197   | 2,257   | 2,304   | 2,254   | 2,255   | 2,534   | 2,670   | 2,596   | 2,702   | 2,628   |
| Unemployment rate .....                                 | 5.9     | 5.5     | 5.7     | 5.6     | 5.7     | 5.8     | 5.7     | 5.7     | 6.3     | 6.6     | 6.5     | 6.7     | 6.5     |
| Not in labor force .....                                | 37,702  | 37,885  | 37,946  | 37,981  | 37,883  | 37,778  | 37,909  | 38,125  | 37,844  | 37,844  | 38,086  | 37,889  | 37,884  |
| <b>Both sexes, 16-19 years</b>                          |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total noninstitutional population <sup>1</sup> .....    | 16,665  | 16,655  | 16,659  | 16,648  | 16,638  | 16,627  | 16,616  | 16,606  | 16,595  | 16,584  | 16,575  | 16,572  | 16,541  |
| Civilian noninstitutional population <sup>1</sup> ..... | 16,377  | 16,367  | 16,370  | 16,360  | 16,326  | 16,317  | 16,305  | 16,302  | 16,291  | 16,281  | 16,271  | 16,268  | 16,235  |
| Civilian labor force .....                              | 9,227   | 9,520   | 9,473   | 9,498   | 9,559   | 9,497   | 9,365   | 9,346   | 9,168   | 9,429   | 9,197   | 9,334   | 8,962   |
| Percent of civilian population .....                    | 56.3    | 58.2    | 57.9    | 58.1    | 58.6    | 58.2    | 57.4    | 57.3    | 56.3    | 57.9    | 56.5    | 57.4    | 55.2    |
| Employed .....  | 7,693   | 7,976   | 7,919   | 7,986   | 8,032   | 7,952   | 7,818   | 7,859   | 7,683   | 7,616   | 7,497   | 7,560   | 7,253   |
| Percent of total population .....                       | 46.2    | 47.9    | 47.5    | 48.0    | 48.3    | 47.8    | 47.1    | 47.3    | 46.3    | 45.9    | 45.2    | 45.6    | 43.8    |
| Agriculture .....                                       | 340     | 359     | 351     | 335     | 350     | 344     | 325     | 381     | 370     | 379     | 380     | 401     | 346     |
| Nonagricultural industries .....                        | 7,353   | 7,617   | 7,568   | 7,651   | 7,682   | 7,608   | 7,493   | 7,478   | 7,313   | 7,237   | 7,117   | 7,159   | 6,907   |
| Unemployed .....  | 1,534   | 1,544   | 1,554   | 1,512   | 1,527   | 1,545   | 1,547   | 1,487   | 1,485   | 1,813   | 1,700   | 1,774   | 1,709   |
| Unemployment rate .....                                 | 16.6    | 16.2    | 16.4    | 15.9    | 16.0    | 16.3    | 16.5    | 15.9    | 16.2    | 19.2    | 18.5    | 19.0    | 19.1    |
| Not in labor force .....                                | 7,150   | 6,847   | 6,897   | 6,862   | 6,767   | 6,820   | 6,940   | 6,956   | 7,123   | 6,852   | 7,074   | 6,934   | 7,273   |

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Full- and part-time status of the civilian labor force, seasonally adjusted**

(Numbers in thousands)

| Full- and part-time employment status | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                       | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   |
| <b>FULL TIME</b>                      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total, 16 years and over:             |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force                  | 87,685 | 88,134 | 88,394 | 88,469 | 88,576 | 88,627 | 88,747 | 88,604 | 89,121 | 89,852 | 89,152 | 89,438 | 89,291 |
| Employed                              | 82,958 | 83,419 | 83,598 | 83,699 | 83,785 | 83,581 | 83,805 | 83,436 | 83,246 | 83,112 | 82,532 | 82,658 | 82,691 |
| Unemployed                            | 4,727  | 4,715  | 4,796  | 4,770  | 4,791  | 5,046  | 4,942  | 5,168  | 5,875  | 6,740  | 6,621  | 6,781  | 6,600  |
| Unemployment rate                     | 5.4    | 5.3    | 5.4    | 5.4    | 5.4    | 5.7    | 5.6    | 5.8    | 6.6    | 7.5    | 7.4    | 7.6    | 7.4    |
| <b>PART TIME</b>                      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total, 16 years and over:             |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force                  | 15,535 | 15,275 | 15,165 | 15,158 | 15,411 | 15,666 | 15,551 | 15,398 | 15,290 | 15,266 | 15,511 | 15,911 | 15,720 |
| Employed                              | 14,163 | 13,987 | 13,822 | 13,906 | 14,102 | 14,302 | 14,168 | 14,123 | 13,927 | 13,849 | 14,144 | 14,528 | 14,373 |
| Unemployed                            | 1,372  | 1,288  | 1,343  | 1,252  | 1,309  | 1,364  | 1,383  | 1,275  | 1,363  | 1,417  | 1,367  | 1,384  | 1,347  |
| Unemployment rate                     | 8.8    | 8.4    | 8.9    | 8.3    | 8.5    | 8.7    | 8.9    | 8.3    | 8.9    | 9.3    | 8.8    | 8.7    | 8.6    |

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**A-35. Employment status by race, sex, and age, seasonally adjusted**

(Numbers in thousands)

| Characteristics             | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                             | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   |
| <b>WHITE</b>                |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total, 16 years and over:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 90,759 | 91,082 | 91,147 | 91,242 | 91,579 | 91,852 | 91,977 | 91,821 | 92,083 | 92,535 | 92,096 | 92,456 | 92,294 |
| Employed                    | 85,976 | 86,425 | 86,454 | 86,571 | 86,894 | 86,895 | 87,081 | 86,822 | 86,385 | 86,148 | 85,792 | 86,063 | 85,981 |
| Unemployed                  | 4,783  | 4,657  | 4,693  | 4,671  | 4,685  | 4,957  | 4,896  | 4,999  | 5,698  | 6,386  | 6,303  | 6,392  | 6,313  |
| Unemployment rate           | 5.3    | 5.1    | 5.1    | 5.1    | 5.1    | 5.4    | 5.3    | 5.4    | 6.2    | 6.9    | 6.8    | 6.9    | 6.8    |
| Males, 20 years and over:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 48,646 | 48,727 | 48,752 | 48,754 | 48,811 | 48,964 | 49,170 | 49,093 | 49,201 | 49,525 | 49,323 | 49,388 | 49,373 |
| Employed                    | 46,833 | 46,920 | 46,948 | 46,939 | 47,025 | 46,950 | 47,205 | 46,922 | 46,610 | 46,597 | 46,366 | 46,420 | 46,453 |
| Unemployed                  | 1,813  | 1,807  | 1,804  | 1,815  | 1,786  | 2,014  | 1,964  | 2,171  | 2,591  | 2,928  | 2,957  | 2,967  | 2,920  |
| Unemployment rate           | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 4.1    | 4.0    | 4.4    | 5.3    | 5.9    | 6.0    | 6.0    | 5.9    |
| Females, 20 years and over: |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 33,879 | 33,858 | 33,946 | 33,979 | 34,205 | 34,411 | 34,444 | 34,381 | 34,668 | 34,650 | 34,589 | 34,785 | 34,916 |
| Employed                    | 32,126 | 32,223 | 32,249 | 32,310 | 32,492 | 32,654 | 32,668 | 32,704 | 32,757 | 32,649 | 32,589 | 32,743 | 32,883 |
| Unemployed                  | 1,753  | 1,635  | 1,697  | 1,669  | 1,713  | 1,757  | 1,776  | 1,677  | 1,911  | 2,001  | 2,000  | 2,042  | 2,032  |
| Unemployment rate           | 5.2    | 4.8    | 5.0    | 4.9    | 5.0    | 5.1    | 5.2    | 4.9    | 5.5    | 5.8    | 5.8    | 5.9    | 5.8    |
| Both sexes, 16 to 19 years: |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 8,234  | 8,497  | 8,449  | 8,509  | 8,563  | 8,477  | 8,363  | 8,347  | 8,214  | 8,359  | 8,183  | 8,283  | 8,006  |
| Employed                    | 7,017  | 7,282  | 7,257  | 7,322  | 7,377  | 7,291  | 7,207  | 7,196  | 7,018  | 6,902  | 6,837  | 6,900  | 6,645  |
| Unemployed                  | 1,217  | 1,215  | 1,192  | 1,187  | 1,186  | 1,186  | 1,156  | 1,151  | 1,196  | 1,457  | 1,346  | 1,383  | 1,361  |
| Unemployment rate           | 14.8   | 14.3   | 14.1   | 13.9   | 13.9   | 14.0   | 13.8   | 13.8   | 14.6   | 17.4   | 16.4   | 16.7   | 17.0   |
| <b>BLACK AND OTHER</b>      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total, 16 years and over:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 12,343 | 12,404 | 12,512 | 12,391 | 12,432 | 12,453 | 12,362 | 12,266 | 12,319 | 12,559 | 12,446 | 12,739 | 12,650 |
| Employed                    | 10,982 | 11,063 | 11,076 | 11,044 | 11,024 | 10,979 | 10,937 | 10,823 | 10,771 | 10,813 | 10,751 | 10,932 | 10,930 |
| Unemployed                  | 1,361  | 1,341  | 1,436  | 1,347  | 1,408  | 1,474  | 1,424  | 1,443  | 1,549  | 1,746  | 1,695  | 1,807  | 1,719  |
| Unemployment rate           | 11.0   | 10.8   | 11.5   | 10.9   | 11.3   | 11.8   | 11.5   | 11.8   | 12.6   | 13.9   | 13.6   | 14.2   | 13.6   |
| Males, 20 years and over:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 5,956  | 5,989  | 6,003  | 5,927  | 5,954  | 5,925  | 5,914  | 5,883  | 5,897  | 5,922  | 5,945  | 6,049  | 6,084  |
| Employed                    | 5,471  | 5,510  | 5,486  | 5,429  | 5,439  | 5,358  | 5,368  | 5,334  | 5,254  | 5,211  | 5,195  | 5,278  | 5,311  |
| Unemployed                  | 485    | 479    | 517    | 498    | 515    | 567    | 546    | 548    | 643    | 711    | 750    | 771    | 773    |
| Unemployment rate           | 8.1    | 8.0    | 8.6    | 8.4    | 8.6    | 9.6    | 9.2    | 9.3    | 10.9   | 12.0   | 12.6   | 12.7   | 12.7   |
| Females, 20 years and over: |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 5,395  | 5,388  | 5,476  | 5,455  | 5,467  | 5,493  | 5,414  | 5,394  | 5,477  | 5,577  | 5,508  | 5,633  | 5,636  |
| Employed                    | 4,842  | 4,858  | 4,920  | 4,937  | 4,921  | 4,944  | 4,928  | 4,826  | 4,852  | 4,915  | 4,905  | 4,984  | 5,037  |
| Unemployed                  | 553    | 530    | 556    | 518    | 546    | 549    | 486    | 568    | 624    | 661    | 603    | 649    | 598    |
| Unemployment rate           | 10.3   | 9.8    | 10.2   | 9.5    | 10.0   | 10.0   | 9.0    | 10.5   | 11.4   | 11.9   | 10.9   | 11.5   | 10.6   |
| Both sexes, 16 to 19 years: |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force        | 992    | 1,027  | 1,033  | 1,009  | 1,011  | 1,035  | 1,034  | 990    | 946    | 1,060  | 993    | 1,057  | 930    |
| Employed                    | 669    | 695    | 670    | 678    | 664    | 677    | 642    | 663    | 664    | 687    | 651    | 670    | 582    |
| Unemployed                  | 323    | 332    | 363    | 331    | 347    | 358    | 392    | 327    | 282    | 373    | 342    | 387    | 348    |
| Unemployment rate           | 32.6   | 32.3   | 35.1   | 32.8   | 34.3   | 34.6   | 37.9   | 33.0   | 29.8   | 35.2   | 34.4   | 36.6   | 37.4   |

# HOUSEHOLD DATA SEASONALLY ADJUSTED

## A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

| Selected categories  | 1979 |       |      |      |      | 1980 |      |      |      |      |      |      |      |
|--|------|-------|------|------|------|------|------|------|------|------|------|------|------|
|  | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. |
| <b>CHARACTERISTICS</b>                                       |      |       |      |      |      |      |      |      |      |      |      |      |      |
| Total (all civilian workers)                                 | 5.9  | 5.8   | 5.9  | 5.8  | 5.9  | 6.2  | 6.0  | 6.2  | 7.0  | 7.8  | 7.7  | 7.8  | 7.6  |
| Males, 20 years and over                                     | 4.2  | 4.2   | 4.2  | 4.3  | 4.2  | 4.7  | 4.6  | 4.9  | 5.9  | 6.6  | 6.7  | 6.7  | 6.6  |
| Females, 20 years and over                                   | 5.9  | 5.5   | 5.7  | 5.6  | 5.7  | 5.8  | 5.7  | 5.7  | 6.3  | 6.6  | 6.5  | 6.7  | 6.5  |
| Both sexes, 16-19 years                                      | 16.6 | 16.2  | 16.4 | 15.9 | 16.0 | 16.3 | 16.5 | 15.9 | 16.2 | 19.2 | 18.5 | 19.0 | 19.1 |
| White  | 5.3  | 5.1   | 5.1  | 5.1  | 5.1  | 5.4  | 5.3  | 5.4  | 6.2  | 6.9  | 6.8  | 6.9  | 6.8  |
| Black and other  | 11.0 | 10.8  | 11.5 | 10.9 | 11.3 | 11.8 | 11.5 | 11.8 | 12.6 | 13.9 | 13.6 | 14.2 | 13.6 |
| Married men, spouse present                                  | 2.9  | 2.9   | 2.9  | 2.9  | 2.8  | 3.4  | 3.1  | 3.4  | 4.1  | 4.7  | 4.9  | 5.1  | 4.9  |
| Married women, spouse present                                | 5.3  | 4.8   | 5.2  | 4.8  | 5.0  | 5.2  | 5.4  | 5.3  | 5.7  | 6.3  | 6.1  | 6.2  | 6.1  |
| Women who head families                                      | 7.9  | 7.7   | 8.4  | 8.4  | 8.4  | 9.2  | 8.5  | 8.7  | 9.3  | 8.3  | 8.4  | 8.9  | 8.9  |
| Full-time workers  | 5.4  | 5.3   | 5.4  | 5.4  | 5.4  | 5.7  | 5.6  | 5.8  | 6.6  | 7.5  | 7.4  | 7.6  | 7.4  |
| Part-time workers  | 8.8  | 8.4   | 8.9  | 8.3  | 8.5  | 8.7  | 8.9  | 8.3  | 8.9  | 9.3  | 8.8  | 8.7  | 8.6  |
| Unemployed 15 weeks and over <sup>1</sup>                    | 1.1  | 1.1   | 1.2  | 1.1  | 1.2  | 1.3  | 1.2  | 1.3  | 1.6  | 1.6  | 1.7  | 1.8  | 2.1  |
| Labor force time lost <sup>2</sup>                           | 6.4  | 6.2   | 6.4  | 6.4  | 6.4  | 6.7  | 6.6  | 6.8  | 7.5  | 8.6  | 8.3  | 8.5  | 8.3  |
| <b>OCCUPATION</b>  |      |       |      |      |      |      |      |      |      |      |      |      |      |
| White-collar workers   | 3.5  | 3.3   | 3.4  | 3.2  | 3.3  | 3.4  | 3.4  | 3.3  | 3.7  | 3.9  | 3.7  | 3.7  | 3.7  |
| Professional and technical                                   | 2.5  | 2.4   | 2.7  | 2.4  | 2.3  | 2.2  | 2.3  | 2.3  | 2.4  | 2.7  | 2.6  | 2.4  | 2.3  |
| Managers and administrators, except farm                     | 2.3  | 2.2   | 2.2  | 1.9  | 2.0  | 1.9  | 2.2  | 2.4  | 2.6  | 2.7  | 2.4  | 2.5  | 2.4  |
| Sales workers  | 4.0  | 3.8   | 3.8  | 3.7  | 3.8  | 4.4  | 4.5  | 4.0  | 4.7  | 4.5  | 4.4  | 4.2  | 4.1  |
| Clerical workers   | 4.9  | 4.5   | 4.7  | 4.4  | 4.6  | 4.8  | 4.7  | 4.5  | 5.1  | 5.4  | 5.3  | 5.4  | 5.4  |
| Blue-collar workers  | 7.3  | 7.1   | 7.2  | 7.5  | 7.2  | 8.0  | 7.7  | 8.0  | 9.7  | 11.3 | 11.5 | 11.5 | 11.4 |
| Craft and kindred workers                                    | 4.7  | 4.3   | 4.6  | 4.9  | 4.4  | 4.9  | 4.8  | 5.4  | 6.7  | 8.1  | 8.0  | 7.4  | 8.1  |
| Operatives, except transport                                 | 8.9  | 9.0   | 9.1  | 9.0  | 9.0  | 9.9  | 9.2  | 9.3  | 11.6 | 14.0 | 13.8 | 14.6 | 13.6 |
| Transport equipment operatives                               | 6.2  | 6.1   | 5.6  | 5.2  | 5.0  | 6.9  | 6.7  | 6.6  | 8.9  | 9.0  | 10.5 | 10.5 | 10.0 |
| Nonfarm laborers   | 11.3 | 11.0  | 10.7 | 12.2 | 12.2 | 12.3 | 12.0 | 13.0 | 14.1 | 15.4 | 16.2 | 16.1 | 16.5 |
| Service workers  | 7.1  | 6.7   | 6.8  | 6.6  | 6.6  | 6.9  | 6.9  | 7.1  | 8.0  | 8.5  | 8.1  | 8.4  | 8.6  |
| Farm workers   | 3.9  | 4.1   | 4.3  | 4.5  | 4.3  | 4.4  | 3.9  | 4.0  | 5.0  | 4.8  | 4.2  | 4.8  | 5.6  |
| <b>INDUSTRY</b>  |      |       |      |      |      |      |      |      |      |      |      |      |      |
| Nonagricultural private wage and salary workers <sup>3</sup> | 6.0  | 5.8   | 5.9  | 5.8  | 5.8  | 6.2  | 6.0  | 6.2  | 7.1  | 8.2  | 8.3  | 8.2  | 8.0  |
| Construction   | 10.1 | 9.6   | 9.8  | 10.2 | 10.3 | 10.8 | 10.5 | 13.0 | 15.1 | 17.5 | 16.5 | 16.1 | 18.3 |
| Manufacturing  | 5.9  | 6.0   | 6.0  | 5.9  | 5.9  | 6.7  | 6.4  | 6.5  | 7.9  | 9.9  | 9.9  | 10.3 | 9.3  |
| Durable goods  | 5.4  | 5.3   | 5.5  | 5.6  | 5.5  | 6.7  | 6.3  | 6.4  | 8.3  | 10.5 | 11.2 | 11.2 | 10.2 |
| Nondurable goods   | 6.8  | 7.1   | 6.8  | 6.3  | 6.4  | 6.8  | 6.7  | 6.7  | 7.4  | 8.8  | 8.0  | 8.8  | 7.9  |
| Transportation   | 3.7  | 4.0   | 3.8  | 4.2  | 4.1  | 4.4  | 4.4  | 3.8  | 4.6  | 5.1  | 5.2  | 5.8  | 5.7  |
| Wholesale and retail trade                                   | 6.5  | 6.4   | 6.4  | 6.5  | 6.4  | 6.6  | 6.4  | 6.3  | 7.0  | 7.6  | 8.0  | 7.5  | 7.6  |
| Finance and service industries                               | 5.2  | 4.7   | 4.9  | 4.6  | 4.7  | 4.6  | 4.6  | 4.9  | 5.1  | 5.7  | 5.7  | 5.7  | 5.6  |
| Government workers   | 3.7  | 3.3   | 4.0  | 3.6  | 3.6  | 3.8  | 4.0  | 4.2  | 4.4  | 4.2  | 3.5  | 4.1  | 4.0  |
| Agricultural wage and salary workers                         | 9.9  | 10.0  | 9.9  | 10.1 | 9.4  | 10.3 | 9.2  | 10.2 | 11.9 | 11.7 | 9.7  | 10.8 | 13.8 |

<sup>1</sup> Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part-time for economic reasons

<sup>3</sup> Includes mining, not shown separately.

## A-37. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

| Weeks of unemployment             | 1979  |       |       |       |       | 1980  |       |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                   | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  |
| <b>DURATION</b>                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Both sexes, 16 years and over:    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Less than 5 weeks                 | 3,168 | 2,778 | 2,955 | 2,919 | 2,916 | 3,184 | 2,995 | 2,995 | 3,309 | 3,872 | 3,333 | 3,363 | 3,268 |
| 5 to 14 weeks                     | 1,738 | 2,035 | 1,963 | 1,869 | 1,966 | 1,907 | 2,081 | 2,169 | 2,391 | 2,697 | 2,922 | 2,700 | 2,490 |
| 15 weeks and over                 | 1,185 | 1,152 | 1,195 | 1,191 | 1,230 | 1,334 | 1,286 | 1,363 | 1,629 | 1,722 | 1,766 | 1,915 | 2,184 |
| 15 to 26 weeks                    | 658   | 644   | 678   | 660   | 711   | 795   | 790   | 776   | 953   | 1,014 | 1,027 | 1,057 | 1,259 |
| 27 weeks and over                 | 527   | 508   | 517   | 531   | 519   | 539   | 496   | 587   | 676   | 709   | 739   | 858   | 925   |
| Average (mean) duration, in weeks | 10.7  | 10.7  | 10.5  | 10.6  | 10.5  | 10.5  | 10.7  | 11.0  | 11.3  | 10.5  | 11.7  | 11.6  | 12.6  |
| Median duration, in weeks         | 4.9   | 5.8   | 5.5   | 5.3   | 5.5   | 5.2   | 5.8   | 5.9   | 5.7   | 5.7   | 6.4   | 7.1   | 7.5   |
| <b>PERCENT DISTRIBUTION</b>       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Total unemployed                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Less than 5 weeks                 | 52.0  | 46.6  | 48.3  | 48.8  | 47.7  | 49.6  | 47.1  | 45.9  | 45.1  | 46.7  | 41.6  | 42.2  | 41.2  |
| 5 to 14 weeks                     | 28.5  | 34.1  | 32.1  | 31.3  | 32.2  | 29.7  | 32.7  | 33.2  | 32.6  | 32.5  | 36.4  | 33.8  | 31.3  |
| 15 weeks and over                 | 19.5  | 19.3  | 19.5  | 19.9  | 20.1  | 20.8  | 20.2  | 20.9  | 22.2  | 20.8  | 22.0  | 24.0  | 27.5  |
| 15 to 26 weeks                    | 10.8  | 10.8  | 11.1  | 11.0  | 11.6  | 12.4  | 12.4  | 11.9  | 13.0  | 12.2  | 12.8  | 13.2  | 15.9  |
| 27 weeks and over                 | 8.7   | 8.5   | 8.5   | 8.9   | 8.5   | 8.4   | 7.8   | 9.0   | 9.2   | 8.5   | 9.2   | 10.8  | 11.6  |

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-38. Rates of unemployment by sex and age, seasonally adjusted**

| Sex and age                             | 1979 |       |      |      |      | 1980 |      |      |      |      |      |      |      |
|---|------|-------|------|------|------|------|------|------|------|------|------|------|------|
|   | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. |
| <b>Total, 16 years and over</b> .....   | 5.9  | 5.8   | 5.9  | 5.8  | 5.9  | 6.2  | 6.0  | 6.2  | 7.0  | 7.8  | 7.7  | 7.8  | 7.6  |
| 16 to 19 years .....                    | 16.6 | 16.2  | 16.4 | 15.9 | 16.0 | 16.3 | 16.5 | 15.9 | 16.2 | 19.2 | 18.5 | 19.0 | 19.1 |
| 16 to 17 years .....                    | 18.5 | 16.9  | 18.4 | 17.3 | 18.0 | 19.0 | 18.7 | 17.4 | 18.7 | 21.7 | 19.8 | 20.9 | 22.8 |
| 18 to 19 years .....                    | 15.4 | 15.6  | 15.0 | 14.7 | 14.5 | 14.0 | 15.1 | 14.7 | 14.4 | 17.7 | 18.0 | 17.7 | 16.6 |
| 20 to 24 years .....                    | 9.3  | 9.2   | 9.6  | 8.8  | 9.8  | 10.1 | 9.5  | 9.7  | 11.4 | 12.7 | 12.4 | 12.3 | 11.9 |
| 25 years and over .....                 | 4.0  | 3.9   | 4.0  | 4.0  | 3.8  | 4.2  | 4.1  | 4.4  | 5.0  | 5.5  | 5.5  | 5.7  | 5.5  |
| 25 to 54 years .....                    | 4.2  | 4.1   | 4.2  | 4.3  | 4.1  | 4.4  | 4.5  | 4.7  | 5.4  | 5.9  | 6.0  | 6.1  | 5.9  |
| 55 years and over .....                 | 3.1  | 2.9   | 3.0  | 2.7  | 2.7  | 3.5  | 2.8  | 2.8  | 3.4  | 3.6  | 3.4  | 3.5  | 3.6  |
| <b>Males, 16 years and over</b> .....   | 5.2  | 5.2   | 5.2  | 5.2  | 5.2  | 5.7  | 5.5  | 5.7  | 6.7  | 7.7  | 7.8  | 7.8  | 7.7  |
| 16 to 19 years .....                    | 16.3 | 16.1  | 15.7 | 15.8 | 15.6 | 16.2 | 15.6 | 14.8 | 16.1 | 19.7 | 19.5 | 19.7 | 20.2 |
| 16 to 17 years .....                    | 18.0 | 16.7  | 17.1 | 17.8 | 17.9 | 19.0 | 18.0 | 15.9 | 18.3 | 22.0 | 21.8 | 20.8 | 24.6 |
| 18 to 19 years .....                    | 15.1 | 15.3  | 14.4 | 14.0 | 13.6 | 13.9 | 14.1 | 14.0 | 14.2 | 17.9 | 19.3 | 18.7 | 17.0 |
| 20 to 24 years .....                    | 8.8  | 8.8   | 9.5  | 8.4  | 9.4  | 10.4 | 9.9  | 10.4 | 12.3 | 13.7 | 13.8 | 13.4 | 13.9 |
| 25 years and over .....                 | 3.4  | 3.3   | 3.4  | 3.5  | 3.2  | 3.7  | 3.6  | 3.9  | 4.7  | 5.3  | 5.5  | 5.6  | 5.4  |
| 25 to 54 years .....                    | 3.5  | 3.6   | 3.5  | 3.8  | 3.4  | 3.3  | 3.8  | 4.2  | 5.0  | 5.7  | 5.8  | 6.1  | 5.7  |
| 55 years and over .....                 | 3.1  | 2.8   | 2.8  | 2.6  | 2.6  | 3.5  | 2.6  | 2.7  | 3.4  | 3.5  | 3.8  | 3.9  | 4.0  |
| <b>Females, 16 years and over</b> ..... | 7.0  | 6.6   | 6.9  | 6.6  | 6.8  | 6.8  | 6.8  | 6.8  | 7.3  | 7.8  | 7.5  | 7.8  | 7.6  |
| 16 to 19 years .....                    | 17.0 | 16.4  | 17.2 | 16.1 | 16.4 | 16.3 | 17.6 | 17.3 | 16.3 | 18.7 | 17.3 | 18.2 | 17.8 |
| 16 to 17 years .....                    | 19.0 | 17.2  | 19.8 | 16.7 | 18.0 | 19.1 | 19.5 | 19.2 | 19.1 | 21.4 | 17.6 | 20.9 | 20.7 |
| 18 to 19 years .....                    | 15.7 | 15.9  | 15.6 | 15.5 | 15.5 | 14.2 | 16.2 | 15.6 | 14.6 | 17.5 | 16.6 | 16.6 | 16.1 |
| 20 to 24 years .....                    | 9.8  | 9.6   | 9.7  | 9.3  | 10.2 | 9.8  | 9.1  | 9.0  | 10.2 | 11.6 | 10.8 | 11.1 | 9.7  |
| 25 years and over .....                 | 4.9  | 4.6   | 4.9  | 4.7  | 4.7  | 4.9  | 4.9  | 5.0  | 5.5  | 5.7  | 5.6  | 5.7  | 5.7  |
| 25 to 54 years .....                    | 5.3  | 5.0   | 5.2  | 5.0  | 5.1  | 5.2  | 5.4  | 5.5  | 6.0  | 6.1  | 6.1  | 6.2  | 6.2  |
| 55 years and over .....                 | 3.2  | 2.9   | 3.4  | 2.9  | 2.9  | 3.4  | 3.0  | 2.9  | 3.4  | 3.6  | 2.8  | 3.0  | 3.0  |

**A-39. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

| Reason for unemployment                                    | 1979  |       |       |       |       | 1980  |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  |
| <b>NUMBER OF UNEMPLOYED</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>Both sexes, 16 years and over:</b>                      |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 2,680 | 2,632 | 2,731 | 2,729 | 2,728 | 2,988 | 2,907 | 3,047 | 3,611 | 4,301 | 4,625 | 4,558 | 4,360 |
| On layoff .....  | 915   | 855   | 929   | 987   | 944   | 1,019 | 1,031 | 1,129 | 1,424 | 1,944 | 2,117 | 1,975 | 1,692 |
| Other job losers .....                                     | 1,765 | 1,777 | 1,802 | 1,742 | 1,784 | 1,969 | 1,876 | 1,918 | 2,188 | 2,357 | 2,508 | 2,583 | 2,668 |
| Job leavers .....  | 875   | 825   | 835   | 845   | 800   | 779   | 813   | 788   | 926   | 992   | 898   | 857   | 897   |
| Reentrants .....   | 1,788 | 1,760 | 1,762 | 1,698 | 1,771 | 1,797 | 1,784 | 1,803 | 1,967 | 2,015 | 1,822 | 1,868 | 1,895 |
| New entrants .....   | 745   | 801   | 804   | 736   | 858   | 811   | 827   | 805   | 743   | 884   | 863   | 930   | 867   |
| <b>PERCENT DISTRIBUTION</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| <b>Total unemployed</b> .....                              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Job losers .....   | 44.0  | 43.7  | 44.5  | 45.4  | 44.3  | 46.9  | 45.9  | 47.3  | 49.8  | 52.5  | 56.3  | 55.5  | 54.4  |
| On layoff .....  | 15.0  | 14.2  | 15.2  | 16.4  | 15.3  | 16.0  | 16.3  | 17.5  | 19.6  | 23.7  | 25.8  | 24.0  | 21.1  |
| Other job losers .....                                     | 29.0  | 29.5  | 29.4  | 29.0  | 29.0  | 30.9  | 29.6  | 29.8  | 30.2  | 28.8  | 30.6  | 31.5  | 33.3  |
| Job leavers .....  | 14.4  | 13.7  | 13.6  | 14.1  | 13.0  | 12.2  | 12.8  | 12.2  | 12.8  | 12.1  | 10.9  | 10.4  | 11.2  |
| Reentrants .....   | 29.4  | 29.2  | 26.7  | 28.3  | 28.8  | 28.2  | 28.2  | 28.0  | 27.1  | 24.6  | 22.2  | 22.7  | 23.6  |
| New entrants .....   | 12.2  | 13.3  | 13.1  | 12.3  | 13.9  | 12.7  | 13.1  | 12.5  | 10.3  | 10.8  | 10.5  | 11.3  | 10.8  |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 2.6   | 2.5   | 2.6   | 2.6   | 2.6   | 2.9   | 2.8   | 2.9   | 3.5   | 4.1   | 4.4   | 4.3   | 4.2   |
| Job leavers .....  | .8    | .8    | .8    | .8    | .8    | .7    | .8    | .8    | .9    | .9    | .9    | .8    | .9    |
| Reentrants .....   | 1.7   | 1.7   | 1.7   | 1.6   | 1.7   | 1.7   | 1.7   | 1.7   | 1.9   | 1.9   | 1.7   | 1.8   | 1.8   |
| New entrants .....   | .7    | .8    | .8    | .7    | .8    | .8    | .8    | .8    | .7    | .8    | .8    | .9    | .8    |

# HOUSEHOLD DATA SEASONALLY ADJUSTED

## A-40. Employed persons by sex and age, seasonally adjusted

(In thousands)

| Sex and age                             | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   |
| <b>Total, 16 years and over</b> .....   | 97,004 | 97,504 | 97,474 | 97,608 | 97,912 | 97,804 | 97,953 | 97,656 | 97,154 | 96,988 | 96,537 | 96,996 | 97,006 |
| 16 to 19 years .....                    | 7,693  | 7,976  | 7,919  | 7,966  | 8,032  | 7,952  | 7,818  | 7,859  | 7,683  | 7,616  | 7,497  | 7,560  | 7,253  |
| 16 to 17 years .....                    | 3,048  | 3,335  | 3,251  | 3,315  | 3,320  | 3,247  | 3,120  | 3,185  | 3,039  | 3,033  | 3,038  | 3,068  | 2,771  |
| 18 to 19 years .....                    | 4,623  | 4,665  | 4,674  | 4,694  | 4,717  | 4,726  | 4,722  | 4,660  | 4,640  | 4,566  | 4,440  | 4,500  | 4,460  |
| 20 to 24 years .....                    | 13,849 | 13,949 | 13,875 | 13,920 | 13,837 | 13,819 | 13,846 | 13,749 | 13,624 | 13,575 | 13,376 | 13,527 | 13,540 |
| 25 years and over .....                 | 75,436 | 75,616 | 75,728 | 75,650 | 76,030 | 76,080 | 76,295 | 76,012 | 75,807 | 75,810 | 75,733 | 75,948 | 76,193 |
| 25 to 54 years .....                    | 61,082 | 61,208 | 61,302 | 61,281 | 61,686 | 61,799 | 61,815 | 61,719 | 61,564 | 61,416 | 61,443 | 61,572 | 61,768 |
| 55 years and over .....                 | 14,399 | 14,381 | 14,417 | 14,368 | 14,350 | 14,292 | 14,468 | 14,326 | 14,298 | 14,325 | 14,277 | 14,351 | 14,469 |
| <b>Males, 16 years and over</b> .....   | 56,408 | 56,714 | 56,629 | 56,580 | 56,734 | 56,486 | 56,732 | 56,601 | 55,998 | 55,823 | 55,457 | 55,629 | 55,551 |
| 16 to 19 years .....                    | 4,097  | 4,261  | 4,186  | 4,206  | 4,256  | 4,207  | 4,201  | 4,301  | 4,130  | 4,027  | 3,947  | 3,962  | 3,758  |
| 16 to 17 years .....                    | 1,632  | 1,839  | 1,758  | 1,755  | 1,783  | 1,745  | 1,719  | 1,804  | 1,661  | 1,634  | 1,608  | 1,644  | 1,459  |
| 18 to 19 years .....                    | 2,445  | 2,452  | 2,430  | 2,462  | 2,477  | 2,478  | 2,494  | 2,488  | 2,471  | 2,395  | 2,315  | 2,330  | 2,292  |
| 20 to 24 years .....                    | 7,498  | 7,590  | 7,531  | 7,533  | 7,498  | 7,441  | 7,477  | 7,453  | 7,294  | 7,309  | 7,106  | 7,155  | 7,128  |
| 25 years and over .....                 | 44,818 | 44,912 | 44,924 | 44,796 | 44,966 | 44,883 | 45,070 | 44,833 | 44,557 | 44,535 | 44,422 | 44,531 | 44,667 |
| 25 to 54 years .....                    | 35,962 | 36,052 | 36,100 | 36,020 | 36,206 | 36,161 | 36,136 | 36,036 | 35,818 | 35,747 | 35,707 | 35,787 | 35,873 |
| 55 years and over .....                 | 8,831  | 8,844  | 8,793  | 8,782  | 8,759  | 8,723  | 8,904  | 8,842  | 8,764  | 8,784  | 8,728  | 8,734  | 8,782  |
| <b>Females, 16 years and over</b> ..... | 40,596 | 40,790 | 40,845 | 41,028 | 41,178 | 41,318 | 41,221 | 41,054 | 41,156 | 41,165 | 41,079 | 41,367 | 41,455 |
| 16 to 19 years .....                    | 3,596  | 3,715  | 3,733  | 3,780  | 3,776  | 3,744  | 3,617  | 3,558  | 3,554  | 3,589  | 3,549  | 3,598  | 3,495  |
| 16 to 17 years .....                    | 1,416  | 1,496  | 1,493  | 1,560  | 1,537  | 1,502  | 1,401  | 1,381  | 1,378  | 1,399  | 1,430  | 1,424  | 1,312  |
| 18 to 19 years .....                    | 2,178  | 2,213  | 2,244  | 2,232  | 2,240  | 2,248  | 2,228  | 2,172  | 2,169  | 2,171  | 2,125  | 2,170  | 2,168  |
| 20 to 24 years .....                    | 6,351  | 6,359  | 6,344  | 6,387  | 6,339  | 6,377  | 6,369  | 6,296  | 6,331  | 6,266  | 6,270  | 6,372  | 6,413  |
| 25 years and over .....                 | 30,618 | 30,704 | 30,804 | 30,854 | 31,064 | 31,197 | 31,225 | 31,178 | 31,250 | 31,275 | 31,311 | 31,417 | 31,525 |
| 25 to 54 years .....                    | 25,120 | 25,156 | 25,202 | 25,261 | 25,480 | 25,638 | 25,679 | 25,683 | 25,746 | 25,669 | 25,735 | 25,784 | 25,895 |
| 55 years and over .....                 | 5,568  | 5,537  | 5,624  | 5,586  | 5,591  | 5,569  | 5,560  | 5,484  | 5,533  | 5,541  | 5,549  | 5,617  | 5,687  |

## A-41. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

| Sex and age                             | 1979  |       |       |       |       | 1980  |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  |
| <b>Total, 16 years and over</b> .....   | 6,124 | 5,990 | 6,121 | 6,044 | 6,087 | 6,425 | 6,307 | 6,438 | 7,265 | 8,154 | 8,006 | 8,207 | 8,019 |
| 16 to 19 years .....                    | 1,534 | 1,544 | 1,554 | 1,512 | 1,527 | 1,545 | 1,547 | 1,487 | 1,485 | 1,813 | 1,700 | 1,774 | 1,709 |
| 16 to 17 years .....                    | 690   | 680   | 732   | 692   | 728   | 764   | 716   | 671   | 698   | 841   | 752   | 809   | 819   |
| 18 to 19 years .....                    | 841   | 860   | 825   | 811   | 802   | 772   | 841   | 806   | 780   | 983   | 976   | 967   | 887   |
| 20 to 24 years .....                    | 1,415 | 1,413 | 1,470 | 1,346 | 1,505 | 1,554 | 1,458 | 1,482 | 1,748 | 1,982 | 1,898 | 1,898 | 1,836 |
| 25 years and over .....                 | 3,155 | 3,036 | 3,140 | 3,168 | 3,040 | 3,326 | 3,300 | 3,463 | 4,029 | 4,374 | 4,423 | 4,552 | 4,462 |
| 25 to 54 years .....                    | 2,697 | 2,647 | 2,698 | 2,744 | 2,650 | 2,818 | 2,899 | 3,064 | 3,518 | 3,836 | 3,900 | 4,032 | 3,905 |
| 55 years and over .....                 | 467   | 422   | 449   | 403   | 400   | 512   | 412   | 410   | 503   | 529   | 508   | 528   | 542   |
| <b>Males, 16 years and over</b> .....   | 3,083 | 3,098 | 3,098 | 3,124 | 3,089 | 3,392 | 3,283 | 3,441 | 4,040 | 4,656 | 4,669 | 4,703 | 4,632 |
| 16 to 19 years .....                    | 797   | 816   | 781   | 789   | 786   | 815   | 776   | 745   | 794   | 985   | 959   | 973   | 950   |
| 16 to 17 years .....                    | 358   | 370   | 363   | 380   | 390   | 410   | 377   | 342   | 373   | 461   | 447   | 432   | 476   |
| 18 to 19 years .....                    | 436   | 442   | 410   | 402   | 391   | 399   | 411   | 405   | 409   | 521   | 553   | 535   | 470   |
| 20 to 24 years .....                    | 724   | 734   | 789   | 692   | 782   | 860   | 817   | 863   | 1,028 | 1,163 | 1,138 | 1,103 | 1,146 |
| 25 years and over .....                 | 1,575 | 1,552 | 1,565 | 1,642 | 1,505 | 1,719 | 1,680 | 1,826 | 2,214 | 2,500 | 2,573 | 2,641 | 2,550 |
| 25 to 54 years .....                    | 1,299 | 1,327 | 1,322 | 1,405 | 1,282 | 1,410 | 1,435 | 1,573 | 1,886 | 2,155 | 2,217 | 2,317 | 2,183 |
| 55 years and over .....                 | 283   | 254   | 254   | 237   | 231   | 314   | 242   | 246   | 311   | 322   | 347   | 354   | 365   |
| <b>Females, 16 years and over</b> ..... | 3,041 | 2,892 | 3,023 | 2,920 | 2,998 | 3,034 | 3,025 | 2,997 | 3,225 | 3,498 | 3,337 | 3,503 | 3,387 |
| 16 to 19 years .....                    | 737   | 728   | 773   | 723   | 741   | 730   | 771   | 742   | 691   | 828   | 741   | 801   | 759   |
| 16 to 17 years .....                    | 332   | 310   | 365   | 312   | 338   | 354   | 339   | 329   | 325   | 380   | 305   | 377   | 343   |
| 18 to 19 years .....                    | 405   | 418   | 415   | 409   | 411   | 373   | 430   | 401   | 371   | 462   | 423   | 432   | 417   |
| 20 to 24 years .....                    | 691   | 679   | 681   | 654   | 723   | 694   | 641   | 620   | 721   | 819   | 761   | 795   | 690   |
| 25 years and over .....                 | 1,560 | 1,484 | 1,575 | 1,526 | 1,535 | 1,607 | 1,621 | 1,637 | 1,815 | 1,874 | 1,850 | 1,911 | 1,912 |
| 25 to 54 years .....                    | 1,398 | 1,320 | 1,376 | 1,339 | 1,368 | 1,408 | 1,465 | 1,491 | 1,631 | 1,682 | 1,684 | 1,715 | 1,722 |
| 55 years and over .....                 | 184   | 168   | 195   | 166   | 169   | 198   | 170   | 165   | 192   | 207   | 164   | 174   | 178   |



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-42. Employed persons by selected social and economic categories, seasonally adjusted**

(In thousands)

| Selected categories   | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   |
| <b>CHARACTERISTICS</b>  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total, 16 years and over .....  | 97,004 | 97,504 | 97,474 | 97,608 | 97,912 | 97,304 | 97,953 | 97,656 | 97,154 | 96,988 | 96,537 | 96,996 | 97,006 |
| Married men, spouse present .....                                       | 39,180 | 39,198 | 39,124 | 38,845 | 38,924 | 38,749 | 38,955 | 38,745 | 38,342 | 38,147 | 38,193 | 37,999 | 37,910 |
| Married women, spouse present .....                                     | 22,869 | 22,937 | 22,919 | 22,940 | 23,027 | 23,111 | 23,178 | 23,202 | 23,080 | 23,155 | 23,144 | 23,097 | 23,162 |
| <b>OCCUPATION</b>   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| White-collar workers .....  | 49,663 | 49,816 | 49,738 | 49,912 | 49,911 | 50,313 | 50,448 | 50,302 | 50,405 | 50,606 | 50,861 | 51,114 | 51,413 |
| Professional and technical .....  | 15,068 | 15,141 | 15,057 | 15,131 | 15,272 | 15,337 | 15,444 | 15,397 | 15,542 | 15,551 | 15,712 | 15,741 | 15,761 |
| Managers and administrators,<br>except farm .....                       | 10,698 | 10,659 | 10,639 | 10,617 | 10,535 | 10,608 | 10,971 | 10,755 | 10,745 | 10,882 | 10,911 | 11,046 | 11,153 |
| Sales workers .....   | 6,145  | 6,181  | 6,261  | 6,362  | 6,346  | 6,452  | 6,185  | 6,113  | 5,988  | 6,022  | 5,981  | 6,128  | 6,124  |
| Clerical workers .....  | 17,752 | 17,835 | 17,781 | 17,802 | 17,758 | 17,915 | 17,848 | 18,037 | 18,129 | 18,152 | 18,256 | 18,199 | 18,375 |
| Blue-collar workers .....   | 31,849 | 32,209 | 32,205 | 32,110 | 32,302 | 31,882 | 31,754 | 31,670 | 31,127 | 30,681 | 30,243 | 30,149 | 29,983 |
| Craft and kindred workers .....   | 12,761 | 12,993 | 13,001 | 12,925 | 13,041 | 12,814 | 12,728 | 12,767 | 12,773 | 12,523 | 12,301 | 12,382 | 12,233 |
| Operatives, except transport<br>transport equipment<br>operatives ..... | 10,909 | 10,964 | 10,967 | 10,963 | 11,042 | 10,678 | 10,661 | 10,579 | 10,408 | 10,336 | 10,131 | 10,134 | 10,066 |
| Nonfarm laborers .....  | 3,604  | 3,617  | 3,593  | 3,628  | 3,635  | 3,616  | 3,571  | 3,558  | 3,483  | 3,421  | 3,395  | 3,335  | 3,474  |
| Farm workers .....  | 4,575  | 4,635  | 4,644  | 4,594  | 4,584  | 4,774  | 4,795  | 4,767  | 4,463  | 4,402  | 4,416  | 4,299  | 4,209  |
| Service workers .....   | 12,621 | 12,859 | 12,937 | 12,899 | 12,970 | 12,979 | 13,080 | 12,981 | 13,034 | 12,932 | 12,930 | 13,045 | 12,917 |
| Farm workers .....  | 2,707  | 2,722  | 2,695  | 2,718  | 2,694  | 2,660  | 2,764  | 2,733  | 2,658  | 2,745  | 2,606  | 2,689  | 2,601  |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>                               |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Agriculture:  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Wage and salary workers .....   | 1,384  | 1,399  | 1,381  | 1,475  | 1,451  | 1,428  | 1,417  | 1,449  | 1,370  | 1,405  | 1,365  | 1,352  | 1,263  |
| Self-employed workers .....   | 1,614  | 1,642  | 1,602  | 1,622  | 1,596  | 1,554  | 1,648  | 1,600  | 1,591  | 1,662  | 1,590  | 1,631  | 1,648  |
| Unpaid family workers .....   | 310    | 325    | 313    | 310    | 310    | 293    | 283    | 300    | 281    | 289    | 269    | 292    | 273    |
| Nonagricultural industries:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Wage and salary workers .....   | 86,421 | 86,912 | 86,982 | 87,020 | 87,384 | 87,578 | 87,419 | 87,221 | 86,741 | 86,631 | 86,257 | 86,407 | 86,508 |
| Government .....  | 15,279 | 15,407 | 15,423 | 15,358 | 15,397 | 15,414 | 15,540 | 15,622 | 15,668 | 15,799 | 15,891 | 15,760 | 15,495 |
| Private industries .....  | 71,142 | 71,505 | 71,559 | 71,662 | 71,987 | 72,163 | 71,879 | 71,599 | 71,072 | 70,832 | 70,365 | 70,647 | 71,014 |
| Private households .....  | 1,211  | 1,313  | 1,261  | 1,211  | 1,228  | 1,132  | 1,178  | 1,115  | 1,123  | 1,206  | 1,219  | 1,245  | 1,209  |
| Other industries .....  | 69,931 | 70,192 | 70,298 | 70,451 | 70,759 | 71,031 | 70,702 | 70,484 | 69,949 | 69,625 | 69,147 | 69,402 | 69,805 |
| Self-employed workers .....   | 6,689  | 6,731  | 6,812  | 6,781  | 6,737  | 6,752  | 6,899  | 6,825  | 6,813  | 6,648  | 6,666  | 6,765  | 6,879  |
| Unpaid family workers .....   | 450    | 449    | 430    | 417    | 409    | 379    | 397    | 376    | 363    | 411    | 445    | 441    | 399    |
| <b>PERSONS AT WORK<sup>1</sup></b>                                      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Nonagricultural industries .....  | 88,855 | 88,723 | 88,638 | 88,617 | 89,180 | 89,454 | 88,985 | 88,585 | 87,660 | 87,680 | 87,910 | 87,454 | 88,270 |
| Full-time schedules .....   | 73,053 | 73,159 | 73,204 | 72,997 | 73,137 | 73,223 | 73,110 | 72,749 | 71,807 | 71,224 | 71,206 | 70,649 | 71,478 |
| Part-time for economic reasons .....                                    | 3,298  | 3,167  | 3,315  | 3,392  | 3,519  | 3,513  | 3,406  | 3,418  | 3,816  | 4,349  | 3,999  | 4,113  | 4,148  |
| Usually work full-time .....  | 1,401  | 1,273  | 1,354  | 1,413  | 1,491  | 1,549  | 1,380  | 1,463  | 1,709  | 2,064  | 1,781  | 1,847  | 1,692  |
| Usually work part-time .....  | 1,897  | 1,894  | 1,961  | 1,979  | 2,028  | 1,964  | 2,026  | 1,955  | 2,107  | 2,285  | 2,217  | 2,266  | 2,456  |
| Part time for noneconomic<br>reasons .....                              | 12,504 | 12,397 | 12,119 | 12,228 | 12,524 | 12,718 | 12,469 | 12,418 | 12,037 | 12,106 | 12,706 | 12,692 | 12,644 |

<sup>1</sup> Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

# HOUSEHOLD DATA

## A-43. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

| Veteran status and age         | Not seasonally adjusted              |           |                      |           |           |           |            |           |                        |      |
|--------------------------------|--------------------------------------|-----------|----------------------|-----------|-----------|-----------|------------|-----------|------------------------|------|
|                                | Civilian noninstitutional population |           | Civilian labor force |           |           |           |            |           |                        |      |
|                                |                                      |           | Total                |           | Employed  |           | Unemployed |           |                        |      |
|                                |                                      |           |                      |           |           |           | Number     |           | Percent of labor force |      |
| Aug. 1979                      | Aug. 1980                            | Aug. 1979 | Aug. 1980            | Aug. 1979 | Aug. 1980 | Aug. 1979 | Aug. 1980  | Aug. 1979 | Aug. 1980              |      |
| <b>VETERANS<sup>1</sup></b>    |                                      |           |                      |           |           |           |            |           |                        |      |
| Total, 20 years and over ..... | 8,551                                | 8,620     | 8,165                | 8,228     | 7,826     | 7,706     | 339        | 522       | 4.2                    | 6.3  |
| 20 to 24 years .....           | 530                                  | 309       | 488                  | 294       | 455       | 242       | 33         | 52        | 6.8                    | 17.7 |
| 25 to 39 years .....           | 7,157                                | 7,292     | 6,934                | 7,047     | 6,650     | 6,609     | 284        | 438       | 4.1                    | 6.2  |
| 25 to 29 years .....           | 1,916                                | 1,681     | 1,839                | 1,579     | 1,737     | 1,398     | 102        | 181       | 5.5                    | 11.5 |
| 30 to 34 years .....           | 3,624                                | 3,568     | 3,512                | 3,480     | 3,367     | 3,303     | 145        | 177       | 4.1                    | 5.1  |
| 35 to 39 years .....           | 1,617                                | 2,043     | 1,583                | 1,988     | 1,546     | 1,908     | 37         | 80        | 2.3                    | 4.0  |
| 40 years and over .....        | 864                                  | 1,019     | 743                  | 887       | 721       | 855       | 22         | 32        | 3.0                    | 3.6  |
| <b>NONVETERANS<sup>2</sup></b> |                                      |           |                      |           |           |           |            |           |                        |      |
| Total, 25 to 39 years .....    | 14,683                               | 15,590    | 13,965               | 14,812    | 13,432    | 13,837    | 533        | 975       | 3.8                    | 6.6  |
| 25 to 29 years .....           | 6,729                                | 7,139     | 6,396                | 6,756     | 6,122     | 6,205     | 274        | 551       | 4.3                    | 8.2  |
| 30 to 34 years .....           | 4,208                                | 4,647     | 3,994                | 4,440     | 3,853     | 4,200     | 141        | 240       | 3.5                    | 5.4  |
| 35 to 39 years .....           | 3,746                                | 3,804     | 3,575                | 3,616     | 3,457     | 3,432     | 118        | 184       | 3.3                    | 5.1  |

<sup>1</sup> Vietnam-era veterans are those who served between August 5, 1964 and May 7, 1975.

<sup>2</sup> Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

**B-1. Employees on nonagricultural payrolls by industry division, 1920 to date**

| Year and month | Total  | Goods-producing |        |              |               | Service-producing |                                     |                            |                 |              |                                     |          | Government |         |                 |
|----------------|--------|-----------------|--------|--------------|---------------|-------------------|-------------------------------------|----------------------------|-----------------|--------------|-------------------------------------|----------|------------|---------|-----------------|
|                |        | Total           | Mining | Construction | Manufacturing | Total             | Transportation and public utilities | Wholesale and retail trade |                 |              | Finance, insurance, and real estate | Services | Total      | Federal | State and local |
|                |        |                 |        |              |               |                   |                                     | Total                      | Wholesale trade | Retail trade |                                     |          |            |         |                 |
| 1920.....      | 27,340 | 12,760          | 1,239  | 863          | 10,658        | 14,580            | 3,998                               | 4,467                      | -               | -            | 1,160                               | 2,352    | 2,603      | -       | -               |
| 1925.....      | 28,766 | 12,489          | 1,089  | 1,461        | 9,939         | 16,277            | 3,826                               | 5,576                      | -               | -            | 1,218                               | 2,857    | 2,800      | -       | -               |
| 1926.....      | 29,806 | 12,911          | 1,185  | 1,570        | 10,156        | 16,895            | 3,942                               | 5,784                      | -               | -            | 1,290                               | 3,033    | 2,846      | -       | -               |
| 1927.....      | 29,962 | 12,738          | 1,114  | 1,623        | 10,001        | 17,224            | 3,895                               | 5,908                      | -               | -            | 1,352                               | 3,154    | 2,915      | -       | -               |
| 1928.....      | 29,986 | 12,618          | 1,050  | 1,621        | 9,947         | 17,368            | 3,828                               | 5,874                      | -               | -            | 1,420                               | 3,251    | 2,995      | -       | -               |
| 1929.....      | 31,324 | 13,301          | 1,087  | 1,512        | 10,702        | 18,023            | 3,916                               | 6,123                      | -               | -            | 1,494                               | 3,425    | 3,065      | -       | -               |
| 1930.....      | 29,409 | 11,958          | 1,009  | 1,387        | 9,562         | 17,451            | 3,685                               | 5,797                      | -               | -            | 1,460                               | 3,361    | 3,148      | 533     | 2,532           |
| 1931.....      | 26,635 | 10,272          | 873    | 1,229        | 8,170         | 16,363            | 3,254                               | 5,284                      | -               | -            | 1,392                               | 3,169    | 3,264      | 560     | 2,704           |
| 1932.....      | 23,615 | 8,647           | 731    | 985          | 6,931         | 14,968            | 2,816                               | 4,683                      | -               | -            | 1,326                               | 2,918    | 3,225      | 559     | 2,666           |
| 1933.....      | 23,699 | 8,965           | 744    | 824          | 7,397         | 14,734            | 2,672                               | 4,755                      | -               | -            | 1,280                               | 2,861    | 3,166      | 565     | 2,601           |
| 1934.....      | 25,940 | 10,261          | 883    | 877          | 8,501         | 15,679            | 2,750                               | 5,281                      | -               | -            | 1,304                               | 3,045    | 3,299      | 652     | 2,647           |
| 1935.....      | 27,039 | 10,893          | 897    | 927          | 9,069         | 16,146            | 2,786                               | 5,431                      | -               | -            | 1,320                               | 3,128    | 3,481      | 753     | 2,728           |
| 1936.....      | 29,068 | 11,933          | 946    | 1,160        | 9,827         | 17,135            | 2,973                               | 5,809                      | -               | -            | 1,373                               | 3,312    | 3,668      | 826     | 2,842           |
| 1937.....      | 31,011 | 12,936          | 1,015  | 1,127        | 10,794        | 18,075            | 3,134                               | 6,265                      | -               | -            | 1,417                               | 3,503    | 3,756      | 833     | 2,923           |
| 1938.....      | 29,194 | 11,401          | 891    | 1,070        | 9,440         | 17,793            | 2,863                               | 6,179                      | -               | -            | 1,410                               | 3,458    | 3,883      | 829     | 3,054           |
| 1939.....      | 30,603 | 12,297          | 854    | 1,165        | 10,278        | 18,306            | 2,936                               | 6,426                      | 1,762           | 4,664        | 1,447                               | 3,502    | 3,995      | 905     | 3,090           |
| 1940.....      | 32,361 | 13,221          | 925    | 1,311        | 10,985        | 19,140            | 3,038                               | 6,750                      | 1,835           | 4,914        | 1,485                               | 3,665    | 4,202      | 996     | 3,206           |
| 1941.....      | 36,539 | 15,963          | 957    | 1,814        | 13,192        | 20,574            | 3,274                               | 7,210                      | 1,960           | 5,251        | 1,525                               | 3,905    | 4,660      | 1,340   | 3,320           |
| 1942.....      | 40,106 | 18,470          | 992    | 2,198        | 15,280        | 21,636            | 3,460                               | 7,118                      | 1,906           | 5,212        | 1,509                               | 4,066    | 5,483      | 2,213   | 3,270           |
| 1943.....      | 42,434 | 20,114          | 925    | 1,587        | 17,602        | 22,320            | 3,647                               | 6,982                      | 1,822           | 5,160        | 1,481                               | 4,130    | 6,080      | 2,905   | 3,175           |
| 1944.....      | 41,864 | 19,328          | 892    | 1,108        | 17,328        | 22,536            | 3,829                               | 7,058                      | 1,845           | 5,214        | 1,461                               | 4,145    | 6,043      | 2,928   | 3,116           |
| 1945.....      | 40,374 | 17,507          | 836    | 1,147        | 15,524        | 22,867            | 3,906                               | 7,314                      | 1,949           | 5,365        | 1,481                               | 4,222    | 5,944      | 2,808   | 3,137           |
| 1946.....      | 41,652 | 17,248          | 862    | 1,683        | 14,703        | 24,404            | 4,061                               | 8,376                      | 2,291           | 6,084        | 1,675                               | 4,697    | 5,595      | 2,254   | 3,341           |
| 1947.....      | 43,857 | 18,509          | 955    | 2,009        | 15,545        | 25,348            | 4,166                               | 8,955                      | 2,471           | 6,485        | 1,728                               | 5,025    | 5,474      | 1,892   | 3,582           |
| 1948.....      | 44,866 | 18,774          | 994    | 2,198        | 15,582        | 26,092            | 4,189                               | 9,272                      | 2,605           | 6,667        | 1,800                               | 5,181    | 5,650      | 1,863   | 3,787           |
| 1949.....      | 43,754 | 17,565          | 930    | 2,194        | 14,441        | 26,189            | 4,009                               | 9,264                      | 2,602           | 6,662        | 1,828                               | 5,240    | 5,856      | 1,908   | 3,948           |
| 1950.....      | 45,197 | 18,506          | 901    | 2,364        | 15,241        | 26,691            | 4,034                               | 9,386                      | 2,635           | 6,751        | 1,888                               | 5,357    | 6,026      | 1,928   | 4,098           |
| 1951.....      | 47,819 | 19,959          | 929    | 2,637        | 16,393        | 27,860            | 4,226                               | 9,742                      | 2,727           | 7,015        | 1,956                               | 5,547    | 6,389      | 2,302   | 4,087           |
| 1952.....      | 48,793 | 20,198          | 898    | 2,668        | 16,632        | 28,595            | 4,248                               | 10,004                     | 2,812           | 7,192        | 2,035                               | 5,699    | 6,609      | 2,420   | 4,188           |
| 1953.....      | 50,202 | 21,074          | 866    | 2,659        | 17,549        | 29,128            | 4,290                               | 10,247                     | 2,854           | 7,393        | 2,111                               | 5,835    | 6,645      | 2,305   | 4,340           |
| 1954.....      | 48,990 | 19,751          | 791    | 2,646        | 16,314        | 29,239            | 4,084                               | 10,235                     | 2,867           | 7,368        | 2,200                               | 5,969    | 6,751      | 2,188   | 4,563           |
| 1955.....      | 50,641 | 20,513          | 792    | 2,839        | 16,882        | 30,128            | 4,141                               | 10,535                     | 2,926           | 7,610        | 2,298                               | 6,240    | 6,914      | 2,187   | 4,727           |
| 1956.....      | 52,369 | 21,104          | 822    | 3,039        | 17,243        | 31,266            | 4,244                               | 10,858                     | 3,018           | 7,840        | 2,389                               | 6,497    | 7,278      | 2,209   | 5,069           |
| 1957.....      | 52,853 | 20,964          | 828    | 2,962        | 17,174        | 31,889            | 4,241                               | 10,886                     | 3,028           | 7,858        | 2,438                               | 6,708    | 7,616      | 2,217   | 5,399           |
| 1958.....      | 51,324 | 19,513          | 751    | 2,817        | 15,945        | 31,811            | 3,976                               | 10,750                     | 2,980           | 7,770        | 2,481                               | 6,765    | 7,839      | 2,191   | 5,648           |
| 1959.....      | 53,268 | 20,411          | 732    | 3,004        | 16,675        | 32,857            | 4,011                               | 11,127                     | 3,082           | 8,045        | 2,549                               | 7,087    | 8,083      | 2,233   | 5,850           |
| 1960.....      | 54,189 | 20,434          | 712    | 2,926        | 16,796        | 33,755            | 4,004                               | 11,391                     | 3,143           | 8,248        | 2,629                               | 7,378    | 8,353      | 2,270   | 6,083           |
| 1961.....      | 53,999 | 19,857          | 672    | 2,859        | 16,326        | 34,142            | 3,903                               | 11,337                     | 3,133           | 8,204        | 2,688                               | 7,620    | 8,594      | 2,279   | 6,315           |
| 1962.....      | 55,549 | 20,451          | 650    | 2,948        | 16,853        | 35,098            | 3,906                               | 11,566                     | 3,198           | 8,368        | 2,754                               | 7,982    | 8,890      | 2,340   | 6,550           |
| 1963.....      | 56,653 | 20,640          | 635    | 3,010        | 16,995        | 36,013            | 3,903                               | 11,778                     | 3,248           | 8,530        | 2,830                               | 8,277    | 9,225      | 2,358   | 6,868           |
| 1964.....      | 58,283 | 21,005          | 634    | 3,097        | 17,274        | 37,278            | 3,951                               | 12,160                     | 3,337           | 8,823        | 2,911                               | 8,660    | 9,596      | 2,348   | 7,248           |
| 1965.....      | 60,765 | 21,926          | 632    | 3,232        | 18,062        | 38,839            | 4,036                               | 12,716                     | 3,466           | 9,250        | 2,977                               | 9,036    | 10,074     | 2,378   | 7,696           |
| 1966.....      | 63,901 | 23,158          | 627    | 3,317        | 19,214        | 40,743            | 4,158                               | 13,245                     | 3,597           | 9,648        | 3,058                               | 9,498    | 10,784     | 2,564   | 8,220           |
| 1967.....      | 65,803 | 23,308          | 613    | 3,248        | 19,447        | 42,495            | 4,268                               | 13,606                     | 3,689           | 9,917        | 3,185                               | 10,045   | 11,391     | 2,719   | 8,672           |
| 1968.....      | 67,897 | 23,737          | 606    | 3,350        | 19,781        | 44,160            | 4,318                               | 14,099                     | 3,779           | 10,320       | 3,337                               | 10,567   | 11,839     | 2,737   | 9,102           |
| 1969.....      | 70,384 | 24,361          | 619    | 3,575        | 20,167        | 46,023            | 4,442                               | 14,705                     | 3,907           | 10,798       | 3,512                               | 11,169   | 12,195     | 2,752   | 9,437           |
| 1970.....      | 70,880 | 23,578          | 623    | 3,588        | 19,367        | 47,302            | 4,515                               | 15,040                     | 3,993           | 11,047       | 3,645                               | 11,548   | 12,554     | 2,731   | 9,823           |
| 1971.....      | 71,214 | 22,935          | 609    | 3,704        | 18,623        | 48,278            | 4,476                               | 15,352                     | 4,001           | 11,351       | 3,772                               | 11,797   | 12,881     | 2,696   | 10,185          |
| 1972.....      | 73,675 | 23,668          | 628    | 3,889        | 19,151        | 50,007            | 4,541                               | 15,949                     | 4,113           | 11,836       | 3,908                               | 12,276   | 13,334     | 2,684   | 10,649          |
| 1973.....      | 76,790 | 24,893          | 642    | 4,097        | 20,154        | 51,897            | 4,656                               | 16,607                     | 4,277           | 12,329       | 4,046                               | 12,857   | 13,732     | 2,663   | 11,068          |
| 1974.....      | 78,265 | 24,794          | 697    | 4,020        | 20,077        | 53,471            | 4,725                               | 16,987                     | 4,433           | 12,554       | 4,148                               | 13,441   | 14,170     | 2,724   | 11,446          |
| 1975.....      | 76,945 | 22,600          | 752    | 3,525        | 18,323        | 54,345            | 4,542                               | 17,060                     | 4,415           | 12,645       | 4,165                               | 13,892   | 14,686     | 2,748   | 11,937          |
| 1976.....      | 79,382 | 23,352          | 779    | 3,576        | 18,997        | 56,030            | 4,582                               | 17,755                     | 4,546           | 13,209       | 4,271                               | 14,551   | 14,871     | 2,733   | 12,138          |
| 1977.....      | 82,471 | 24,346          | 813    | 3,851        | 19,682        | 58,125            | 4,713                               | 18,516                     | 4,708           | 13,808       | 4,467                               | 15,303   | 15,127     | 2,727   | 12,399          |
| 1978.....      | 86,697 | 25,585          | 851    | 4,229        | 20,505        | 61,113            | 4,923                               | 19,542                     | 4,969           | 14,573       | 4,724                               | 16,252   | 15,672     | 2,753   | 12,919          |
| 1979.....      | 89,886 | 26,504          | 960    | 4,483        | 21,062        | 63,382            | 5,141                               | 20,269                     | 5,204           | 15,066       | 4,974                               | 17,078   | 15,920     | 2,773   | 13,147          |
| 1979:          |        |                 |        |              |               |                   |                                     |                            |                 |              |                                     |          |            |         |                 |
| AUG.....       | 90,093 | 26,948          | 989    | 4,863        | 21,096        | 63,145            | 5,197                               | 20,296                     | 5,243           | 15,053       | 5,068                               | 17,315   | 15,269     | 2,844   | 12,425          |
| SEPT.....      | 90,629 | 27,079          | 983    | 4,801        | 21,295        | 63,550            | 5,229                               | 20,425                     | 5,239           | 15,186       | 5,015                               | 17,238   | 15,643     | 2,751   | 12,892          |
| OCT.....       | 91,062 | 26,969          | 984    | 4,792        | 21,193        | 64,093            | 5,233                               | 20,474                     | 5,266           | 15,208       | 5,025                               | 17,297   | 16,064     | 2,756   | 13,308          |
| NOV.....       | 91,288 | 26,739          | 986    | 4,698        | 21,055        | 64,549            | 5,243                               | 20,756                     | 5,282           | 15,474       | 5,039                               | 17,284   | 16,227     | 2,760   | 13,467          |
| DEC.....       | 91,394 | 26,508          | 985    | 4,536        | 20,987        | 64,886            | 5,240                               | 21,114                     | 5,264           | 15,850       | 5,047                               | 17,271   | 16,214     | 2,770   | 13,444          |
| 1980:          |        |                 |        |              |               |                   |                                     |                            |                 |              |                                     |          |            |         |                 |
| JAN.....       | 89,630 | 25,953          | 982    | 4,194        | 20,777        | 63,677            | 5,136                               | 20,325                     | 5,241           | 15,084       | 5,052                               | 17,135   | 16,029     | 2,763   | 13,266          |
| FEB.....       | 89,781 | 25,826          | 987    | 4,109        | 20,730        | 63,955            | 5,130                               | 20,155                     | 5,250           | 14,905       | 5,061                               | 17,317   | 16,292     | 2,803   | 13,489          |
| MAR.....       | 90,316 | 25,939          | 996    | 4,150        | 20,793        | 64,377            | 5,143                               | 20,226                     | 5,269           | 14,957       | 5,085                               | 17,478   | 16,445     | 2,869   | 13,576          |
| APR.....       | 90,761 | 25,850          | 1,006  | 4,311        | 20,533        | 64,911            | 5,147                               | 20,373                     | 5,265           | 15,108       | 5,104                               | 17,636   | 16,651     | 3,103   | 13,548          |
| MAY.....       | 90,849 | 25,745          | 1,024  | 4,471        | 20,250        | 65,104            | 5,167                               | 20,497                     | 5,263           | 15,234       | 5,137                               | 17,747   | 16,556     | 2,963   | 13,593          |
| JUN.....       | 91,049 | 25,861          | 1,049  | 4,611        | 20,201        | 65,188            | 5,185                               | 20,562                     | 5,287           | 15,275       | 5,201                               | 17,846   | 16,394     | 2,995   | 13,999          |
| JUL..P.....    | 89,815 | 25,395          | 1,028  | 4,630        | 19,737        | 64,420            | 5,141                               | 20,488                     | 5,271           | 15,217       | 5,228                               | 17,961   | 15,602     | 2,949   | 12,653          |
| AUG..P.....    | 90,009 | 25,762          | 1,033  | 4,708        | 20,021        | 64,247            | 5,136                               | 20,545                     | 5,278           | 15,267       | 5,223                               | 17,951   | 15,392     | 2,874   | 12,518          |

\* Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in nonagricultural total for the March 1959 benchmark month.

p=preliminary.

NOTE: The January through July 1980 issues contained erroneous data for "total goods-producing" for 1969 and 1970, and "total service-producing" for 1920-71. Corrections have been made in this table.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes on this publication.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry

[In thousands]

| 1972<br>SIC<br>Code | Industry  | All employees |              |              |                |                | Production workers <sup>1</sup> |              |              |                |                |
|---------------------|---|---------------|--------------|--------------|----------------|----------------|---------------------------------|--------------|--------------|----------------|----------------|
|                     |   | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P. | Aug.<br>1980P. | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P. | Aug.<br>1980P. |
|                     | <b>TOTAL</b> .....  | 90,018        | 90,093       | 91,049       | 89,815         | 90,009         | -                               | -            | -            | -              | -              |
|                     | <b>PRIVATE SECTOR</b> .....                                 | 74,659        | 74,824       | 74,655       | 74,213         | 74,617         | 61,005                          | 61,135       | 60,730       | 60,314         | 60,711         |
|                     | <b>MINING</b> .....   | 979           | 989          | 1,049        | 1,028          | 1,033          | 733                             | 742          | 785          | 763            | 761            |
| 10                  | <b>METAL MINING</b> .....                                   | 103.7         | 104.4        | 106.8        | 87.2           | -              | 79.4                            | 79.7         | 80.9         | 64.3           | -              |
| 101                 | Iron ores .....   | 25.2          | 25.3         | 22.4         | 19.5           | -              | 20.2                            | 20.0         | 17.5         | 14.0           | -              |
| 102                 | Copper ores .....   | 33.9          | 34.3         | 36.4         | 19.7           | -              | 26.1                            | 26.3         | 28.2         | 15.3           | -              |
| 11, 12              | <b>COAL MINING</b> .....                                    | 263.7         | 266.8        | 262.0        | 254.5          | -              | 219.2                           | 222.7        | 216.3        | 210.3          | -              |
| 12                  | <b>BITUMINOUS COAL AND LIGNITE MINING</b> .....             | 260.5         | 263.6        | 258.8        | 251.4          | -              | 216.4                           | 219.8        | 213.4        | 207.5          | -              |
| 13                  | <b>OIL AND GAS EXTRACTION</b> .....                         | 482.3         | 488.3        | 556.7        | 562.9          | -              | 332.2                           | 336.7        | 390.7        | 392.6          | -              |
| 131, 2              | Crude petroleum, natural gas, and natural gas liquids ..... | 202.9         | 204.1        | 221.7        | 227.3          | -              | 95.9                            | 96.0         | 104.2        | 106.2          | -              |
| 138                 | Oil and gas field services .....                            | 279.4         | 284.2        | 335.0        | 335.6          | -              | 236.3                           | 240.7        | 286.5        | 286.4          | -              |
| 14                  | <b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....             | 128.8         | 129.3        | 123.8        | 123.0          | -              | 102.5                           | 103.2        | 97.1         | 96.2           | -              |
| 142                 | Crushed and broken stone .....                              | 43.0          | 43.0         | 40.9         | 40.4           | -              | 36.3                            | 36.2         | 33.9         | 33.4           | -              |
| 144                 | Sand and gravel .....                                       | 41.6          | 41.3         | 37.8         | 37.8           | -              | -                               | -            | -            | -              | -              |
| 147                 | Chemical and fertilizer minerals .....                      | 24.7          | 25.2         | 25.5         | 25.6           | -              | -                               | -            | -            | -              | -              |
|                     | <b>CONSTRUCTION</b> .....                                   | 4,813         | 4,863        | 4,611        | 4,630          | 4,708          | 3,893                           | 3,944        | 3,656        | 3,674          | 3,745          |
| 15                  | <b>GENERAL BUILDING CONTRACTORS</b> .....                   | 1,372.8       | 1,387.5      | 1,261.0      | 1,259.4        | -              | 1,083.6                         | 1,095.8      | 977.6        | 976.3          | -              |
| 152                 | Residential building construction .....                     | 671.6         | 678.3        | 596.8        | 589.7          | -              | 516.9                           | 522.1        | 446.2        | 439.0          | -              |
| 153                 | Operative builders .....                                    | 91.2          | 89.8         | 70.7         | 72.2           | -              | 60.2                            | 58.6         | 42.2         | 42.4           | -              |
| 154                 | Nonresidential building construction .....                  | 610.0         | 619.4        | 593.5        | 597.5          | -              | 506.5                           | 515.1        | 489.2        | 494.9          | -              |
| 16                  | <b>HEAVY CONSTRUCTION CONTRACTORS</b> .....                 | 1,031.2       | 1,035.3      | 947.6        | 946.9          | -              | 873.1                           | 876.3        | 775.1        | 776.8          | -              |
| 161                 | Highway and street construction .....                       | 339.6         | 341.9        | 306.6        | 308.4          | -              | 297.9                           | 300.6        | 266.6        | 267.8          | -              |
| 162                 | Heavy construction, except highway .....                    | 691.6         | 693.4        | 641.0        | 638.5          | -              | 575.2                           | 575.7        | 508.5        | 509.0          | -              |
| 17                  | <b>SPECIAL TRADE CONTRACTORS</b> .....                      | 2,408.5       | 2,439.9      | 2,402.6      | 2,424.0        | -              | 1,936.0                         | 1,971.4      | 1,903.4      | 1,921.1        | -              |
| 171                 | Plumbing, heating, air conditioning .....                   | 569.4         | 575.8        | 572.9        | 577.6          | -              | 434.0                           | 442.2        | 428.5        | 431.4          | -              |
| 172                 | Painting, paper hanging, decorating .....                   | 171.7         | 173.8        | 165.8        | 169.9          | -              | 146.4                           | 148.8        | 140.9        | 144.5          | -              |
| 173                 | Electrical work .....                                       | 413.8         | 419.9        | 422.3        | 425.9          | -              | 326.0                           | 331.8        | 327.4        | 330.1          | -              |
| 174                 | Masonry, stonework, and plastering .....                    | 380.7         | 389.1        | 386.4        | 382.4          | -              | 332.9                           | 340.6        | 333.6        | 329.3          | -              |
| 175                 | Carpentering and flooring .....                             | 137.0         | 135.9        | 120.3        | 123.3          | -              | 107.3                           | 107.0        | 90.6         | 93.5           | -              |
| 176                 | Roofing and sheet metal work .....                          | 176.9         | 178.8        | 174.9        | 177.3          | -              | 144.5                           | 146.7        | 141.6        | 143.9          | -              |
|                     | <b>MANUFACTURING</b> .....                                  | 21,054        | 21,096       | 20,201       | 19,737         | 20,021         | 15,026                          | 15,048       | 14,093       | 13,653         | 13,939         |
| 24, 26,<br>32-39    | <b>DURABLE GOODS</b> .....                                  | 12,797        | 12,683       | 12,065       | 11,761         | 11,811         | 9,105                           | 8,979        | 8,307        | 8,022          | 8,072          |
| 20-23,<br>26-31     | <b>NONDURABLE GOODS</b> .....                               | 8,257         | 8,413        | 8,136        | 7,976          | 8,210          | 5,921                           | 6,069        | 5,786        | 5,631          | 5,867          |
|                     | <b>DURABLE GOODS</b>  |               |              |              |                |                |                                 |              |              |                |                |
| 24                  | <b>LUMBER AND WOOD PRODUCTS</b> .....                       | 785.4         | 788.2        | 668.0        | 661.9          | 679.6          | 671.4                           | 674.8        | 557.2        | 553.3          | 569.6          |
| 241                 | Logging camps and logging contractors .....                 | 94.4          | 95.3         | 86.0         | 89.9           | -              | 79.2                            | 80.4         | 70.7         | 74.2           | -              |
| 242                 | Sawmills and planing mills .....                            | 244.0         | 244.4        | 210.0        | 210.8          | -              | 218.3                           | 218.7        | 185.8        | 187.1          | -              |
| 2421                | Sawmills and planing mills, general .....                   | 203.4         | 203.2        | 174.2        | 176.3          | -              | 182.4                           | 182.4        | 154.4        | 156.7          | -              |
| 2426                | Hardwood dimension and flooring .....                       | 33.4          | 33.8         | 28.7         | 26.8           | -              | 29.3                            | 29.7         | 24.8         | 23.2           | -              |
| 243                 | Millwork, plywood, and structural members .....             | 228.0         | 227.2        | 187.4        | 182.9          | -              | 192.1                           | 191.7        | 152.5        | 148.8          | -              |
| 2431                | Millwork .....  | 76.5          | 76.3         | 62.7         | 62.5           | -              | 62.3                            | 62.2         | 49.3         | 49.1           | -              |
| 2434                | Wood kitchen cabinets .....                                 | 53.9          | 54.2         | 43.9         | 42.8           | -              | 45.5                            | 46.2         | 35.8         | 34.9           | -              |
| 2436                | Hardwood veneer and plywood .....                           | 27.6          | 28.1         | 25.2         | 23.8           | -              | 24.5                            | 25.0         | 22.0         | 20.7           | -              |
| 2438                | Softwood veneer and plywood .....                           | 50.8          | 49.9         | 41.5         | 39.4           | -              | 44.4                            | 43.4         | 35.4         | 33.7           | -              |
| 244                 | Wooden containers .....                                     | 48.1          | 46.9         | 43.7         | 41.8           | -              | 42.5                            | 41.2         | 37.8         | 36.3           | -              |
| 245                 | Wood buildings and mobile homes .....                       | 88.1          | 89.5         | 61.0         | 61.1           | -              | 70.4                            | 71.9         | 44.5         | 45.2           | -              |
| 2451                | Mobile homes .....  | 60.0          | 61.9         | 43.2         | 41.9           | -              | 49.9                            | 51.8         | 32.5         | 32.2           | -              |
| 249                 | Miscellaneous wood products .....                           | 82.8          | 84.9         | 79.9         | 75.4           | -              | 68.9                            | 70.9         | 65.9         | 61.7           | -              |
| 25                  | <b>FURNITURE AND FIXTURES</b> .....                         | 486.5         | 497.1        | 460.8        | 437.7          | 444.0          | 394.5                           | 404.4        | 368.8        | 348.7          | 354.6          |
| 251                 | Household furniture .....                                   | 318.8         | 327.0        | 297.0        | 276.1          | -              | 267.6                           | 275.2        | 246.8        | 228.5          | -              |
| 2511                | Wood household furniture .....                              | 141.8         | 147.7        | 136.9        | 122.7          | -              | 123.7                           | 129.0        | 118.4        | 104.7          | -              |
| 2512                | Upholstered household furniture .....                       | 99.5          | 100.8        | 91.4         | 88.3           | -              | 82.0                            | 83.3         | 74.7         | 72.2           | -              |
| 2514                | Metal household furniture .....                             | 30.0          | 29.7         | 26.5         | 23.9           | -              | 23.7                            | 23.6         | 20.6         | 18.8           | -              |
| 2515                | Mattresses and bedsprings .....                             | 30.9          | 31.8         | 27.6         | 27.0           | -              | 23.6                            | 24.5         | 20.8         | 20.4           | -              |
| 252                 | Office furniture .....                                      | 49.0          | 50.2         | 49.1         | 47.9           | -              | 39.0                            | 40.2         | 38.5         | 37.6           | -              |
| 253                 | Public building and related furniture .....                 | 25.8          | 26.3         | 24.8         | 25.0           | -              | 19.6                            | 20.0         | 18.3         | 18.5           | -              |
| 254                 | Partitions and fixtures .....                               | 65.3          | 65.3         | 62.8         | 62.4           | -              | 49.3                            | 49.3         | 46.5         | 46.2           | -              |
| 259                 | Miscellaneous furniture and fixtures .....                  | 27.6          | 28.3         | 27.1         | 26.3           | -              | 19.0                            | 19.7         | 18.7         | 17.9           | -              |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry                                      | All employees |              |              |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| 32                  | <b>STONE, CLAY, AND GLASS PRODUCTS</b>        | 726.0         | 726.5        | 666.2        | 657.5         | 665.1         | 573.9                           | 573.6        | 514.9        | 505.9         | 515.0         |
| 321                 | Flat glass                                    | 19.5          | 19.4         | 16.9         | 15.4          | -             | 14.9                            | 14.8         | 12.8         | 11.4          | -             |
| 322                 | Glass and glassware, pressed or blown         | 133.4         | 132.3        | 126.3        | 124.6         | -             | 114.1                           | 113.1        | 107.2        | 105.6         | -             |
| 3221                | Glass containers                              | 75.4          | 74.1         | 69.4         | 68.7          | -             | 66.3                            | 65.1         | 60.9         | 60.2          | -             |
| 3229                | Pressed and blown glass, nec                  | 58.0          | 58.2         | 56.9         | 55.9          | -             | 47.8                            | 48.0         | 46.3         | 45.4          | -             |
| 323                 | Products of purchased glass                   | 46.9          | 47.1         | 43.7         | 42.7          | -             | 34.2                            | 34.2         | 30.7         | 29.1          | -             |
| 324                 | Cement, hydraulic                             | 33.6          | 33.9         | 32.7         | 32.4          | -             | 27.0                            | 27.5         | 26.3         | 26.0          | -             |
| 325                 | Structural clay products                      | 52.8          | 52.3         | 44.8         | 43.6          | -             | 41.1                            | 40.3         | 33.6         | 32.6          | -             |
| 326                 | Pottery and related products                  | 47.0          | 47.6         | 44.8         | 42.9          | -             | 39.3                            | 40.1         | 37.0         | 34.8          | -             |
| 327                 | Concrete, gypsum, and plaster products        | 227.3         | 228.0        | 206.8        | 207.5         | -             | 178.8                           | 179.2        | 159.9        | 160.1         | -             |
| 3271                | Concrete block and brick                      | 24.8          | 24.6         | 21.6         | 21.8          | -             | 17.7                            | 17.6         | 15.0         | 15.0          | -             |
| 3272                | Concrete products, nec                        | 74.9          | 75.7         | 67.3         | 67.2          | -             | 57.8                            | 58.5         | 50.8         | 50.6          | -             |
| 3273                | Ready-mixed concrete                          | 105.0         | 105.0        | 97.3         | 98.0          | -             | 84.7                            | 84.4         | 77.5         | 78.0          | -             |
| 329                 | Misc. nonmetallic mineral products            | 152.7         | 152.7        | 138.2        | 136.1         | -             | 114.0                           | 113.8        | 97.8         | 96.3          | -             |
| 3291                | Abrasive products                             | 30.0          | 30.0         | 29.2         | 28.6          | -             | 20.7                            | 20.8         | 19.4         | 18.8          | -             |
| 3292                | Asbestos products                             | 22.6          | 22.8         | 18.1         | 17.4          | -             | 17.6                            | 17.6         | 13.5         | 13.2          | -             |
| 3296                | Mineral wool                                  | 33.6          | 34.0         | 30.8         | 31.0          | -             | -                               | -            | -            | -             | -             |
| 33                  | <b>PRIMARY METAL INDUSTRIES</b>               | 1,267.4       | 1,250.6      | 1,112.9      | 1,056.7       | 1,055.9       | 994.5                           | 980.7        | 846.2        | 798.5         | 799.3         |
| 331                 | Blast furnace and basic steel products        | 583.7         | 580.6        | 494.8        | 482.0         | -             | 462.3                           | 459.3        | 377.3        | 368.4         | -             |
| 3312                | Blast furnaces and steel mills                | 491.4         | 488.0        | 413.7        | 404.6         | -             | 390.8                           | 387.4        | 316.1        | 310.8         | -             |
| 3317                | Steel pipe and tubes                          | 30.7          | 30.5         | 27.2         | 25.8          | -             | 24.0                            | 23.9         | 20.6         | 19.3          | -             |
| 332                 | Iron and steel foundries                      | 241.0         | 231.6        | 200.7        | 182.2         | -             | 195.9                           | 186.8        | 159.4        | 142.3         | -             |
| 3321                | Gray iron foundries                           | 148.1         | 139.7        | 117.8        | 103.9         | -             | 121.9                           | 114.2        | 95.2         | 81.8          | -             |
| 3322                | Malleable iron foundries                      | 21.7          | 19.9         | 15.2         | 12.5          | -             | 17.3                            | 15.6         | 11.4         | 9.5           | -             |
| 3325                | Steel foundries, nec                          | 59.1          | 59.9         | 55.1         | 53.1          | -             | 47.3                            | 47.6         | 43.4         | 41.5          | -             |
| 333                 | Primary nonferrous metals                     | 72.8          | 72.8         | 72.0         | 62.8          | -             | 56.6                            | 56.5         | 55.2         | 47.5          | -             |
| 3334                | Primary aluminum                              | 37.1          | 37.1         | 36.9         | 36.8          | -             | 29.8                            | 29.8         | 29.1         | 28.7          | -             |
| 336                 | Nonferrous rolling and drawing                | 220.5         | 217.5        | 208.6        | 199.4         | -             | 160.4                           | 159.8        | 147.9        | 140.1         | -             |
| 3361                | Copper rolling and drawing                    | 34.7          | 34.2         | 29.3         | 26.9          | -             | 26.8                            | 26.7         | 21.8         | 19.9          | -             |
| 3363                | Aluminum sheet, plate, and foil               | 37.6          | 37.4         | 36.5         | 34.2          | -             | 28.8                            | 28.8         | 27.5         | 25.3          | -             |
| 3367                | Nonferrous wire drawing and insulating        | 88.9          | 87.6         | 86.4         | 82.6          | -             | 65.0                            | 63.5         | 61.5         | 58.4          | -             |
| 336                 | Nonferrous foundries                          | 98.9          | 97.0         | 86.3         | 81.7          | -             | 80.7                            | 79.1         | 68.2         | 63.7          | -             |
| 3361                | Aluminum foundries                            | 57.4          | 56.3         | 50.0         | 47.4          | -             | 47.6                            | 46.7         | 40.0         | 37.4          | -             |
| 34                  | <b>FABRICATED METAL PRODUCTS</b>              | 1,711.8       | 1,711.7      | 1,598.6      | 1,535.2       | 1,565.2       | 1,290.4                         | 1,287.9      | 1,179.0      | 1,121.4       | 1,150.1       |
| 341                 | Metal cans and shipping containers            | 82.1          | 82.3         | 76.9         | 76.3          | -             | 69.6                            | 69.8         | 64.7         | 64.2          | -             |
| 3411                | Metal cans                                    | 67.4          | 67.8         | 62.7         | 62.2          | -             | 57.5                            | 57.9         | 53.1         | 52.9          | -             |
| 342                 | Cutlery, hand tools, and hardware             | 182.0         | 181.7        | 161.7        | 150.9         | -             | 140.1                           | 140.0        | 121.8        | 112.1         | -             |
| 3423,5              | Hand and edge tools, and hand saws and blades | 63.8          | 64.9         | 58.4         | 54.6          | -             | 49.7                            | 50.7         | 44.8         | 41.2          | -             |
| 3429                | Hardware, nec                                 | 102.9         | 101.2        | 88.4         | 82.5          | -             | 79.7                            | 78.0         | 65.9         | 60.7          | -             |
| 343                 | Plumbing and heating, except electric         | 74.3          | 76.3         | 65.7         | 63.1          | -             | 54.8                            | 56.8         | 46.0         | 44.3          | -             |
| 3432                | Plumbing fittings and brass goods             | 28.1          | 28.6         | 24.8         | 23.0          | -             | 23.1                            | 23.6         | 19.7         | 18.1          | -             |
| 3433                | Heating equipment, except electric            | 35.0          | 36.3         | 30.4         | 29.8          | -             | 24.0                            | 25.3         | 19.2         | 19.2          | -             |
| 344                 | Fabricated structural metal products          | 528.4         | 528.6        | 510.0        | 500.1         | -             | 372.6                           | 371.1        | 351.2        | 342.8         | -             |
| 3441                | Fabricated structural metal                   | 105.1         | 107.2        | 107.1        | 100.6         | -             | 75.7                            | 77.6         | 77.7         | 72.0          | -             |
| 3442                | Metal doors, sash, and trim                   | 88.2          | 89.4         | 76.5         | 78.2          | -             | 66.2                            | 67.3         | 55.2         | 56.7          | -             |
| 3443                | Fabricated plate work (boiler shops)          | 150.4         | 146.2        | 149.1        | 145.8         | -             | 97.2                            | 92.0         | 93.4         | 90.3          | -             |
| 3444                | Sheet metal work                              | 112.9         | 113.3        | 109.4        | 108.3         | -             | 83.5                            | 83.6         | 79.6         | 79.2          | -             |
| 3446                | Architectural metal work                      | 31.2          | 31.4         | 31.8         | 31.6          | -             | 22.6                            | 22.7         | 22.3         | 22.0          | -             |
| 345                 | Screw machine products, bolts, etc.           | 115.6         | 116.1        | 108.2        | 103.2         | -             | 90.9                            | 91.4         | 83.7         | 78.9          | -             |
| 3451                | Screw machine products                        | 54.1          | 54.4         | 51.9         | 49.7          | -             | 45.0                            | 45.2         | 42.4         | 40.2          | -             |
| 3452                | Bolts, nuts, rivets, and washers              | 61.5          | 61.7         | 56.3         | 53.5          | -             | 45.9                            | 46.2         | 41.3         | 38.7          | -             |
| 346                 | Metal forgings and stampings                  | 296.7         | 292.6        | 258.6        | 235.6         | -             | 236.8                           | 231.9        | 202.1        | 180.2         | -             |
| 3462                | Iron and steel forgings                       | 57.8          | 56.6         | 51.7         | 48.3          | -             | 45.2                            | 43.7         | 39.9         | 36.7          | -             |
| 3465                | Automotive stampings                          | 108.6         | 103.2        | 86.2         | 70.6          | -             | 89.3                            | 84.0         | 69.5         | 54.9          | -             |
| 3469                | Metal stampings, nec                          | 119.6         | 121.7        | 109.5        | 105.8         | -             | 94.1                            | 95.5         | 84.0         | 80.3          | -             |
| 347                 | Metal services, nec                           | 108.2         | 108.7        | 106.3        | 103.2         | -             | 88.4                            | 88.9         | 85.4         | 82.5          | -             |
| 3471                | Plating and polishing                         | 73.3          | 73.5         | 70.9         | 68.6          | -             | 60.5                            | 60.9         | 57.6         | 55.6          | -             |
| 3479                | Metal coating and allied services             | 34.9          | 35.2         | 35.4         | 34.6          | -             | 27.9                            | 28.0         | 27.8         | 26.9          | -             |
| 348                 | Ordinance and accessories, nec                | 64.6          | 63.3         | 61.6         | 59.0          | -             | 44.4                            | 43.1         | 41.0         | 39.5          | -             |
| 3483                | Ammunition, exc. for small arms, nec          | 28.3          | 28.6         | 27.3         | 27.4          | -             | 19.4                            | 19.7         | 18.4         | 18.7          | -             |
| 349                 | Misc. fabricated metal products               | 259.9         | 262.1        | 249.6        | 243.8         | -             | 192.8                           | 194.9        | 183.1        | 176.9         | -             |
| 3494                | Valves and pipe fittings                      | 105.0         | 105.8        | 103.1        | 101.4         | -             | 72.6                            | 73.3         | 71.2         | 69.0          | -             |
| 3496                | Misc. fabricated wire products                | 54.2          | 55.1         | 52.3         | 50.5          | -             | 41.8                            | 42.8         | 40.4         | 38.9          | -             |
| 35                  | <b>MACHINERY, EXCEPT ELECTRICAL</b>           | 2,504.9       | 2,489.7      | 2,486.1      | 2,440.3       | 2,425.6       | 1,642.2                         | 1,619.3      | 1,592.2      | 1,548.9       | 1,530.4       |
| 351                 | Engines and turbines                          | 149.5         | 149.4        | 134.5        | 132.3         | -             | 98.5                            | 98.3         | 86.3         | 84.4          | -             |
| 3511                | Turbines and turbine generator sets           | 41.0          | 40.8         | 39.8         | 38.6          | -             | 21.0                            | 20.8         | 20.3         | 19.0          | -             |
| 3519                | Internal combustion engines, nec              | 108.5         | 108.6        | 94.7         | 93.7          | -             | 77.5                            | 77.5         | 66.0         | 65.4          | -             |
| 352                 | Farm and garden machinery                     | 185.6         | 176.1        | 170.1        | 164.0         | -             | 130.7                           | 121.0        | 116.1        | 112.0         | -             |
| 3523                | Farm machinery and equipment                  | 162.3         | 156.6        | 152.5        | 149.2         | -             | 114.4                           | 108.4        | 105.3        | 103.0         | -             |
| 353                 | Construction and related machinery            | 398.3         | 397.8        | 393.5        | 380.3         | -             | 265.3                           | 262.2        | 256.5        | 246.2         | -             |
| 3531                | Construction machinery                        | 171.6         | 171.7        | 155.3        | 150.0         | -             | 116.9                           | 114.9        | 102.6        | 98.1          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

(In thousands)

| 1972<br>SIC<br>Code | Industry                                      | All employees |              |              |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>MACHINERY, EXCEPT ELECTRICAL—Continued</b> |               |              |              |               |               |                                 |              |              |               |               |
| 3532                | Mining machinery.....                         | 34.3          | 34.9         | 35.2         | 32.8          | -             | 21.5                            | 22.1         | 21.8         | 19.9          | -             |
| 3533                | Oil field machinery.....                      | 86.1          | 85.9         | 96.1         | 95.9          | -             | 58.9                            | 58.3         | 66.0         | 65.9          | -             |
| 3535                | Conveyers and conveying equipment.....        | 33.1          | 33.1         | 33.3         | 32.6          | -             | 20.0                            | 19.8         | 18.6         | 17.9          | -             |
| 3537                | Industrial trucks and tractors.....           | 39.7          | 39.7         | 37.9         | 33.5          | -             | 27.6                            | 27.7         | 25.1         | 22.1          | -             |
| 354                 | Metalworking machinery.....                   | 367.1         | 368.8        | 371.8        | 364.9         | -             | 269.7                           | 270.2        | 271.3        | 264.3         | -             |
| 3541                | Machine tools, metal cutting types.....       | 76.9          | 77.1         | 80.2         | 80.7          | -             | 50.8                            | 50.6         | 53.8         | 53.9          | -             |
| 3542                | Machine tools, metal forming types.....       | 27.3          | 27.1         | 27.6         | 27.1          | -             | 17.8                            | 17.6         | 18.0         | 17.4          | -             |
| 3544                | Special dies, tools, jigs, and fixtures.....  | 136.6         | 135.8        | 132.5        | 130.0         | -             | 109.8                           | 108.5        | 105.6        | 103.0         | -             |
| 3545                | Machine tool accessories.....                 | 67.4          | 69.1         | 72.7         | 69.7          | -             | 48.5                            | 49.9         | 51.6         | 49.3          | -             |
| 3546                | Power driven hand tools.....                  | 33.4          | 34.2         | 33.9         | 32.8          | -             | 25.5                            | 26.2         | 25.8         | 24.7          | -             |
| 355                 | Special industry machinery.....               | 204.3         | 205.8        | 211.1        | 206.9         | -             | 129.7                           | 131.1        | 134.8        | 131.4         | -             |
| 3551                | Food products machinery.....                  | 46.6          | 46.9         | 47.8         | 46.6          | -             | 30.0                            | 30.3         | 30.6         | 29.4          | -             |
| 3552                | Textile machinery.....                        | 26.6          | 27.1         | 27.5         | 26.4          | -             | 18.6                            | 19.2         | 19.3         | 18.7          | -             |
| 3555                | Printing trades machinery.....                | 37.7          | 37.9         | 40.5         | 41.1          | -             | 22.6                            | 23.1         | 25.4         | 25.6          | -             |
| 356                 | General industrial machinery.....             | 327.7         | 325.1        | 322.2        | 314.5         | -             | 216.3                           | 213.5        | 209.0        | 202.4         | -             |
| 3561                | Pumps and pumping equipment.....              | 63.9          | 63.2         | 62.1         | 61.4          | -             | 38.6                            | 37.7         | 36.6         | 36.0          | -             |
| 3562                | Ball and roller bearings.....                 | 56.9          | 56.3         | 57.7         | 56.0          | -             | 45.4                            | 42.8         | 44.9         | 43.3          | -             |
| 3563                | Air and gas compressors.....                  | 31.7          | 31.6         | 31.0         | 30.5          | -             | 18.5                            | 18.3         | 18.4         | 18.1          | -             |
| 3564                | Blowers and fans.....                         | 42.4          | 41.6         | 41.0         | 41.2          | -             | 27.4                            | 26.6         | 24.7         | 24.7          | -             |
| 3566                | Speed changers, drives, and gears.....        | 26.8          | 26.6         | 26.2         | 25.1          | -             | 18.2                            | 18.1         | 17.7         | 16.6          | -             |
| 3568                | Power transmission equipment, nec.....        | 25.7          | 25.3         | 23.2         | 21.8          | -             | 18.6                            | 18.3         | 16.3         | 15.3          | -             |
| 357                 | Office and computing machines.....            | 402.0         | 404.2        | 433.1        | 434.7         | -             | 180.6                           | 181.8        | 187.3        | 184.5         | -             |
| 3573                | Electronic computing equipment.....           | 323.7         | 327.1        | 354.7        | 357.1         | -             | 134.0                           | 135.9        | 143.1        | 140.7         | -             |
| 358                 | Refrigeration and service machinery.....      | 186.6         | 177.9        | 166.0        | 162.8         | -             | 131.5                           | 123.1        | 112.6        | 109.0         | -             |
| 3585                | Refrigeration and heating equipment.....      | 128.1         | 119.8        | 108.8        | 106.0         | -             | 91.2                            | 83.3         | 73.6         | 70.4          | -             |
| 359                 | Misc. machinery, except electrical.....       | 283.8         | 284.6        | 283.8        | 279.9         | -             | 219.9                           | 218.1        | 218.3        | 214.7         | -             |
| 3592                | Carburetors, pistons, rings, valves.....      | 42.3          | 41.8         | 39.1         | 36.7          | -             | 33.6                            | 33.0         | 30.5         | 28.2          | -             |
| 3599                | Machinery, except electrical, nec.....        | 241.5         | 242.8        | 244.7        | 243.2         | -             | 186.3                           | 185.1        | 187.8        | 186.5         | -             |
|                     |   | 2, 127.6      | 2, 105.7     | 2, 102.2     | 2, 066.0      | 2, 057.6      | 1, 390.3                        | 1, 370.3     | 1, 328.4     | 1, 291.8      | 1, 278.7      |
| 36                  | <b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>      | 124.7         | 116.2        | 118.7        | 113.4         | -             | 89.9                            | 82.8         | 82.3         | 78.1          | -             |
| 361                 | Electric distributing equipment.....          | 55.7          | 51.3         | 52.3         | 49.7          | -             | 39.8                            | 37.0         | 36.2         | 34.2          | -             |
| 3612                | Transformers.....                             | 69.0          | 64.9         | 66.4         | 63.7          | -             | 50.1                            | 45.8         | 46.1         | 43.9          | -             |
| 3613                | Switchgear and switchboard apparatus.....     | 256.1         | 244.0        | 235.6        | 228.8         | -             | 184.8                           | 173.6        | 164.9        | 158.7         | -             |
| 362                 | Electrical industrial apparatus.....          | 132.6         | 122.2        | 116.5        | 111.5         | -             | 100.3                           | 90.7         | 86.2         | 81.8          | -             |
| 3621                | Motors and generators.....                    | 73.4          | 72.9         | 70.2         | 69.7          | -             | 48.1                            | 47.7         | 43.8         | 43.3          | -             |
| 3622                | Industrial controls.....                      | 180.1         | 178.8        | 159.1        | 159.1         | -             | 142.4                           | 140.7        | 124.2        | 124.7         | -             |
| 363                 | Household appliances.....                     | 39.1          | 37.6         | 35.5         | 34.0          | -             | 31.7                            | 29.9         | 28.8         | 27.3          | -             |
| 3632                | Household refrigerators and freezers.....     | 23.4          | 23.1         | 18.4         | 22.4          | -             | 18.4                            | 18.1         | 13.5         | 17.5          | -             |
| 3633                | Household laundry equipment.....              | 54.6          | 55.1         | 51.4         | 49.1          | -             | 43.4                            | 43.9         | 41.8         | 39.9          | -             |
| 3634                | Electric housewares and fans.....             | 223.7         | 219.2        | 208.9        | 200.9         | -             | 168.8                           | 164.0        | 154.2        | 147.1         | -             |
| 364                 | Electric lighting and wiring equipment.....   | 37.9          | 33.4         | 34.4         | 33.4          | -             | 33.5                            | 29.1         | 30.3         | 29.4          | -             |
| 3641                | Electric lamps.....                           | 91.1          | 92.1         | 92.3         | 90.4          | -             | 63.7                            | 64.1         | 64.1         | 62.1          | -             |
| 3643                | Current-carrying wiring devices.....          | 25.7          | 25.4         | 23.2         | 21.8          | -             | 18.7                            | 18.5         | 16.5         | 15.3          | -             |
| 3644                | Noncurrent-carrying wiring devices.....       | 26.4          | 26.8         | 21.7         | 21.3          | -             | 20.4                            | 20.9         | 16.1         | 15.9          | -             |
| 3645                | Residential lighting fixtures.....            | 112.2         | 112.9        | 107.2        | 102.6         | -             | 83.5                            | 84.2         | 77.8         | 73.1          | -             |
| 365                 | Radio and TV receiving equipment.....         | 85.4          | 86.2         | 83.7         | 80.1          | -             | 62.1                            | 62.8         | 58.9         | 55.4          | -             |
| 3651                | Radio and TV receiving sets.....              | 528.5         | 528.0        | 551.6        | 552.3         | -             | 265.0                           | 265.0        | 273.0        | 272.5         | -             |
| 366                 | Communication equipment.....                  | 170.5         | 171.1        | 174.3        | 172.6         | -             | 119.3                           | 119.9        | 118.9        | 117.6         | -             |
| 3661                | Telephone and telegraph apparatus.....        | 358.0         | 356.9        | 377.3        | 379.7         | -             | 145.7                           | 145.1        | 154.1        | 154.9         | -             |
| 3662                | Radio and TV communication equipment.....     | 529.9         | 533.4        | 562.9        | 555.2         | -             | 330.5                           | 333.9        | 340.4        | 330.3         | -             |
| 367                 | Electronic components and accessories.....    | 43.8          | 43.5         | 45.6         | 45.9          | -             | 28.0                            | 27.6         | 28.7         | 28.8          | -             |
| 3671-3              | Electronic tubes.....                         | 202.3         | 202.5        | 223.9        | 224.3         | -             | 93.6                            | 94.0         | 99.6         | 98.0          | -             |
| 3674                | Semiconductors and related devices.....       | 207.2         | 210.2        | 216.1        | 212.0         | -             | 146.7                           | 149.7        | 150.8        | 146.3         | -             |
| 3679                | Electronic components, nec.....               | 172.4         | 173.2        | 158.2        | 153.7         | -             | 125.4                           | 126.1        | 111.6        | 107.3         | -             |
| 369                 | Misc. electrical equipment and supplies.....  | 29.1          | 32.0         | 29.8         | 27.6          | -             | 22.6                            | 25.5         | 22.9         | 21.0          | -             |
| 3691                | Storage batteries.....                        | 86.7          | 84.2         | 70.4         | 68.8          | -             | 66.4                            | 63.6         | 51.7         | 50.2          | -             |
| 3694                | Engine electrical equipment.....              |               |              |              |               |               |                                 |              |              |               |               |
| 37                  | <b>TRANSPORTATION EQUIPMENT</b>               | 981.3         | 880.9        | 742.4        | 703.9         | -             | 748.3                           | 648.8        | 534.7        | 499.2         | -             |
| 371                 | Motor vehicles and equipment.....             | 454.3         | 379.0        | 347.8        | 336.9         | -             | 328.2                           | 253.2        | 237.3        | 228.6         | -             |
| 3711                | Motor vehicles and car bodies.....            | 47.2          | 40.3         | 35.1         | 36.0          | -             | 37.6                            | 30.7         | 26.6         | 27.7          | -             |
| 3713                | Truck and bus bodies.....                     | 439.1         | 421.7        | 328.9        | 301.8         | -             | 350.7                           | 333.8        | 248.6        | 221.9         | -             |
| 3714                | Motor vehicle parts and accessories.....      | 40.7          | 39.9         | 30.6         | 29.2          | -             | 31.8                            | 31.1         | 22.2         | 21.0          | -             |
| 3715,6              | Truck trailers and motor homes.....           | 613.0         | 613.3        | 653.5        | 651.0         | -             | 331.8                           | 329.8        | 355.1        | 349.8         | -             |
| 372                 | Aircraft and parts.....                       | 334.8         | 337.5        | 350.1        | 350.5         | -             | 165.5                           | 167.0        | 172.1        | 170.8         | -             |
| 3721                | Aircraft.....                                 | 152.0         | 150.0        | 163.2        | 161.2         | -             | 86.3                            | 83.6         | 94.0         | 91.8          | -             |
| 3724                | Aircraft engines and engine parts.....        | 126.2         | 125.8        | 140.2        | 139.3         | -             | 80.0                            | 79.2         | 89.0         | 87.2          | -             |
| 3728                | Aircraft equipment, nec.....                  | 223.0         | 223.2        | 207.9        | 208.9         | -             | 179.7                           | 178.3        | 164.6        | 164.2         | -             |
| 373                 | Ship and boat building and repairing.....     | 171.8         | 174.5        | 168.1        | 168.8         | -             | 137.9                           | 138.9        | 132.3        | 131.9         | -             |
| 3731                | Ship building and repairing.....              | 51.2          | 48.7         | 39.8         | 40.1          | -             | 41.8                            | 39.4         | 32.3         | 32.3          | -             |
| 3732                | Boat building and repairing.....              | 73.8          | 73.7         | 70.5         | 65.3          | -             | 56.5                            | 56.6         | 53.5         | 48.3          | -             |
| 374                 | Railroad equipment.....                       | 102.4         | 103.2        | 111.7        | 112.8         | -             | 33.1                            | 33.2         | 35.6         | 35.1          | -             |
| 376                 | Guided missiles, space vehicles, parts.....   | 81.4          | 82.0         | 88.5         | 90.1          | -             | 24.1                            | 24.3         | 26.6         | 26.7          | -             |
| 3761                | Guided missiles and space vehicles.....       |               |              |              |               |               |                                 |              |              |               |               |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry  | All employees |              |              |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>TRANSPORTATION EQUIPMENT—Continued</b>               |               |              |              |               |               |                                 |              |              |               |               |
| 379                 | Miscellaneous transportation equipment .....            | 49.7          | 50.8         | 41.1         | 43.0          | -             | 35.0                            | 36.1         | 26.2         | 28.9          | -             |
| 3792                | Travel trailers and campers .....                       | 28.6          | 28.9         | 19.9         | 21.2          | -             | 21.1                            | 21.2         | 13.7         | 15.6          | -             |
| 38                  | <b>INSTRUMENTS AND RELATED PRODUCTS</b> .....           | 691.2         | 693.7        | 702.9        | 697.9         | 695.9         | 418.9                           | 420.3        | 420.0        | 413.1         | 414.3         |
| 381                 | Engineering and scientific instruments .....            | 73.6          | 74.4         | 78.1         | 78.9          | -             | 36.6                            | 36.9         | 37.8         | 37.9          | -             |
| 382                 | Measuring and controlling devices .....                 | 235.8         | 237.0        | 238.6        | 235.7         | -             | 150.5                           | 150.7        | 148.7        | 144.9         | -             |
| 3822                | Environmental controls .....                            | 48.8          | 49.4         | 44.7         | 41.7          | -             | 34.0                            | 34.4         | 30.2         | 27.7          | -             |
| 3823                | Process control instruments .....                       | 51.0          | 49.6         | 54.0         | 54.2          | -             | 26.8                            | 25.1         | 28.7         | 28.8          | -             |
| 3825                | Instruments to measure electricity .....                | 95.2          | 97.6         | 99.4         | 99.9          | -             | 60.2                            | 62.0         | 60.9         | 60.2          | -             |
| 383                 | Optical instruments and lenses .....                    | 32.3          | 32.6         | 35.2         | 34.8          | -             | 17.8                            | 18.2         | 19.6         | 19.3          | -             |
| 384                 | Medical instruments and supplies .....                  | 139.8         | 140.1        | 146.0        | 145.7         | -             | 91.4                            | 90.8         | 94.8         | 94.6          | -             |
| 3841                | Surgical and medical instruments .....                  | 59.4          | 60.2         | 63.7         | 64.2          | -             | 38.5                            | 38.5         | 41.4         | 42.2          | -             |
| 3842                | Surgical appliances and supplies .....                  | 63.0          | 62.8         | 65.6         | 64.9          | -             | 41.5                            | 41.2         | 42.8         | 41.9          | -             |
| 385                 | Ophthalmic goods .....                                  | 45.0          | 45.9         | 47.1         | 45.4          | -             | 32.8                            | 33.6         | 33.9         | 32.3          | -             |
| 386                 | Photographic equipment and supplies .....               | 137.4         | 135.5        | 135.3        | 136.1         | -             | 69.0                            | 68.3         | 67.9         | 68.1          | -             |
| 387                 | Watches, clocks, and watchcases .....                   | 27.3          | 28.2         | 22.6         | 21.3          | -             | 20.8                            | 21.8         | 17.3         | 16.0          | -             |
| 39                  | <b>MISCELLANEOUS MANUFACTURING<br/>INDUSTRIES</b> ..... | 433.2         | 454.5        | 420.1        | 403.9         | 419.4         | 328.7                           | 348.8        | 314.7        | 299.2         | 315.5         |
| 391                 | Jewelry, silverware, and plated ware .....              | 58.4          | 60.8         | 54.8         | 51.9          | -             | 42.1                            | 44.2         | 39.2         | 36.6          | -             |
| 3911                | Jewelry, precious metal .....                           | 38.0          | 39.6         | 34.9         | 34.0          | -             | 27.3                            | 28.6         | 24.7         | 24.0          | -             |
| 393                 | Musical instruments .....                               | 22.7          | 23.5         | 19.8         | 20.1          | -             | 18.4                            | 19.2         | 15.6         | 15.8          | -             |
| 394                 | Toys and sporting goods .....                           | 119.6         | 128.6        | 117.0        | 112.9         | -             | 91.8                            | 100.0        | 87.8         | 84.1          | -             |
| 3942, 4             | Dolls, games, toys, and children's vehicles .....       | 57.6          | 65.7         | 58.8         | 56.7          | -             | 43.0                            | 50.4         | 43.8         | 42.0          | -             |
| 3949                | Sporting and athletic goods, nec .....                  | 62.0          | 62.9         | 58.2         | 56.2          | -             | 48.8                            | 49.6         | 44.0         | 42.1          | -             |
| 395                 | Pens, pencils, office and art supplies .....            | 38.9          | 39.0         | 39.9         | 39.2          | -             | 28.0                            | 28.1         | 28.3         | 27.4          | -             |
| 396                 | Costume jewelry and notions .....                       | 52.4          | 58.9         | 53.1         | 47.0          | -             | 41.8                            | 47.6         | 42.3         | 36.7          | -             |
| 3961                | Costume jewelry .....                                   | 26.7          | 32.7         | 27.6         | 22.9          | -             | 21.2                            | 26.7         | 21.6         | 17.3          | -             |
| 399                 | Miscellaneous manufactures .....                        | 141.2         | 143.7        | 135.5        | 132.8         | -             | 106.6                           | 109.7        | 101.5        | 98.6          | -             |
| 3993                | Signs and advertising displays .....                    | 48.1          | 48.5         | 46.1         | 45.7          | -             | 34.9                            | 35.5         | 33.2         | 32.8          | -             |
|                     | <b>NONDURABLE GOODS</b>                                 |               |              |              |               |               |                                 |              |              |               |               |
| 20                  | <b>FOOD AND KINDRED PRODUCTS</b> .....                  | 1,749.5       | 1,828.8      | 1,676.8      | 1,711.7       | 1,783.6       | 1,203.2                         | 1,280.7      | 1,138.8      | 1,171.3       | 1,242.5       |
| 201                 | Meat products .....                                     | 365.7         | 365.2        | 365.5        | 364.9         | -             | 305.5                           | 305.1        | 305.0        | 304.9         | -             |
| 2011                | Meat packing plants .....                               | 162.5         | 163.2        | 162.7        | 162.1         | -             | 132.2                           | 133.0        | 133.1        | 132.7         | -             |
| 2013                | Sausages and other prepared meats .....                 | 69.7          | 69.4         | 69.4         | 69.7          | -             | 51.5                            | 51.1         | 50.9         | 51.6          | -             |
| 2016                | Poultry dressing plants .....                           | 118.1         | 117.4        | 118.9        | 118.5         | -             | 108.5                           | 107.8        | 108.7        | 108.2         | -             |
| 202                 | Dairy products .....                                    | 185.7         | 185.0        | 181.1        | 181.5         | -             | 100.8                           | 100.3        | 99.1         | 100.4         | -             |
| 2022                | Cheese, natural and processed .....                     | 34.3          | 34.5         | 34.2         | 34.1          | -             | 26.8                            | 26.9         | 26.6         | 26.3          | -             |
| 2026                | Fluid milk .....  | 111.8         | 111.2        | 109.0        | 109.0         | -             | 48.7                            | 48.6         | 48.4         | 49.1          | -             |
| 203                 | Preserved fruits and vegetables .....                   | 266.0         | 335.1        | 213.2        | 244.5         | -             | 218.8                           | 285.9        | 171.3        | 199.9         | -             |
| 2032                | Canned specialties .....                                | 24.1          | 25.6         | 22.6         | 22.9          | -             | 16.4                            | 18.1         | 16.5         | 16.4          | -             |
| 2033                | Canned fruits and vegetables .....                      | 112.4         | 175.2        | 76.7         | 110.7         | -             | 94.0                            | 155.5        | 59.9         | 92.3          | -             |
| 2037                | Frozen fruits and vegetables .....                      | 49.3          | 52.3         | 43.4         | 39.0          | -             | 43.1                            | 45.2         | 37.6         | 33.0          | -             |
| 204                 | Grain mill products .....                               | 143.9         | 144.1        | 140.8        | 140.2         | -             | 99.2                            | 100.5        | 95.6         | 95.5          | -             |
| 2041                | Flour and other grain mill products .....               | 25.3          | 25.2         | 24.2         | 24.6          | -             | 15.8                            | 15.8         | 14.0         | 14.8          | -             |
| 2048                | Prepared feeds, nec .....                               | 59.3          | 58.8         | 58.3         | 57.6          | -             | 39.5                            | 39.5         | 37.9         | 37.3          | -             |
| 205                 | Bakery products .....                                   | 233.2         | 233.4        | 231.6        | 232.3         | -             | 136.8                           | 136.8        | 134.9        | 135.4         | -             |
| 2051                | Bread, cake, and related products .....                 | 189.7         | 189.4        | 188.9        | 188.8         | -             | 102.9                           | 102.6        | 101.9        | 101.7         | -             |
| 2052                | Cookies and crackers .....                              | 43.5          | 44.0         | 42.7         | 43.5          | -             | 33.9                            | 34.2         | 33.0         | 33.7          | -             |
| 206                 | Sugar and confectionery products .....                  | 99.4          | 106.6        | 94.1         | 92.7          | -             | 73.1                            | 80.1         | 68.9         | 67.9          | -             |
| 2061-3              | Cane and beet sugar .....                               | 25.2          | 26.0         | 23.6         | 23.1          | -             | 17.3                            | 18.0         | 16.2         | 15.8          | -             |
| 2065                | Confectionery products .....                            | 53.3          | 59.3         | 50.5         | 48.5          | -             | 40.9                            | 46.8         | 38.9         | 37.3          | -             |
| 207                 | Fats and oils .....                                     | 42.8          | 42.8         | 42.6         | 42.5          | -             | 30.7                            | 30.8         | 30.8         | 30.8          | -             |
| 208                 | Beverages .....   | 242.9         | 244.0        | 240.3        | 241.1         | -             | 112.8                           | 112.8        | 108.0        | 107.9         | -             |
| 2082                | Malt beverages .....                                    | 53.7          | 53.3         | 53.5         | 54.0          | -             | 37.4                            | 36.6         | 35.5         | 35.6          | -             |
| 2086                | Bottled and canned soft drinks .....                    | 145.1         | 145.7        | 146.1        | 148.0         | -             | 50.9                            | 50.8         | 49.7         | 50.8          | -             |
| 209                 | Misc. foods and kindred products .....                  | 169.9         | 172.6        | 167.6        | 172.0         | -             | 125.5                           | 128.4        | 125.2        | 128.6         | -             |
| 21                  | <b>TOBACCO MANUFACTURES</b> .....                       | 65.0          | 73.8         | 64.6         | 62.5          | 70.4          | 50.8                            | 58.9         | 49.0         | 48.3          | 55.5          |
| 211                 | Cigarettes .....  | 45.9          | 45.6         | 45.7         | 44.9          | -             | 35.9                            | 35.4         | 34.5         | 34.9          | -             |
| 22                  | <b>TEXTILE MILL PRODUCTS</b> .....                      | 872.3         | 886.8        | 853.2        | 819.5         | 854.1         | 759.5                           | 772.4        | 740.7        | 709.3         | 743.0         |
| 221                 | Weaving mills, cotton .....                             | 149.6         | 151.0        | 152.0        | 145.9         | -             | 134.7                           | 135.7        | 136.8        | 130.7         | -             |
| 222                 | Weaving mills, synthetics .....                         | 120.5         | 121.9        | 107.7        | 112.6         | -             | 107.8                           | 109.3        | 95.8         | 100.4         | -             |
| 223                 | Weaving and finishing mills, wool .....                 | 19.0          | 19.8         | 19.1         | 16.3          | -             | 15.7                            | 16.5         | 15.5         | 12.9          | -             |
| 224                 | Narrow fabric mills .....                               | 23.2          | 25.2         | 24.3         | 20.9          | -             | 20.3                            | 22.0         | 21.2         | 17.9          | -             |
| 225                 | Knitting mills .....                                    | 225.6         | 231.7        | 232.0        | 222.6         | -             | 195.5                           | 200.5        | 201.7        | 193.0         | -             |
| 2261                | Women's hosiery, except socks .....                     | 31.1          | 31.5         | 31.2         | 30.3          | -             | 27.9                            | 28.2         | 28.3         | 27.4          | -             |
| 2262                | Hosiery, nec .....                                      | 33.4          | 33.5         | 33.4         | 31.7          | -             | 30.4                            | 30.6         | 30.4         | 28.8          | -             |
| 2263                | Knit outerwear mills .....                              | 70.1          | 74.8         | 77.1         | 74.0          | -             | 60.4                            | 64.4         | 66.3         | 63.4          | -             |
| 2264                | Knit underwear mills .....                              | 30.9          | 32.2         | 32.4         | 31.7          | -             | 26.6                            | 27.7         | 28.0         | 27.3          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

(In thousands)

| 1972<br>SIC<br>Code | Industry  | All employees  |                |                |                |                | Production workers <sup>1</sup> |                |                |                |                |
|---------------------|---|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|----------------|
|                     |   | July<br>1979   | Aug.<br>1979   | June<br>1980   | July<br>1980P  | Aug.<br>1980P  | July<br>1979                    | Aug.<br>1979   | June<br>1980   | July<br>1980P  | Aug.<br>1980P  |
|                     | <b>TEXTILE MILL PRODUCTS—Continued</b>            |                |                |                |                |                |                                 |                |                |                |                |
| 2257                | Circular knit fabric mills                        | 34.1           | 33.4           | 32.1           | 29.9           | -              | 28.3                            | 27.6           | 27.1           | 25.2           | -              |
| 226                 | Textile finishing, except wool                    | 75.7           | 76.3           | 74.8           | 69.1           | -              | 63.5                            | 64.2           | 63.0           | 57.5           | -              |
| 2261                | Finishing plants, cotton                          | 30.1           | 30.4           | 29.8           | 27.9           | -              | 25.1                            | 25.3           | 24.9           | 23.0           | -              |
| 2262                | Finishing plants, synthetics                      | 29.5           | 29.6           | 29.3           | 26.6           | -              | 24.8                            | 25.0           | 24.7           | 22.0           | -              |
| 227                 | Floor covering mills                              | 60.2           | 60.0           | 52.0           | 50.3           | -              | 49.1                            | 48.8           | 42.1           | 41.0           | -              |
| 228                 | Yarn and thread mills                             | 128.9          | 132.8          | 129.0          | 123.0          | -              | 117.0                           | 120.9          | 116.1          | 110.5          | -              |
| 2281                | Yarn mills, except wool                           | 84.9           | 87.3           | 87.1           | 83.4           | -              | 78.3                            | 80.9           | 80.1           | 76.4           | -              |
| 2282                | Throwing and winding mills                        | 25.0           | 25.8           | 23.0           | 22.3           | -              | 22.1                            | 22.9           | 19.9           | 19.4           | -              |
| 229                 | Miscellaneous textile goods                       | 69.6           | 68.1           | 62.3           | 58.8           | -              | 55.9                            | 54.5           | 48.5           | 45.4           | -              |
| 23                  | <b>APPAREL AND OTHER TEXTILE PRODUCTS</b>         | <b>1,276.0</b> | <b>1,308.1</b> | <b>1,310.5</b> | <b>1,234.9</b> | <b>1,307.7</b> | <b>1,088.4</b>                  | <b>1,118.3</b> | <b>1,120.4</b> | <b>1,048.8</b> | <b>1,116.1</b> |
| 231                 | Men's and boys' suits and coats                   | 80.7           | 81.1           | 81.0           | 76.1           | -              | 69.1                            | 69.8           | 70.9           | 65.8           | -              |
| 232                 | Men's and boys' furnishings                       | 356.9          | 369.7          | 381.3          | 360.5          | -              | 306.8                           | 318.0          | 326.7          | 307.5          | -              |
| 2321                | Men's and boys' shirts and nightwear              | 99.9           | 105.0          | 105.3          | 98.5           | -              | 87.3                            | 91.8           | 91.5           | 85.1           | -              |
| 2327                | Men's and boys' separate trousers                 | 77.0           | 79.1           | 80.7           | 76.3           | -              | 66.7                            | 68.7           | 70.6           | 66.4           | -              |
| 2328                | Men's and boys' work clothing                     | 100.0          | 103.0          | 110.6          | 104.7          | -              | 84.2                            | 86.5           | 92.2           | 86.5           | -              |
| 233                 | Women's and misses' outerwear                     | 422.4          | 434.2          | 441.1          | 414.1          | -              | 363.0                           | 374.6          | 381.4          | 356.3          | -              |
| 2331                | Women's and misses' blouses and waists            | 61.8           | 62.7           | 63.5           | 59.2           | -              | 53.8                            | 54.6           | 55.4           | 51.2           | -              |
| 2335                | Women's and misses' dresses                       | 154.2          | 158.5          | 154.4          | 144.2          | -              | 136.8                           | 141.4          | 137.0          | 126.9          | -              |
| 2337                | Women's and misses' suits and coats               | 63.4           | 66.7           | 67.5           | 63.2           | -              | 54.6                            | 57.7           | 59.2           | 55.7           | -              |
| 2339                | Women's and misses' outerwear, nec.               | 143.0          | 146.3          | 155.7          | 147.5          | -              | 117.8                           | 120.9          | 129.8          | 122.5          | -              |
| 234                 | Women's and children's undergarments              | 87.8           | 93.4           | 90.0           | 86.5           | -              | 73.8                            | 79.2           | 76.4           | 72.9           | -              |
| 2341                | Women's and children's underwear                  | 70.0           | 74.5           | 72.4           | 69.7           | -              | 59.8                            | 64.1           | 62.7           | 60.0           | -              |
| 2342                | Brassieres and allied garments                    | 17.8           | 18.9           | 17.6           | 16.8           | -              | 14.0                            | 15.1           | 13.7           | 12.9           | -              |
| 236                 | Children's outerwear                              | 65.6           | 64.9           | 65.4           | 62.1           | -              | 56.7                            | 55.9           | 56.3           | 53.1           | -              |
| 2361                | Children's dresses and blouses                    | 27.1           | 25.7           | 25.5           | 24.2           | -              | 24.5                            | 23.0           | 23.1           | 21.7           | -              |
| 238                 | Misc. apparel and accessories                     | 55.9           | 58.7           | 57.7           | 53.4           | -              | 47.8                            | 50.4           | 49.1           | 45.2           | -              |
| 239                 | Misc. fabricated textile products                 | 186.1          | 186.0          | 173.8          | 161.9          | -              | 153.5                           | 153.3          | 142.0          | 130.5          | -              |
| 2391                | Curtains and draperies                            | 27.4           | 29.4           | 27.8           | 25.7           | -              | 23.5                            | 25.5           | 23.4           | 21.3           | -              |
| 2392                | House furnishings, nec.                           | 52.1           | 53.0           | 51.0           | 48.7           | -              | 42.7                            | 43.9           | 42.0           | 40.2           | -              |
| 2396                | Automotive and apparel trimmings                  | 33.8           | 32.1           | 26.2           | 20.7           | -              | 27.9                            | 26.0           | 20.8           | 15.0           | -              |
| 26                  | <b>PAPER AND ALLIED PRODUCTS</b>                  | <b>711.8</b>   | <b>715.6</b>   | <b>695.0</b>   | <b>682.3</b>   | <b>689.2</b>   | <b>541.3</b>                    | <b>544.1</b>   | <b>524.5</b>   | <b>511.2</b>   | <b>518.7</b>   |
| 261, 2, 6           | Paper and pulp mills                              | 211.2          | 211.4          | 206.0          | 206.5          | -              | 159.1                           | 159.1          | 154.1          | 153.9          | -              |
| 262                 | Paper mills, except building paper                | 181.4          | 181.7          | 178.3          | 179.0          | -              | 135.2                           | 135.3          | 132.0          | 132.1          | -              |
| 263                 | Paperboard mills                                  | 65.8           | 66.2           | 64.8           | 63.4           | -              | 52.3                            | 52.5           | 51.0           | 49.2           | -              |
| 264                 | Misc. converted paper products                    | 221.3          | 223.7          | 216.6          | 211.1          | -              | 164.6                           | 167.0          | 160.5          | 155.2          | -              |
| 2641                | Paper coating and glazing                         | 58.8           | 59.7           | 56.9           | 56.3           | -              | 37.9                            | 39.3           | 37.0           | 36.2           | -              |
| 2642                | Envelopes   | 23.9           | 24.5           | 25.1           | 23.9           | -              | 18.9                            | 19.5           | 19.9           | 18.6           | -              |
| 2643                | Bags, except textile bags                         | 50.4           | 50.9           | 48.6           | 46.7           | -              | 39.3                            | 39.5           | 37.7           | 35.7           | -              |
| 265                 | Paperboard containers and boxes                   | 213.5          | 214.3          | 207.6          | 201.3          | -              | 165.3                           | 165.5          | 158.9          | 152.9          | -              |
| 2651                | Folding paperboard boxes                          | 45.0           | 45.1           | 44.4           | 43.5           | -              | 35.8                            | 35.9           | 35.1           | 34.1           | -              |
| 2653                | Corrugated and solid fiber boxes                  | 110.3          | 110.6          | 105.4          | 102.3          | -              | 81.9                            | 82.1           | 77.0           | 74.3           | -              |
| 2654                | Sanitary food containers                          | 26.8           | 26.7           | 26.5           | 25.9           | -              | 22.5                            | 22.0           | 21.7           | 21.2           | -              |
| 27                  | <b>PRINTING AND PUBLISHING</b>                    | <b>1,242.3</b> | <b>1,242.5</b> | <b>1,271.3</b> | <b>1,263.4</b> | <b>1,262.0</b> | <b>700.1</b>                    | <b>701.5</b>   | <b>711.7</b>   | <b>702.5</b>   | <b>704.5</b>   |
| 271                 | Newspapers  | 424.9          | 424.0          | 433.7          | 431.6          | -              | 168.7                           | 168.9          | 168.3          | 165.8          | -              |
| 272                 | Periodicals                                       | 80.5           | 81.0           | 82.3           | 83.4           | -              | 13.6                            | 13.8           | 15.5           | 15.5           | -              |
| 273                 | Books   | 103.2          | 102.5          | 106.3          | 103.8          | -              | 54.4                            | 53.0           | 55.8           | 53.2           | -              |
| 2731                | Book publishing                                   | 70.9           | 70.5           | 72.8           | 72.4           | -              | 27.1                            | 26.0           | 27.8           | 27.2           | -              |
| 2732                | Book printing                                     | 32.3           | 32.0           | 33.5           | 31.4           | -              | 27.3                            | 27.0           | 28.0           | 26.0           | -              |
| 274                 | Miscellaneous publishing                          | 45.9           | 46.1           | 47.5           | 47.7           | -              | 27.4                            | 27.6           | 25.7           | 25.3           | -              |
| 275                 | Commercial printing                               | 407.5          | 408.4          | 422.1          | 418.4          | -              | 301.6                           | 303.5          | 312.6          | 309.2          | -              |
| 2751                | Commercial printing, letterpress                  | 166.6          | 165.8          | 167.4          | 166.7          | -              | 123.0                           | 122.6          | 123.6          | 123.2          | -              |
| 2752                | Commercial printing, lithographic                 | 219.0          | 219.9          | 231.3          | 228.3          | -              | 160.4                           | 162.0          | 169.9          | 167.0          | -              |
| 276                 | Manifold business forms                           | 47.0           | 47.0           | 47.0           | 46.4           | -              | 33.2                            | 33.1           | 33.3           | 32.9           | -              |
| 278                 | Blankbooks and bookbinding                        | 65.5           | 65.6           | 63.8           | 63.5           | -              | 54.2                            | 54.5           | 52.3           | 52.0           | -              |
| 279                 | Printing trade services                           | 43.1           | 43.1           | 45.0           | 44.4           | -              | 31.9                            | 32.0           | 33.4           | 33.0           | -              |
| 28                  | <b>CHEMICALS AND ALLIED PRODUCTS</b>              | <b>1,120.9</b> | <b>1,119.0</b> | <b>1,122.2</b> | <b>1,109.8</b> | <b>1,105.3</b> | <b>637.3</b>                    | <b>635.9</b>   | <b>632.8</b>   | <b>617.6</b>   | <b>618.0</b>   |
| 281                 | Industrial inorganic chemicals                    | 163.6          | 163.9          | 167.8          | 166.2          | -              | 87.9                            | 87.9           | 90.8           | 88.2           | -              |
| 2819                | Industrial inorganic chemicals, nec.              | 107.2          | 106.2          | 109.7          | 109.0          | -              | 57.6                            | 56.6           | 60.8           | 59.3           | -              |
| 282                 | Plastics materials and synthetics                 | 214.0          | 212.9          | 203.8          | 199.4          | -              | 144.5                           | 143.8          | 134.4          | 129.9          | -              |
| 2821                | Plastics materials and resins                     | 87.9           | 87.3           | 85.0           | 83.0           | -              | 53.7                            | 53.4           | 50.2           | 48.3           | -              |
| 2824                | Organic fibers, noncellulosic                     | 97.5           | 96.7           | 91.9           | 90.1           | -              | 70.1                            | 69.6           | 64.9           | 62.8           | -              |
| 283                 | Drugs   | 195.8          | 195.0          | 201.9          | 200.8          | -              | 97.1                            | 96.4           | 99.5           | 97.6           | -              |
| 2834                | Pharmaceutical preparations                       | 155.8          | 155.2          | 160.4          | 159.9          | -              | 74.5                            | 74.1           | 76.6           | 75.3           | -              |
| 284                 | Soap, cleaners, and toilet goods                  | 140.0          | 140.0          | 138.1          | 137.6          | -              | 84.2                            | 84.3           | 84.3           | 83.6           | -              |
| 2841                | Soap and other detergents                         | 41.3           | 41.1           | 41.1           | 40.2           | -              | 26.5                            | 26.3           | 26.5           | 25.3           | -              |
| 2844                | Toilet preparations                               | 58.3           | 58.8           | 57.2           | 57.5           | -              | 35.6                            | 36.3           | 36.2           | 36.7           | -              |
| 2842, 3             | Polishing, sanitation, and finishing preparations | 40.4           | 40.1           | 39.8           | 39.9           | -              | 22.1                            | 21.7           | 21.6           | 21.6           | -              |
| 285                 | Paints and allied products                        | 70.8           | 70.7           | 67.2           | 66.4           | -              | 37.2                            | 37.1           | 34.2           | 33.3           | -              |
| 286                 | Industrial organic chemicals                      | 173.3          | 173.3          | 174.9          | 174.4          | -              | 89.7                            | 89.8           | 89.3           | 87.9           | -              |

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

(In thousands)

| 1972<br>SIC<br>Code | Industry   | All employees  |                |                |                |               | Production workers <sup>1</sup> |                |                |                |               |
|---------------------|--|----------------|----------------|----------------|----------------|---------------|---------------------------------|----------------|----------------|----------------|---------------|
|                     |  | July<br>1979   | Aug.<br>1979   | June<br>1980   | July<br>1980P  | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979   | June<br>1980   | July<br>1980P  | Aug.<br>1980P |
|                     | <b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>                        |                |                |                |                |               |                                 |                |                |                |               |
| 2865                | Cyclic crudes and intermediates.....                               | 37.6           | 37.8           | 37.4           | 36.5           | -             | 23.7                            | 23.7           | 23.3           | 22.4           | -             |
| 2861,9              | Gum, wood, and industrial organic chemicals,<br>nec.....           | 135.7          | 135.5          | 137.5          | 137.9          | -             | 66.0                            | 66.1           | 66.0           | 65.5           | -             |
| 287                 | Agricultural chemicals.....  | 69.4           | 69.2           | 73.4           | 70.5           | -             | 43.9                            | 43.7           | 46.4           | 44.0           | -             |
| 289                 | Miscellaneous chemical products.....                               | 94.0           | 94.0           | 95.1           | 94.5           | -             | 52.8                            | 52.9           | 53.9           | 53.1           | -             |
|                     | <b>PETROLEUM AND COAL PRODUCTS.....</b>                            | <b>213.9</b>   | <b>214.1</b>   | <b>209.1</b>   | <b>211.0</b>   | <b>211.4</b>  | <b>140.5</b>                    | <b>140.5</b>   | <b>134.9</b>   | <b>137.3</b>   | <b>138.5</b>  |
| 291                 | Petroleum refining.....  | 167.5          | 167.4          | 165.9          | 167.8          | -             | 105.8                           | 105.7          | 104.0          | 106.4          | -             |
| 295                 | Paving and roofing materials.....                                  | 34.0           | 34.3           | 30.3           | 30.5           | -             | 26.9                            | 27.0           | 22.7           | 22.9           | -             |
|                     | <b>RUBBER AND MISC. PLASTICS PRODUCTS.....</b>                     | <b>776.0</b>   | <b>774.1</b>   | <b>688.5</b>   | <b>659.5</b>   | <b>682.7</b>  | <b>605.8</b>                    | <b>603.7</b>   | <b>525.4</b>   | <b>499.5</b>   | <b>524.5</b>  |
| 301                 | Tires and inner tubes.....   | 120.6          | 119.4          | 100.9          | 95.2           | -             | 86.1                            | 85.3           | 70.0           | 66.3           | -             |
| 302                 | Rubber and plastic footwear.....                                   | 21.7           | 22.3           | 22.7           | 20.4           | -             | 18.9                            | 19.5           | 20.1           | 18.2           | -             |
| 303,4               | Reclaimed rubber, and rubber and plastics hose<br>and belting..... | 24.8           | 24.6           | 21.0           | 18.4           | -             | 18.7                            | 18.4           | 14.3           | 12.2           | -             |
| 306                 | Fabricated rubber products, nec.....                               | 120.1          | 118.9          | 102.4          | 99.3           | -             | 94.4                            | 93.5           | 78.5           | 75.4           | -             |
| 307                 | Miscellaneous plastics products.....                               | 488.8          | 488.9          | 441.5          | 426.2          | -             | 387.7                           | 387.0          | 342.5          | 327.4          | -             |
|                     | <b>LEATHER AND LEATHER PRODUCTS.....</b>                           | <b>228.8</b>   | <b>250.4</b>   | <b>244.7</b>   | <b>220.9</b>   | <b>243.2</b>  | <b>194.0</b>                    | <b>212.8</b>   | <b>207.4</b>   | <b>184.8</b>   | <b>205.6</b>  |
| 311                 | Leather tanning and finishing.....                                 | 19.4           | 19.8           | 19.1           | 17.7           | -             | 16.2                            | 16.6           | 15.9           | 14.5           | -             |
| 314                 | Footwear, except rubber.....                                       | 135.8          | 152.1          | 157.5          | 140.3          | -             | 116.6                           | 130.3          | 135.3          | 119.2          | -             |
| 3143                | Men's footwear, except athletic.....                               | 53.8           | 57.7           | 58.9           | 50.4           | -             | 46.4                            | 49.8           | 51.0           | 43.0           | -             |
| 3144                | Women's footwear, except athletic.....                             | 51.5           | 62.4           | 64.5           | 57.2           | -             | 44.4                            | 53.2           | 54.8           | 48.2           | -             |
| 316                 | Luggage.....   | 17.6           | 18.1           | 14.5           | 14.3           | -             | 13.8                            | 14.1           | 10.9           | 10.7           | -             |
| 317                 | Handbags and personal leather goods.....                           | 31.8           | 34.3           | 29.7           | 28.6           | -             | 27.2                            | 29.6           | 25.4           | 24.3           | -             |
|                     | <b>TRANSPORTATION AND PUBLIC<br/>UTILITIES.....</b>                | <b>5,187</b>   | <b>5,197</b>   | <b>5,185</b>   | <b>5,141</b>   | <b>5,136</b>  | <b>4,348</b>                    | <b>4,355</b>   | <b>4,329</b>   | <b>4,290</b>   | <b>4,291</b>  |
|                     | <b>RAILROAD TRANSPORTATION.....</b>                                | <b>568.8</b>   | <b>574.0</b>   | <b>537.5</b>   | <b>535.3</b>   | <b>-</b>      | <b>-</b>                        | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>      |
| 4011                | Class 1 railroads <sup>2</sup> .....                               | 513.3          | 518.0          | 485.3          | 483.3          | -             | -                               | -              | -              | -              | -             |
|                     | <b>LOCAL AND INTERURBAN PASSENGER<br/>TRANSIT.....</b>             | <b>225.0</b>   | <b>221.4</b>   | <b>274.7</b>   | <b>230.0</b>   | <b>-</b>      | <b>205.6</b>                    | <b>202.3</b>   | <b>252.8</b>   | <b>209.5</b>   | <b>-</b>      |
| 411                 | Local and suburban transportation.....                             | 76.0           | 76.5           | 81.0           | 80.4           | -             | 70.5                            | 70.9           | 74.0           | 73.0           | -             |
| 412                 | Taxicabs.....  | 59.4           | 58.4           | 58.0           | 56.9           | -             | -                               | -              | -              | -              | -             |
| 413                 | Intercity highway transportation.....                              | 39.5           | 40.3           | 41.9           | 43.4           | -             | 36.6                            | 37.4           | 38.8           | 40.3           | -             |
| 415                 | School buses.....  | 37.6           | 34.6           | 78.4           | 35.7           | -             | -                               | -              | -              | -              | -             |
|                     | <b>TRUCKING AND WAREHOUSING.....</b>                               | <b>1,368.0</b> | <b>1,361.4</b> | <b>1,277.7</b> | <b>1,268.3</b> | <b>-</b>      | <b>1,209.7</b>                  | <b>1,203.5</b> | <b>1,119.6</b> | <b>1,111.0</b> | <b>-</b>      |
| 421,3               | Trucking and trucking terminals.....                               | 1,279.8        | 1,271.6        | 1,190.8        | 1,181.6        | -             | 1,134.0                         | 1,126.5        | 1,046.0        | 1,037.9        | -             |
| 422                 | Public warehousing.....  | 88.2           | 89.8           | 86.9           | 86.7           | -             | 75.7                            | 77.0           | 73.6           | 73.1           | -             |
| 44                  | <b>WATER TRANSPORTATION.....</b>                                   | <b>224.8</b>   | <b>228.1</b>   | <b>222.7</b>   | <b>222.4</b>   | <b>-</b>      | <b>-</b>                        | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>      |
|                     | <b>TRANSPORTATION BY AIR.....</b>                                  | <b>444.9</b>   | <b>449.8</b>   | <b>453.8</b>   | <b>455.6</b>   | <b>-</b>      | <b>-</b>                        | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>      |
| 451,2               | Air transportation.....  | 397.0          | 401.9          | 404.4          | 406.2          | -             | -                               | -              | -              | -              | -             |
| 46                  | <b>PIPE LINES, EXCEPT NATURAL GAS.....</b>                         | <b>20.5</b>    | <b>20.2</b>    | <b>20.5</b>    | <b>20.8</b>    | <b>-</b>      | <b>14.7</b>                     | <b>14.5</b>    | <b>14.8</b>    | <b>15.2</b>    | <b>-</b>      |
| 47                  | <b>TRANSPORTATION SERVICES.....</b>                                | <b>190.1</b>   | <b>191.8</b>   | <b>193.7</b>   | <b>195.4</b>   | <b>-</b>      | <b>-</b>                        | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>      |
|                     | <b>COMMUNICATION.....</b>  | <b>1,321.2</b> | <b>1,326.4</b> | <b>1,363.1</b> | <b>1,364.4</b> | <b>-</b>      | <b>997.0</b>                    | <b>1,000.4</b> | <b>1,015.4</b> | <b>1,018.6</b> | <b>-</b>      |
| 481                 | Telephone communication.....                                       | 1,061.7        | 1,065.3        | 1,085.1        | 1,085.4        | -             | 783.4                           | 785.1          | 787.9          | 790.3          | -             |
| 483                 | Radio and television broadcasting.....                             | 189.5          | 190.9          | 202.7          | 204.0          | -             | 152.1                           | 153.4          | 162.2          | 163.2          | -             |
|                     | <b>ELECTRIC, GAS, AND SANITARY SERVICES.....</b>                   | <b>823.9</b>   | <b>823.9</b>   | <b>841.7</b>   | <b>848.4</b>   | <b>-</b>      | <b>676.4</b>                    | <b>676.8</b>   | <b>689.6</b>   | <b>696.0</b>   | <b>-</b>      |
| 491                 | Electric services.....   | 379.4          | 380.2          | 396.0          | 398.7          | -             | 307.0                           | 307.5          | 320.0          | 323.3          | -             |
| 492                 | Gas production and distribution.....                               | 173.1          | 173.0          | 172.8          | 175.1          | -             | 141.7                           | 142.0          | 142.4          | 144.2          | -             |
| 493                 | Combination utility services.....                                  | 199.1          | 198.4          | 198.2          | 199.4          | -             | 165.0                           | 164.7          | 162.5          | 163.2          | -             |
| 496                 | Sanitary services.....   | 48.4           | 48.4           | 51.4           | 51.6           | -             | 42.9                            | 42.9           | 45.4           | 45.7           | -             |
|                     | <b>WHOLESALE AND RETAIL TRADE.....</b>                             | <b>20,254</b>  | <b>20,296</b>  | <b>20,562</b>  | <b>20,488</b>  | <b>20,545</b> | <b>17,786</b>                   | <b>17,828</b>  | <b>18,030</b>  | <b>17,955</b>  | <b>18,010</b> |
| 50,51               | <b>WHOLESALE TRADE.....</b>  | <b>5,243</b>   | <b>5,243</b>   | <b>5,287</b>   | <b>5,271</b>   | <b>5,278</b>  | <b>4,307</b>                    | <b>4,306</b>   | <b>4,323</b>   | <b>4,310</b>   | <b>4,318</b>  |
| 50                  | <b>WHOLESALE TRADE - DURABLE GOODS.....</b>                        | <b>3,117</b>   | <b>3,117</b>   | <b>3,133</b>   | <b>3,110</b>   | <b>-</b>      | <b>2,560</b>                    | <b>2,559</b>   | <b>2,561</b>   | <b>2,541</b>   | <b>-</b>      |
| 501                 | Motor vehicles and automotive equipment.....                       | 445.2          | 445.8          | 425.8          | 422.4          | -             | 363.6                           | 363.8          | 343.6          | 340.7          | -             |
| 502                 | Furniture and home furnishing.....                                 | 111.6          | 112.3          | 115.7          | 113.7          | -             | 90.7                            | 91.4           | 94.6           | 92.5           | -             |
| 503                 | Lumber and construction materials.....                             | 199.4          | 198.5          | 188.1          | 188.2          | -             | 167.3                           | 166.8          | 154.0          | 154.8          | -             |
| 504                 | Sporting goods, toys, and hobby goods.....                         | 69.3           | 69.3           | 72.4           | 72.1           | -             | 57.0                            | 56.9           | 59.2           | 58.8           | -             |
| 506                 | Metals and minerals, except petroleum.....                         | 154.8          | 154.1          | 151.9          | 150.3          | -             | 126.1                           | 125.6          | 123.0          | 121.1          | -             |
| 506                 | Electrical goods.....  | 404.3          | 404.9          | 410.5          | 407.9          | -             | 330.5                           | 330.6          | 334.3          | 330.8          | -             |
| 507                 | Hardware, plumbing, and heating equipment.....                     | 244.7          | 245.3          | 244.2          | 242.9          | -             | 201.7                           | 201.4          | 200.4          | 199.6          | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

(In thousands)

| 1972<br>SIC<br>Code | Industry                                       | All employees |              |              |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|--|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |  | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>WHOLESALE TRADE-DURABLE GOODS—</b>          |               |              |              |               |               |                                 |              |              |               |               |
|                     | Continued                                      |               |              |              |               |               |                                 |              |              |               |               |
| 508                 | Machinery, equipment, and supplies .....       | 1,278.0       | 1,278.7      | 1,315.6      | 1,307.2       | -             | 1,046.2                         | 1,046.4      | 1,075.9      | 1,069.6       | -             |
| 509                 | Miscellaneous durable goods .....              | 209.2         | 208.4        | 208.3        | 205.0         | -             | 176.8                           | 176.5        | 176.3        | 173.2         | -             |
| 51                  | <b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..     | 2,126         | 2,126        | 2,154        | 2,161         | -             | 1,747                           | 1,747        | 1,762        | 1,769         | -             |
| 511                 | Paper and paper products .....                 | 146.0         | 145.7        | 148.8        | 148.4         | -             | 118.5                           | 118.5        | 121.4        | 121.3         | -             |
| 512                 | Drugs, proprietaries, and sundries .....       | 145.7         | 146.7        | 152.5        | 152.0         | -             | 124.8                           | 125.6        | 128.9        | 128.8         | -             |
| 513                 | Apparel, piece goods, and notions .....        | 171.7         | 172.2        | 177.2        | 178.6         | -             | 136.0                           | 136.8        | 140.6        | 141.6         | -             |
| 514                 | Groceries and related products .....           | 651.9         | 652.2        | 659.4        | 662.7         | -             | 562.0                           | 561.6        | 570.2        | 572.9         | -             |
| 516                 | Chemicals and allied products .....            | 122.9         | 123.0        | 126.9        | 128.3         | -             | 89.6                            | 89.7         | 92.8         | 93.7          | -             |
| 517                 | Petroleum and petroleum products .....         | 227.9         | 226.0        | 235.7        | 237.2         | -             | 167.3                           | 166.1        | 172.8        | 174.7         | -             |
| 518                 | Beer, wine, and distilled beverages .....      | 137.4         | 137.5        | 137.5        | 139.3         | -             | 117.0                           | 117.1        | 115.9        | 117.2         | -             |
| 519                 | Miscellaneous nondurable goods .....           | 383.6         | 383.1        | 389.4        | 387.2         | -             | 317.4                           | 317.1        | 316.7        | 314.4         | -             |
| 52-59               | <b>RETAIL TRADE</b> .....                      | 15,011        | 15,053       | 15,275       | 15,217        | 15,267        | 13,479                          | 13,522       | 13,707       | 13,645        | 13,692        |
| 52                  | <b>BUILDING MATERIALS AND GARDEN</b>           |               |              |              |               |               |                                 |              |              |               |               |
|                     | SUPPLIES .....                                 | 643.3         | 638.2        | 628.9        | 623.2         | -             | 547.4                           | 542.8        | 532.6        | 526.9         | -             |
| 521                 | Lumber and other building materials .....      | 350.6         | 348.9        | 330.6        | 331.0         | -             | 298.8                           | 296.9        | 279.8        | 280.4         | -             |
| 525                 | Hardware stores .....                          | 150.3         | 149.4        | 155.2        | 155.0         | -             | 130.0                           | 129.2        | 133.3        | 132.9         | -             |
| 53                  | <b>GENERAL MERCHANDISE STORES</b> .....        | 2,192.2       | 2,190.7      | 2,149.0      | 2,125.8       | -             | 2,038.5                         | 2,037.3      | 1,996.9      | 1,973.5       | -             |
| 531                 | Department stores .....                        | 1,780.6       | 1,775.0      | 1,742.5      | 1,720.3       | -             | 1,666.5                         | 1,661.3      | 1,631.7      | 1,610.3       | -             |
| 533                 | Variety stores .....                           | 272.9         | 274.9        | 267.3        | 264.1         | -             | 251.4                           | 253.2        | 246.4        | 242.1         | -             |
| 539                 | Misc. general merchandise stores .....         | 138.7         | 140.8        | 139.2        | 141.4         | -             | 120.6                           | 122.8        | 118.8        | 121.1         | -             |
| 54                  | <b>FOOD STORES</b> .....                       | 2,283.5       | 2,282.0      | 2,391.5      | 2,392.2       | -             | 2,106.8                         | 2,107.7      | 2,209.2      | 2,209.1       | -             |
| 541                 | Grocery stores .....                           | 1,996.0       | 1,994.1      | 2,095.2      | 2,102.2       | -             | 1,844.1                         | 1,844.4      | 1,939.4      | 1,946.1       | -             |
| 542                 | Meat markets and freezer provisioners .....    | 52.0          | 51.8         | 52.7         | 50.9          | -             | -                               | -            | -            | -             | -             |
| 546                 | Retail bakeries .....                          | 126.6         | 125.1        | 129.3        | 127.9         | -             | 116.3                           | 114.9        | 119.0        | 116.7         | -             |
| 55                  | <b>AUTOMOTIVE DEALERS AND SERVICE</b>          |               |              |              |               |               |                                 |              |              |               |               |
|                     | STATIONS .....                                 | 1,802.6       | 1,804.7      | 1,737.4      | 1,732.8       | -             | 1,534.9                         | 1,536.9      | 1,472.0      | 1,467.8       | -             |
| 551.2               | New and used car dealers .....                 | 885.6         | 880.2        | 795.7        | 792.2         | -             | 736.0                           | 730.8        | 652.5        | 650.7         | -             |
| 553                 | Auto and home supply stores .....              | 274.6         | 273.1        | 269.4        | 268.8         | -             | 240.6                           | 238.3        | 233.3        | 232.2         | -             |
| 554                 | Gasoline service stations .....                | 546.7         | 555.9        | 576.1        | 576.6         | -             | 476.3                           | 485.6        | 501.4        | 501.2         | -             |
| 56                  | <b>APPAREL AND ACCESSORY STORES</b> .....      | 918.8         | 926.1        | 944.5        | 934.5         | -             | 790.7                           | 797.5        | 807.4        | 799.6         | -             |
| 561                 | Men's and boys' clothing and furnishings ..... | 137.5         | 135.3        | 137.0        | 133.6         | -             | 117.1                           | 114.9        | 116.1        | 112.9         | -             |
| 562                 | Women's ready-to-wear stores .....             | 342.9         | 344.0        | 349.3        | 347.3         | -             | 297.5                           | 298.6        | 301.4        | 300.6         | -             |
| 565                 | Family clothing stores .....                   | 169.8         | 173.7        | 181.1        | 180.7         | -             | 148.7                           | 152.4        | 156.7        | 157.3         | -             |
| 566                 | Shoe stores .....                              | 175.4         | 177.4        | 179.3        | 175.3         | -             | 146.5                           | 148.4        | 149.1        | 145.2         | -             |
| 57                  | <b>FURNITURE AND HOME FURNISHINGS</b>          |               |              |              |               |               |                                 |              |              |               |               |
|                     | STORES .....                                   | 609.7         | 609.4        | 592.4        | 588.5         | -             | 505.0                           | 504.6        | 490.5        | 487.7         | -             |
| 571                 | Furniture and home furnishings .....           | 374.1         | 374.1        | 370.9        | 366.9         | -             | 314.3                           | 314.3        | 309.1        | 305.2         | -             |
| 572                 | Household appliance stores .....               | 86.0          | 86.2         | 80.4         | 81.1          | -             | 73.4                            | 73.7         | 69.2         | 70.0          | -             |
| 573                 | Radio, television, and music stores .....      | 149.6         | 149.1        | 141.1        | 140.5         | -             | 117.3                           | 116.6        | 112.2        | 112.5         | -             |
| 58                  | <b>EATING AND DRINKING PLACES</b> .....        | 4,715.6       | 4,759.0      | 4,944.9      | 4,944.9       | -             | 4,334.7                         | 4,376.3      | 4,548.3      | 4,543.5       | -             |
| 59                  | <b>MISCELLANEOUS RETAIL</b> .....              | 1,845.5       | 1,843.2      | 1,886.8      | 1,875.1       | -             | 1,621.0                         | 1,619.1      | 1,650.1      | 1,636.5       | -             |
| 591                 | Drug stores and proprietary stores .....       | 491.2         | 489.6        | 505.7        | 501.9         | -             | 447.4                           | 446.1        | 458.5        | 454.1         | -             |
| 592                 | Liquor stores .....                            | 130.0         | 131.5        | 132.7        | 133.4         | -             | -                               | -            | -            | -             | -             |
| 594                 | Miscellaneous shopping goods stores .....      | 552.6         | 551.5        | 578.5        | 578.8         | -             | 471.6                           | 469.3        | 492.4        | 491.2         | -             |
| 596                 | Nonstore retailers .....                       | 271.3         | 275.1        | 255.9        | 252.3         | -             | 253.8                           | 258.2        | 238.1        | 234.4         | -             |
| 598                 | Fuel and ice dealers .....                     | 100.7         | 100.6        | 103.7        | 102.4         | -             | 84.9                            | 84.8         | 86.9         | 85.7          | -             |
| 599                 | Retail stores, nec. ....                       | 243.1         | 238.6        | 249.4        | 246.8         | -             | 203.6                           | 199.6        | 208.6        | 206.6         | -             |
|                     | <b>FINANCE, INSURANCE, AND REAL</b>            |               |              |              |               |               |                                 |              |              |               |               |
|                     | ESTATE .....                                   | 5,048         | 5,068        | 5,201        | 5,228         | 5,223         | 3,842                           | 3,855        | 3,945        | 3,967         | 3,968         |
| 60                  | <b>BANKING</b> .....                           | 1,508.0       | 1,513.6      | 1,553.2      | 1,541.9       | -             | 1,170.3                         | 1,173.9      | 1,196.9      | 1,204.3       | -             |
| 602                 | Commercial and stock savings banks .....       | 1,377.6       | 1,383.1      | 1,416.6      | 1,424.1       | -             | 1,064.2                         | 1,067.7      | 1,084.9      | 1,091.1       | -             |
| 61                  | <b>CREDIT AGENCIES OTHER THAN BANKS</b> .....  | 559.3         | 559.3        | 553.8        | 557.6         | -             | 425.0                           | 427.0        | 416.6        | 420.2         | -             |
| 612                 | Savings and loan associations .....            | 236.7         | 237.7        | 238.9        | 241.4         | -             | 183.7                           | 184.3        | 181.2        | 183.4         | -             |
| 614                 | Personal credit institutions .....             | 213.0         | 210.9        | 207.8        | 207.3         | -             | 159.5                           | 159.9        | 155.4        | 155.1         | -             |
| 62                  | <b>SECURITY, COMMODITY BROKERS, AND</b>        |               |              |              |               |               |                                 |              |              |               |               |
|                     | SERVICES .....                                 | 203.5         | 204.4        | 212.2        | 214.6         | -             | -                               | -            | -            | -             | -             |
| 621                 | Security brokers and dealers .....             | 162.8         | 163.7        | 168.2        | 170.4         | -             | -                               | -            | -            | -             | -             |
| 63                  | <b>INSURANCE CARRIERS</b> .....                | 1,210.9       | 1,214.3      | 1,241.8      | 1,249.5       | -             | 849.9                           | 850.6        | 869.3        | 873.5         | -             |
| 631                 | Life insurance .....                           | 525.2         | 526.3        | 541.8        | 545.2         | -             | 313.8                           | 314.7        | 331.1        | 333.6         | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

**B-2. Employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry  | All employees |              |              |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979  | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>INSURANCE CARRIERS—Continued</b>                     |               |              |              |               |               |                                 |              |              |               |               |
| 632                 | Medical service and health insurance .....              | 136.7         | 136.9        | 140.4        | 141.9         | -             | 109.2                           | 109.3        | 112.8        | 114.1         | -             |
| 633                 | Fire, marine, and casualty insurance .....              | 474.3         | 475.9        | 492.9        | 495.7         | -             | 365.3                           | 365.3        | 373.0        | 373.2         | -             |
| 64                  | <b>INSURANCE AGENTS, BROKERS, AND<br/>SERVICE</b> ..... | 431.8         | 437.3        | 455.4        | 457.3         | -             | -                               | -            | -            | -             | -             |
| 65                  | <b>REAL ESTATE</b> .....                                | 997.2         | 1,000.3      | 1,040.4      | 1,041.4       | -             | -                               | -            | -            | -             | -             |
| 651                 | Real estate operators and lessors .....                 | 457.6         | 458.7        | 482.4        | 483.5         | -             | -                               | -            | -            | -             | -             |
| 653                 | Real estate agents and managers .....                   | 374.6         | 376.8        | 391.6        | 390.5         | -             | -                               | -            | -            | -             | -             |
| 655                 | Subdividers and developers .....                        | 141.2         | 140.8        | 144.8        | 145.8         | -             | -                               | -            | -            | -             | -             |
| 66                  | <b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....      | 23.4          | 23.5         | 23.3         | 23.3          | -             | -                               | -            | -            | -             | -             |
| 67                  | <b>HOLDING AND OTHER INVESTMENT OFFICES.</b> .....      | 113.7         | 115.2        | 121.1        | 122.1         | -             | -                               | -            | -            | -             | -             |
| -                   | <b>SERVICES</b> .....                                   | 17,324        | 17,315       | 17,846       | 17,961        | 17,951        | 15,377                          | 15,363       | 15,892       | 16,012        | 15,997        |
| 70                  | <b>HOTELS AND OTHER LODGING PLACES</b> .....            | 1,163.8       | 1,165.7      | 1,137.3      | 1,195.9       | -             | -                               | -            | -            | -             | -             |
| 701                 | Hotels, motels, and tourist courts .....                | 1,094.7       | 1,092.5      | 1,090.6      | 1,118.0       | -             | 1,009.4                         | 1,007.2      | 1,004.0      | 1,031.1       | -             |
| 72                  | <b>PERSONAL SERVICES</b> .....                          | 913.8         | 912.4        | 922.5        | 916.5         | -             | -                               | -            | -            | -             | -             |
| 721                 | Laundry, cleaning, and garment services .....           | 359.1         | 355.9        | 355.5        | 352.9         | -             | 320.4                           | 317.0        | 317.6        | 315.8         | -             |
| 723                 | Beauty shops .....                                      | 292.6         | 292.7        | 293.9        | 295.8         | -             | 269.7                           | 270.3        | 273.9        | 275.1         | -             |
| 726                 | Funeral service and crematories .....                   | 69.6          | 69.8         | 71.6         | 71.6          | -             | -                               | -            | -            | -             | -             |
| 73                  | <b>BUSINESS SERVICES</b> .....                          | 2,888.0       | 2,916.7      | 2,975.7      | 2,984.6       | -             | 2,509.0                         | 2,534.4      | 2,593.8      | 2,604.4       | -             |
| 731                 | Advertising .....                                       | 146.4         | 146.0        | 148.2        | 149.3         | -             | 108.7                           | 108.3        | 112.4        | 113.7         | -             |
| 732                 | Credit reporting and collection .....                   | 78.2          | 77.3         | 71.2         | 70.9          | -             | -                               | -            | -            | -             | -             |
| 733                 | Mailing, reproduction, stenographic .....               | 112.7         | 113.8        | 121.4        | 120.0         | -             | -                               | -            | -            | -             | -             |
| 734                 | Services to buildings .....                             | 496.2         | 502.2        | 511.5        | 509.2         | -             | 448.6                           | 454.0        | 464.4        | 462.3         | -             |
| 736                 | Personnel supply services .....                         | 516.8         | 526.9        | 490.1        | 499.9         | -             | -                               | -            | -            | -             | -             |
| 737                 | Computer and data processing services .....             | 268.6         | 270.1        | 291.4        | 293.6         | -             | 221.2                           | 222.5        | 243.3        | 245.4         | -             |
| 76                  | <b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....         | 581.1         | 574.5        | 587.2        | 582.2         | -             | 495.7                           | 489.0        | 501.1        | 495.5         | -             |
| 763                 | Automotive repair shops .....                           | 363.0         | 358.7        | 359.8        | 359.6         | -             | 308.9                           | 304.3        | 306.0        | 305.9         | -             |
| 78                  | <b>MISCELLANEOUS REPAIR SERVICES</b> .....              | 287.5         | 288.1        | 302.2        | 299.8         | -             | 247.3                           | 247.4        | 259.6        | 257.4         | -             |
| 78                  | <b>MOTION PICTURES</b> .....                            | 236.4         | 238.0        | 230.4        | 234.3         | -             | 212.4                           | 213.1        | 202.9        | 208.7         | -             |
| 781                 | Motion picture production and services .....            | 82.5          | 85.7         | 80.3         | 79.9          | -             | 72.4                            | 75.2         | 65.9         | 67.7          | -             |
| 783                 | Motion picture theaters .....                           | 143.5         | 142.2        | 138.9        | 143.5         | -             | -                               | -            | -            | -             | -             |
| 79                  | <b>AMUSEMENT AND RECREATION SERVICES</b> .....          | 804.0         | 794.4        | 842.2        | 852.6         | -             | 733.1                           | 719.8        | 771.6        | 784.5         | -             |
| 80                  | <b>HEALTH SERVICES</b> .....                            | 5,011.1       | 5,027.9      | 5,234.0      | 5,266.0       | -             | 4,457.1                         | 4,475.2      | 4,677.2      | 4,707.9       | -             |
| 801                 | Offices of physicians .....                             | 725.6         | 730.2        | 753.9        | 762.8         | -             | 593.9                           | 598.9        | 619.8        | 628.5         | -             |
| 802                 | Offices of dentists .....                               | 321.6         | 324.3        | 341.9        | 341.3         | -             | 281.0                           | 281.4        | 298.0        | 297.1         | -             |
| 806                 | Nursing and personal care facilities .....              | 957.8         | 962.9        | 999.8        | 1,002.6       | -             | 861.0                           | 866.8        | 900.8        | 903.5         | -             |
| 808                 | Hospitals .....   | 2,617.4       | 2,621.0      | 2,725.9      | 2,746.6       | -             | 2,387.3                         | 2,393.0      | 2,502.5      | 2,522.2       | -             |
| 81                  | <b>LEGAL SERVICES</b> .....                             | 465.6         | 462.4        | 487.5        | 495.5         | -             | 399.8                           | 397.6        | 419.5        | 426.6         | -             |
| 82                  | <b>EDUCATIONAL SERVICES</b> .....                       | 935.7         | 924.0        | 1,019.8      | 973.1         | -             | -                               | -            | -            | -             | -             |
| 821                 | Elementary and secondary schools .....                  | 225.2         | 224.7        | 264.9        | 237.6         | -             | -                               | -            | -            | -             | -             |
| 822                 | Colleges and universities .....                         | 599.3         | 589.8        | 634.0        | 616.4         | -             | -                               | -            | -            | -             | -             |
| 83                  | <b>SOCIAL SERVICES</b> .....                            | 1,159.1       | 1,135.6      | 1,142.9      | 1,189.3       | -             | -                               | -            | -            | -             | -             |
| 86                  | <b>MEMBERSHIP ORGANIZATIONS</b> .....                   | 1,534.9       | 1,526.2      | 1,579.9      | 1,580.9       | -             | -                               | -            | -            | -             | -             |
| 89                  | <b>MISCELLANEOUS SERVICES</b> .....                     | 959.5         | 965.6        | 1,007.7      | 1,022.1       | -             | 798.0                           | 801.5        | 841.3        | 853.8         | -             |
| 891                 | Engineering and architectural services .....            | 535.7         | 537.0        | 560.8        | 566.8         | -             | 456.3                           | 457.0        | 477.7        | 483.4         | -             |
| 893                 | Accounting, auditing, and bookkeeping .....             | 295.1         | 298.7        | 311.2        | 314.6         | -             | 235.3                           | 237.2        | 250.6        | 253.4         | -             |
|                     | <b>GOVERNMENT</b> .....                                 | 15,359        | 15,269       | 16,394       | 15,602        | 15,392        | -                               | -            | -            | -             | -             |
|                     | <b>FEDERAL GOVERNMENT</b> .....                         | 2,838         | 2,844        | 2,995        | 2,949         | 2,874         | -                               | -            | -            | -             | -             |
|                     | Executive, by agency <sup>4</sup> .....                 | 2,783.0       | 2,789.6      | 2,939.1      | 2,893.1       | -             | -                               | -            | -            | -             | -             |
|                     | Department of Defense .....                             | 908.5         | 908.5        | 909.8        | 911.5         | -             | -                               | -            | -            | -             | -             |
|                     | Postal Service .....                                    | 665.4         | 665.4        | 661.7        | 667.3         | -             | -                               | -            | -            | -             | -             |
|                     | Other executive agencies .....                          | 1,209.1       | 1,215.7      | 1,367.6      | 1,314.3       | -             | -                               | -            | -            | -             | -             |
|                     | Legislative .....                                       | 41.2          | 41.3         | 41.3         | 41.5          | -             | -                               | -            | -            | -             | -             |
|                     | Judicial .....  | 13.4          | 13.4         | 14.6         | 14.8          | -             | -                               | -            | -            | -             | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

(In thousands)

| 1972<br>SIC<br>Code | Industry   | All employees |               |               |               |               | Production workers <sup>1</sup> |              |              |               |               |
|---------------------|--|---------------|---------------|---------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
|                     |  | July<br>1979  | Aug.<br>1979  | June<br>1980  | July<br>1980P | Aug.<br>1980P | July<br>1979                    | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>FEDERAL GOVERNMENT—Continued</b>  |               |               |               |               |               |                                 |              |              |               |               |
|                     | Federal Government, by Industry  |               |               |               |               |               |                                 |              |              |               |               |
| —                   | Manufacturing activities .....   | 125.3         | 124.1         | 123.8         | 123.4         | —             | —                               | —            | —            | —             | —             |
| 3731                | Shipbuilding and repairing .....   | 72.9          | 72.5          | 72.7          | 72.3          | —             | —                               | —            | —            | —             | —             |
| —                   | Transportation and public utilities, except  |               |               |               |               |               |                                 |              |              |               |               |
| —                   | Postal Service .....   | 45.2          | 44.8          | 46.0          | 45.9          | —             | —                               | —            | —            | —             | —             |
| —                   | Services .....   | 365.1         | 364.4         | 399.1         | 403.7         | —             | —                               | —            | —            | —             | —             |
| 806                 | Federal government hospitals .....   | 228.9         | 228.0         | 236.8         | 238.7         | —             | —                               | —            | —            | —             | —             |
| —                   | <b>STATE AND LOCAL GOVERNMENT .....</b>  | <b>12,521</b> | <b>12,425</b> | <b>13,399</b> | <b>12,653</b> | <b>12,518</b> | —                               | —            | —            | —             | —             |
| —                   | State government .....   | 3,363.5       | 3,368.6       | 3,477.1       | 3,411.5       | —             | —                               | —            | —            | —             | —             |
| 806                 | State government hospitals .....   | 542.6         | 543.7         | 549.8         | 550.6         | —             | —                               | —            | —            | —             | —             |
| 82                  | State education .....  | 1,163.5       | 1,163.8       | 1,268.9       | 1,167.2       | —             | —                               | —            | —            | —             | —             |
| —                   | General administration including executive,<br>legislative, and judicial functions ..... | 1,020.6       | 1,020.9       | 1,025.2       | 1,050.9       | —             | —                               | —            | —            | —             | —             |
| —                   | Local government .....   | 9,157.8       | 9,056.1       | 9,922.0       | 9,241.7       | —             | —                               | —            | —            | —             | —             |
| —                   | Transportation and public utilities .....  | 600.6         | 601.3         | 621.8         | 626.4         | —             | —                               | —            | —            | —             | —             |
| 806                 | Local government hospitals .....   | 570.0         | 571.0         | 588.6         | 592.8         | —             | —                               | —            | —            | —             | —             |
| 82                  | Local education .....  | 4,312.6       | 4,263.6       | 5,198.1       | 4,288.7       | —             | —                               | —            | —            | —             | —             |
| —                   | General administration including executive,<br>legislative, and judicial functions ..... | 3,223.0       | 3,185.8       | 3,100.9       | 3,272.4       | —             | —                               | —            | —            | —             | —             |

<sup>1</sup> Data relate to production and related workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

\* Not available.  
p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry**

[In thousands]

| 1972<br>SIC<br>Code | Industry   | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| -                   | <b>TOTAL</b> .....   | 37,150      | 37,268       | 38,328       | 38,325      | 38,247       |
| -                   | <b>PRIVATE SECTOR</b> .....                                    | 29,551      | 29,815       | 30,321       | 30,391      | 30,488       |
| -                   | <b>MINING</b> .....  | 89          | 92           | 100          | 102         | 105          |
| 10                  | <b>METAL MINING</b> .....                                      | 8.2         | 9.0          | 9.0          | 9.2         | 10.0         |
| 11, 12              | <b>COAL MINING</b> .....                                       | 9.2         | 9.4          | 10.9         | 11.2        | 11.3         |
| 13                  | <b>OIL AND GAS EXTRACTION</b> .....                            | 62.4        | 64.9         | 70.6         | 72.1        | 74.6         |
| 131, 2              | Crude petroleum, natural gas, and natural<br>gas liquids ..... | 39.5        | 41.4         | 45.5         | 46.3        | 48.4         |
| 138                 | Oil and gas field services .....                               | 22.9        | 23.5         | 25.1         | 25.8        | 26.2         |
| 14                  | <b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....                | 8.8         | 9.1          | 9.2          | 9.4         | 9.3          |
| 142                 | Crushed and broken stone .....                                 | 2.7         | 2.7          | 2.6          | 2.7         | 2.6          |
| 144                 | Sand and gravel .....  | 2.8         | 3.1          | 3.1          | 3.1         | 3.1          |
| -                   | <b>CONSTRUCTION</b> .....                                      | 350         | 362          | 376          | 380         | 386          |
| 15                  | <b>GENERAL BUILDING CONTRACTORS</b> .....                      | 125.9       | 129.2        | 132.1        | 132.0       | 134.3        |
| 152                 | Residential building construction .....                        | 71.2        | 72.9         | 75.1         | 75.0        | 76.7         |
| 153                 | Operative builders .....                                       | 17.3        | 18.2         | 15.6         | 15.3        | 15.2         |
| 154                 | Nonresidential building construction .....                     | 37.4        | 38.1         | 41.4         | 41.7        | 42.4         |
| 16                  | <b>HEAVY CONSTRUCTION CONTRACTORS</b> .....                    | 54.3        | 57.8         | 55.6         | 58.2        | 60.2         |
| 161                 | Highway and street construction .....                          | 16.3        | 18.1         | 16.1         | 17.9        | 19.0         |
| 162                 | Heavy construction, except highway .....                       | 38.0        | 39.7         | 39.5         | 40.3        | 41.2         |
| 17                  | <b>SPECIAL TRADE CONTRACTORS</b> .....                         | 169.7       | 175.0        | 188.2        | 189.3       | 191.8        |
| 171                 | Plumbing, heating, air conditioning .....                      | 48.4        | 48.8         | 53.0         | 53.7        | 53.5         |
| 172                 | Painting, paper hanging, decorating .....                      | 10.9        | 12.0         | 12.3         | 12.1        | 12.6         |
| 173                 | Electrical work .....  | 30.0        | 30.9         | 34.7         | 34.8        | 35.7         |
| 174                 | Masonry, stonework, and plastering .....                       | 19.2        | 19.2         | 21.3         | 21.8        | 21.7         |
| 175                 | Carpentering and flooring .....                                | 12.9        | 14.3         | 14.3         | 14.0        | 14.0         |
| 176                 | Roofing and sheet metal work .....                             | 11.4        | 11.8         | 13.1         | 13.3        | 13.4         |
| -                   | <b>MANUFACTURING</b> .....                                     | 6,455       | 6,549        | 6,433        | 6,326       | 6,307        |
| 24, 25,<br>32-39    | <b>DURABLE GOODS</b> .....                                     | 3,091       | 3,132        | 3,091        | 3,007       | 2,975        |
| 20-23,<br>26-31     | <b>NONDURABLE GOODS</b> .....                                  | 3,364       | 3,417        | 3,342        | 3,319       | 3,332        |
|                     | <b>DURABLE GOODS</b>   |             |              |              |             |              |
| 24                  | <b>LUMBER AND WOOD PRODUCTS</b> .....                          | 115.2       | 117.0        | 103.2        | 98.3        | 97.2         |
| 241                 | Logging camps and logging contractors .....                    | 4.8         | 5.2          | 4.9          | 4.9         | 5.2          |
| 242                 | Sawmills and planing mills .....                               | 23.0        | 23.6         | 21.3         | 20.0        | 19.9         |
| 2421                | Sawmills and planing mills, general .....                      | 16.0        | 16.4         | 15.0         | 14.0        | 14.2         |
| 243                 | Millwork, plywood, and structural members .....                | 47.1        | 47.4         | 40.6         | 38.2        | 37.1         |
| 244                 | Wooden containers .....  | 7.8         | 8.0          | 7.0          | 7.3         | 7.1          |
| 245                 | Wood buildings and mobile homes .....                          | 11.3        | 11.6         | 8.8          | 7.9         | 7.8          |
| 249                 | Miscellaneous wood products .....                              | 21.2        | 21.2         | 20.6         | 20.0        | 20.1         |
| 25                  | <b>FURNITURE AND FIXTURES</b> .....                            | 145.5       | 144.7        | 145.7        | 139.8       | 135.1        |
| 251                 | Household furniture .....                                      | 107.0       | 106.4        | 106.3        | 101.7       | 97.1         |
| 2511                | Wood household furniture .....                                 | 45.9        | 46.0         | 45.1         | 44.5        | 43.1         |
| 2512                | Upholstered household furniture .....                          | 36.0        | 36.2         | 35.2         | 33.3        | 32.3         |
| 2515                | Mattresses and bedsprings .....                                | 8.6         | 8.4          | 8.2          | 7.5         | 7.5          |
| 252                 | Office furniture .....   | 11.8        | 11.7         | 12.6         | 12.5        | 12.3         |
| 253                 | Public building and related furniture .....                    | 5.4         | 5.5          | 5.4          | 5.3         | 5.3          |
| 254                 | Partitions and fixtures .....                                  | 10.5        | 10.8         | 10.7         | 9.9         | 10.0         |
| 259                 | Miscellaneous furniture and fixtures .....                     | 10.8        | 10.3         | 10.7         | 10.4        | 10.4         |
| 32                  | <b>STONE, CLAY, AND GLASS PRODUCTS</b> .....                   | 134.7       | 136.4        | 130.8        | 127.6       | 126.2        |
| 322                 | Glass and glassware, pressed or blown .....                    | 44.4        | 45.2         | 43.3         | 43.1        | 42.5         |
| 3221                | Glass containers .....   | 25.4        | 26.0         | 23.6         | 23.6        | 23.6         |
| 3229                | Pressed and blown glass, nec .....                             | 19.0        | 19.2         | 19.7         | 19.5        | 18.9         |
| 323                 | Products of purchased glass .....                              | 13.9        | 13.3         | 13.6         | 13.2        | 12.9         |
| 324                 | Cement, hydraulic .....  | 1.7         | 1.7          | 1.7          | 1.7         | 1.8          |
| 325                 | Structural clay products .....                                 | 7.0         | 7.2          | 6.7          | 6.3         | 6.4          |
| 326                 | Potttery and related products .....                            | 16.6        | 16.6         | 16.0         | 15.5        | 15.1         |
| 327                 | Concrete, gypsum, and plaster products .....                   | 15.2        | 15.6         | 15.0         | 14.9        | 15.0         |
| 329                 | Misc. nonmetallic mineral products .....                       | 32.8        | 33.6         | 31.9         | 30.5        | 30.0         |
| 33                  | <b>PRIMARY METAL INDUSTRIES</b> .....                          | 135.1       | 138.1        | 130.5        | 123.0       | 120.9        |
| 331                 | Blast furnace and basic steel products .....                   | 43.9        | 45.8         | 42.4         | 39.9        | 37.9         |
| 3312                | Blast furnaces and steel mills .....                           | 34.0        | 35.8         | 32.0         | 30.3        | 28.7         |
| 332                 | Iron and steel foundries .....                                 | 20.9        | 21.2         | 19.1         | 18.4        | 18.0         |

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code                       | Industry  | May<br>1979  | June<br>1979 | Apr.<br>1980 | May<br>1980  | June<br>1980 |
|---|---|--------------|--------------|--------------|--------------|--------------|
| <b>PRIMARY METAL INDUSTRIES—Continued</b> |   |              |              |              |              |              |
| 3321                                      | Gray iron foundries .....                           | 10.5         | 10.7         | 8.4          | 8.2          | 8.0          |
| 3322                                      | Malleable iron foundries .....                      | 1.7          | 1.7          | 1.3          | 1.2          | 1.1          |
| 3325                                      | Steel foundries, nec .....                          | 5.0          | 5.1          | 5.4          | 5.3          | 5.2          |
| 333                                       | Primary nonferrous metals .....                     | 4.7          | 4.9          | 5.0          | 5.2          | 5.4          |
| 3334                                      | Primary aluminum .....                              | 1.9          | 2.0          | 2.1          | 2.2          | 2.3          |
| 335                                       | Nonferrous rolling and drawing .....                | 43.4         | 43.8         | 42.6         | 39.5         | 40.5         |
| 3351                                      | Copper rolling and drawing .....                    | 4.0          | 4.1          | 3.5          | 3.2          | 3.2          |
| 3353                                      | Aluminum sheet, plate, and foil .....               | 4.6          | 4.8          | 4.5          | 4.5          | 4.5          |
| 3357                                      | Nonferrous wire drawing and insulating .....        | 25.7         | 25.7         | 26.0         | 23.5         | 24.5         |
| 336                                       | Nonferrous foundries .....                          | 16.8         | 17.0         | 15.6         | 14.2         | 13.6         |
| 3361                                      | Aluminum foundries .....                            | 8.3          | 8.4          | 8.2          | 7.4          | 7.0          |
| 34  | <b>FABRICATED METAL PRODUCTS .....</b>              | <b>360.5</b> | <b>365.2</b> | <b>351.3</b> | <b>335.0</b> | <b>327.5</b> |
| 341                                       | Metal cans and shipping containers .....            | 14.1         | 14.3         | 13.9         | 13.5         | 13.0         |
| 3411                                      | Metal cans .....                                    | 12.2         | 12.4         | 12.0         | 11.6         | 11.2         |
| 342                                       | Cutlery, hand tools, and hardware .....             | 63.3         | 63.4         | 59.6         | 56.8         | 54.8         |
| 3423, 5                                   | Hand and edge tools, and hand saws and blades ..... | 17.4         | 17.7         | 17.4         | 16.7         | 16.4         |
| 3429                                      | Hardware, nec .....                                 | 38.8         | 38.6         | 35.2         | 33.2         | 31.7         |
| 343                                       | Plumbing and heating, except electric .....         | 19.0         | 19.5         | 18.2         | 15.7         | 15.0         |
| 344                                       | Fabricated structural metal products .....          | 73.1         | 74.3         | 73.2         | 70.9         | 70.4         |
| 3441                                      | Fabricated structural metal .....                   | 7.4          | 7.7          | 8.1          | 7.9          | 7.9          |
| 3442                                      | Metal doors, sash, and trim .....                   | 23.4         | 23.9         | 20.9         | 19.3         | 19.3         |
| 3443                                      | Fabricated plate work (boiler shops) .....          | 16.3         | 16.4         | 17.8         | 18.0         | 18.1         |
| 3444                                      | Sheet metal work .....                              | 16.0         | 16.3         | 16.2         | 15.7         | 15.4         |
| 345                                       | Screw machine products, bolts, etc. ....            | 25.5         | 25.7         | 26.1         | 25.0         | 24.4         |
| 3451                                      | Screw machine products .....                        | 12.9         | 13.0         | 13.3         | 12.7         | 12.7         |
| 3452                                      | Bolts, nuts, rivets, and washers .....              | 12.6         | 12.7         | 12.8         | 12.3         | 11.7         |
| 346                                       | Metal forgings and stampings .....                  | 58.3         | 59.1         | 53.7         | 49.7         | 48.3         |
| 3462                                      | Iron and steel forgings .....                       | 4.8          | 4.9          | 4.9          | 4.7          | 4.8          |
| 3465                                      | Automotive stampings .....                          | 16.2         | 16.2         | 11.5         | 10.0         | 9.3          |
| 3469                                      | Metal stampings, nec .....                          | 35.3         | 35.9         | 35.0         | 32.8         | 32.1         |
| 347                                       | Metal services, nec .....                           | 26.7         | 27.1         | 26.8         | 26.0         | 25.3         |
| 3471                                      | Plating and polishing .....                         | 18.4         | 18.5         | 18.0         | 17.8         | 17.5         |
| 3479                                      | Metal coating and allied services .....             | 8.3          | 8.6          | 8.8          | 8.2          | 7.8          |
| 348                                       | Ordinance and accessories, nec .....                | 18.4         | 18.7         | 17.8         | 17.5         | 17.6         |
| 349                                       | Misc. fabricated metal products .....               | 62.1         | 63.1         | 62.0         | 59.9         | 58.7         |
| 3494                                      | Valves and pipe fittings .....                      | 23.8         | 24.0         | 24.3         | 23.6         | 23.1         |
| 3496                                      | Misc. fabricated wire products .....                | 14.2         | 14.5         | 14.8         | 14.0         | 13.6         |
| 35  | <b>MACHINERY, EXCEPT ELECTRICAL .....</b>           | <b>471.8</b> | <b>473.6</b> | <b>499.8</b> | <b>495.1</b> | <b>492.1</b> |
| 351                                       | Engines and turbines .....                          | 27.0         | 26.6         | 26.5         | 25.5         | 25.1         |
| 3511                                      | Turbines and turbine generator sets .....           | 5.7          | 5.7          | 5.8          | 5.8          | 5.9          |
| 3519                                      | Internal combustion engines, nec .....              | 21.3         | 20.9         | 20.7         | 19.7         | 19.2         |
| 352                                       | Farm and garden machinery .....                     | 27.8         | 28.3         | 27.6         | 27.9         | 26.6         |
| 3523                                      | Farm machinery and equipment .....                  | 21.0         | 21.5         | 21.2         | 22.6         | 21.8         |
| 353                                       | Construction and related machinery .....            | 43.0         | 43.8         | 48.5         | 48.4         | 48.7         |
| 3531                                      | Construction machinery .....                        | 13.7         | 13.7         | 15.2         | 14.9         | 14.9         |
| 3533                                      | Oil field machinery .....                           | 11.3         | 11.6         | 13.3         | 13.8         | 14.1         |
| 354                                       | Metalworking machinery .....                        | 55.5         | 56.0         | 60.0         | 59.1         | 58.7         |
| 3541                                      | Machine tools, metal cutting types .....            | 9.6          | 9.6          | 10.5         | 10.5         | 10.5         |
| 3544                                      | Special dies, tools, jigs, and fixtures .....       | 15.8         | 15.6         | 15.3         | 15.3         | 15.4         |
| 3545                                      | Machine tool accessories .....                      | 12.9         | 13.2         | 14.5         | 14.4         | 14.4         |
| 355                                       | Special industry machinery .....                    | 29.1         | 29.7         | 31.1         | 30.9         | 31.0         |
| 3551                                      | Food products machinery .....                       | 6.2          | 6.3          | 6.7          | 6.7          | 6.6          |
| 3552                                      | Textile machinery .....                             | 5.0          | 5.2          | 5.3          | 5.2          | 5.1          |
| 3555                                      | Printing trades machinery .....                     | 5.9          | 6.0          | 6.5          | 6.5          | 6.7          |
| 356                                       | General industrial machinery .....                  | 62.1         | 63.1         | 64.5         | 63.3         | 62.6         |
| 3561                                      | Pumps and pumping equipment .....                   | 11.7         | 11.8         | 11.6         | 11.4         | 11.2         |
| 3562                                      | Ball and roller bearings .....                      | 13.5         | 13.8         | 14.5         | 14.3         | 14.2         |
| 357                                       | Office and computing machines .....                 | 136.7        | 136.5        | 152.2        | 153.4        | 156.0        |
| 3573                                      | Electronic computing equipment .....                | 108.3        | 110.2        | 124.6        | 125.3        | 127.8        |
| 358                                       | Refrigeration and service machinery .....           | 41.4         | 39.9         | 39.3         | 37.3         | 35.6         |
| 3585                                      | Refrigeration and heating equipment .....           | 28.0         | 26.4         | 26.1         | 24.2         | 22.6         |
| 359                                       | Misc. machinery, except electrical .....            | 49.2         | 49.7         | 50.1         | 49.3         | 47.8         |
| 3599                                      | Machinery, except electrical, nec .....             | 37.8         | 38.3         | 39.4         | 39.0         | 38.3         |
| 36  | <b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>      | <b>894.8</b> | <b>912.6</b> | <b>925.8</b> | <b>903.5</b> | <b>893.8</b> |
| 361                                       | Electric distributing equipment .....               | 45.7         | 46.8         | 45.3         | 44.7         | 43.0         |
| 3612                                      | Transformers .....                                  | 19.4         | 19.7         | 19.4         | 19.0         | 17.9         |
| 3613                                      | Switchgear and switchboard apparatus .....          | 26.3         | 27.1         | 25.9         | 25.7         | 25.1         |
| 362                                       | Electrical industrial apparatus .....               | 96.6         | 98.4         | 94.9         | 91.2         | 87.4         |
| 3621                                      | Motors and generators .....                         | 54.5         | 54.9         | 51.6         | 48.3         | 45.6         |
| 3622                                      | Industrial controls .....                           | 28.1         | 29.3         | 29.5         | 29.3         | 28.3         |
| 363                                       | Household appliances .....                          | 59.7         | 60.7         | 61.7         | 58.2         | 55.7         |
| 3632                                      | Household refrigerators and freezers .....          | 10.2         | 10.5         | 10.3         | 9.3          | 9.7          |
| 3633                                      | Household laundry equipment .....                   | 4.9          | 5.0          | 4.6          | 3.8          | 3.5          |
| 3634                                      | Electric housewares and fans .....                  | 26.7         | 26.8         | 28.1         | 27.6         | 27.2         |
| 364                                       | Electric lighting and wiring equipment .....        | 104.2        | 105.5        | 102.1        | 98.4         | 95.0         |
| 3641                                      | Electric lamps .....                                | 24.2         | 24.5         | 22.8         | 22.2         | 21.4         |

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code                                | Industry  | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|--|---|-------------|--------------|--------------|-------------|--------------|
| <b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b> |   |             |              |              |             |              |
| 3643   | Current-carrying wiring devices .....             | 45.1        | 45.8         | 46.9         | 46.0        | 45.0         |
| 365  | Radio and TV receiving equipment .....            | 59.2        | 61.7         | 58.6         | 54.9        | 56.6         |
| 3651   | Radio and TV receiving sets .....                 | 44.3        | 45.2         | 44.0         | 41.1        | 42.5         |
| 366  | Communication equipment .....                     | 195.9       | 198.3        | 212.7        | 211.1       | 210.3        |
| 3661   | Telephone and telegraph apparatus .....           | 81.1        | 81.9         | 87.4         | 85.9        | 83.8         |
| 3662   | Radio and TV communication equipment .....        | 114.8       | 116.4        | 125.3        | 125.2       | 126.5        |
| 367  | Electronic components and accessories .....       | 271.8       | 278.6        | 292.7        | 290.2       | 291.3        |
| 3671-3   | Electronic tubes .....                            | 16.4        | 16.6         | 17.2         | 17.2        | 17.3         |
| 3674   | Semiconductors and related devices .....          | 92.6        | 94.9         | 104.5        | 104.7       | 106.5        |
| 3679   | Electronic components, nec .....                  | 111.7       | 114.4        | 116.9        | 115.3       | 115.2        |
| 369  | Misc. electrical equipment and supplies .....     | 61.7        | 62.6         | 57.8         | 54.8        | 54.5         |
| 3694   | Engine electrical equipment .....                 | 31.5        | 31.9         | 25.7         | 23.8        | 23.3         |
| <b>TRANSPORTATION EQUIPMENT</b>                    |   |             |              |              |             |              |
| 37   | Motor vehicles and equipment .....                | 330.9       | 331.3        | 297.5        | 286.4       | 285.8        |
| 371  | Motor vehicles and car bodies .....               | 150.2       | 149.4        | 110.6        | 101.0       | 99.6         |
| 3711   | Motor vehicles and car bodies .....               | 61.2        | 61.0         | 40.5         | 40.8        | 41.3         |
| 3713   | Truck and bus bodies .....                        | 5.6         | 6.0          | 4.6          | 4.1         | 3.9          |
| 3714   | Motor vehicle parts and accessories .....         | 80.5        | 79.5         | 62.5         | 53.3        | 51.7         |
| 372  | Aircraft and parts .....                          | 110.6       | 112.4        | 118.6        | 118.6       | 118.9        |
| 3721   | Aircraft .....                                    | 63.1        | 63.5         | 64.1         | 63.7        | 63.4         |
| 3724   | Aircraft engines and engine parts .....           | 24.2        | 25.0         | 28.0         | 28.2        | 28.5         |
| 3728   | Aircraft equipment, nec .....                     | 23.3        | 23.9         | 26.5         | 26.7        | 27.0         |
| 373  | Ship and boat building and repairing .....        | 24.5        | 24.6         | 21.2         | 20.4        | 20.2         |
| 3731   | Ship building and repairing .....                 | 15.6        | 16.4         | 15.4         | 15.2        | 15.2         |
| 374  | Railroad equipment .....                          | 6.4         | 6.5          | 7.0          | 6.9         | 6.8          |
| 376  | Guided missiles, space vehicles, parts .....      | 21.1        | 21.3         | 24.0         | 24.2        | 24.6         |
| 3761   | Guided missiles and space vehicles .....          | 17.5        | 17.7         | 19.9         | 20.1        | 20.4         |
| 379  | Miscellaneous transportation equipment .....      | 11.1        | 9.7          | 8.4          | 7.9         | 8.4          |
| <b>INSTRUMENTS AND RELATED PRODUCTS</b>            |   |             |              |              |             |              |
| 38   | Engineering and scientific instruments .....      | 292.4       | 298.1        | 301.4        | 298.0       | 298.5        |
| 381  | Engineering and scientific instruments .....      | 22.2        | 22.4         | 24.0         | 24.0        | 24.1         |
| 382  | Measuring and controlling devices .....           | 100.7       | 102.6        | 105.2        | 103.4       | 102.5        |
| 3822   | Environmental controls .....                      | 24.4        | 25.0         | 24.9         | 23.9        | 22.4         |
| 3823   | Process control instruments .....                 | 16.8        | 16.7         | 17.7         | 17.6        | 18.2         |
| 3825   | Instruments to measure electricity .....          | 43.2        | 44.3         | 45.4         | 45.1        | 45.5         |
| 383  | Optical instruments and lenses .....              | 10.6        | 11.0         | 12.2         | 12.1        | 12.4         |
| 384  | Medical instruments and supplies .....            | 75.9        | 77.1         | 79.5         | 79.3        | 79.3         |
| 3841   | Surgical and medical instruments .....            | 35.3        | 35.7         | 37.0         | 37.1        | 36.8         |
| 3842   | Surgical appliances and supplies .....            | 32.5        | 33.2         | 34.8         | 34.6        | 34.7         |
| 385  | Ophthalmic goods .....                            | 26.7        | 26.9         | 28.0         | 27.6        | 27.4         |
| 386  | Photographic equipment and supplies .....         | 38.2        | 39.7         | 37.1         | 37.4        | 38.7         |
| 387  | Watches, clocks, and watchcases .....             | 18.1        | 18.4         | 15.4         | 14.2        | 14.1         |
| <b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>      |   |             |              |              |             |              |
| 39   | Jewelry, silverware, and plated ware .....        | 209.9       | 214.8        | 204.6        | 200.4       | 198.1        |
| 391  | Jewelry, silverware, and plated ware .....        | 27.6        | 27.2         | 25.5         | 25.4        | 25.4         |
| 393  | Musical instruments .....                         | 10.9        | 10.6         | 9.6          | 8.4         | 8.3          |
| 394  | Toys and sporting goods .....                     | 63.2        | 66.1         | 64.2         | 63.6        | 62.1         |
| 3942, 4  | Dolls, games, toys, and children's vehicles ..... | 31.8        | 35.1         | 31.2         | 32.6        | 33.2         |
| 3949   | Sporting and athletic goods, nec .....            | 31.4        | 31.0         | 33.0         | 31.0        | 28.9         |
| 395  | Pens, pencils, office and art supplies .....      | 21.1        | 21.4         | 22.4         | 22.1        | 21.8         |
| 396  | Costume jewelry and notions .....                 | 35.1        | 36.4         | 32.2         | 31.3        | 31.1         |
| 399  | Miscellaneous manufactures .....                  | 52.0        | 53.1         | 50.7         | 49.6        | 49.4         |
| <b>NONDURABLE GOODS</b>                            |   |             |              |              |             |              |
| <b>FOOD AND KINDRED PRODUCTS</b>                   |   |             |              |              |             |              |
| 20   | Meat products .....                               | 482.7       | 504.8        | 467.5        | 471.3       | 484.9        |
| 201  | Meat products .....                               | 111.6       | 117.6        | 115.3        | 117.6       | 120.2        |
| 2011   | Meat packing plants .....                         | 26.8        | 27.8         | 29.2         | 29.5        | 30.1         |
| 2013   | Sausages and other prepared meats .....           | 21.0        | 21.5         | 19.8         | 20.1        | 20.4         |
| 2016   | Poultry dressing plants .....                     | 56.4        | 60.5         | 58.5         | 60.3        | 62.8         |
| 202  | Dairy products .....                              | 36.3        | 38.6         | 36.9         | 37.5        | 38.8         |
| 2026   | Fluid milk .....                                  | 18.2        | 18.3         | 18.2         | 18.6        | 18.9         |
| 203  | Preserved fruits and vegetables .....             | 96.0        | 102.5        | 79.8         | 81.5        | 85.5         |
| 2032   | Canned specialties .....                          | 8.5         | 8.2          | 8.4          | 7.7         | 7.9          |
| 2033   | Canned fruits and vegetables .....                | 28.8        | 31.2         | 25.2         | 25.0        | 26.0         |
| 2037   | Frozen fruits and vegetables .....                | 25.6        | 27.6         | 17.3         | 19.0        | 19.9         |
| 204  | Grain mill products .....                         | 27.3        | 27.6         | 28.1         | 28.1        | 28.6         |
| 205  | Bakery products .....                             | 62.2        | 62.4         | 60.8         | 60.5        | 60.3         |
| 2051   | Bread, cake, and related products .....           | 41.8        | 41.8         | 40.0         | 40.3        | 40.6         |
| 2052   | Cookies and crackers .....                        | 20.4        | 20.6         | 20.8         | 20.2        | 19.7         |
| 206  | Sugar and confectionery products .....            | 38.8        | 39.6         | 37.5         | 36.7        | 36.3         |
| 207  | Fats and oils .....                               | 5.7         | 5.7          | 5.7          | 5.8         | 5.8          |
| 208  | Beverages .....                                   | 37.3        | 38.3         | 39.5         | 39.6        | 40.4         |
| 2082   | Malt beverages .....                              | 6.2         | 6.5          | 7.4          | 7.3         | 7.6          |
| 2086   | Bottled and canned soft drinks .....              | 17.4        | 17.8         | 18.3         | 18.7        | 19.0         |
| 209  | Misc. foods and kindred products .....            | 67.5        | 72.5         | 63.9         | 64.0        | 69.0         |
| <b>TOBACCO MANUFACTURES</b>                        |   |             |              |              |             |              |
| 21   | Cigarettes .....                                  | 22.9        | 22.3         | 21.3         | 21.5        | 21.8         |
| 211  | Cigarettes .....                                  | 13.8        | 13.8         | 13.4         | 13.4        | 13.8         |

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry--Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry   | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 22                  | <b>TEXTILE MILL PRODUCTS</b>                     | 420.3       | 425.4        | 421.3        | 415.5       | 406.7        |
| 221                 | Weaving mills, cotton                            | 65.3        | 65.7         | 66.7         | 66.6        | 66.0         |
| 222                 | Weaving mills, synthetics                        | 50.3        | 50.7         | 50.2         | 49.4        | 44.2         |
| 223                 | Weaving and finishing mills, wool                | 7.8         | 7.8          | 7.8          | 7.5         | 7.5          |
| 224                 | Narrow fabric mills                              | 15.6        | 15.7         | 15.1         | 14.3        | 14.5         |
| 225                 | Knitting mills                                   | 146.4       | 149.7        | 149.5        | 148.9       | 148.9        |
| 2251                | Women's hosiery, except socks                    | 24.1        | 24.6         | 24.7         | 24.6        | 24.5         |
| 2252                | Hosiery, nec                                     | 24.4        | 24.8         | 24.1         | 23.8        | 23.7         |
| 2253                | Knit outerwear mills                             | 50.6        | 52.1         | 52.7         | 53.1        | 53.6         |
| 2254                | Knit underwear mills                             | 23.9        | 24.4         | 24.3         | 24.5        | 24.7         |
| 2257                | Circular knit fabric mills                       | 13.2        | 13.5         | 13.3         | 12.6        | 12.4         |
| 226                 | Textile finishing, except wool                   | 23.4        | 23.2         | 22.9         | 22.8        | 22.6         |
| 2281                | Finishing plants, cotton                         | 9.7         | 9.6          | 9.6          | 9.6         | 9.5          |
| 2282                | Finishing plants, synthetic                      | 6.6         | 6.8          | 6.5          | 6.5         | 6.5          |
| 227                 | Floor covering mills                             | 24.1        | 24.6         | 23.3         | 22.1        | 21.5         |
| 228                 | Yarn and thread mills                            | 66.1        | 66.7         | 65.9         | 64.8        | 62.9         |
| 2281                | Yarn mills, except wool                          | 40.6        | 40.9         | 40.9         | 40.1        | 39.8         |
| 2282                | Throwing and winding mills                       | 15.2        | 15.4         | 14.7         | 13.9        | 13.3         |
| 229                 | Miscellaneous textile goods                      | 21.3        | 21.3         | 19.9         | 19.1        | 18.6         |
| 23                  | <b>APPAREL AND OTHER TEXTILE PRODUCTS</b>        | 1,076.7     | 1,081.1      | 1,060.8      | 1,055.7     | 1,061.9      |
| 231                 | Men's and boys' suits and coats                  | 64.7        | 64.5         | 60.1         | 62.2        | 62.9         |
| 232                 | Men's and boys' furnishings                      | 310.6       | 312.2        | 317.9        | 319.1       | 321.2        |
| 2321                | Men's and boys' shirts and nightwear             | 91.6        | 93.1         | 90.5         | 91.4        | 92.3         |
| 2327                | Men's and boys' separate trousers                | 65.3        | 65.9         | 66.7         | 66.8        | 67.1         |
| 2328                | Men's and boys' work clothing                    | 85.1        | 84.8         | 90.9         | 91.4        | 91.8         |
| 233                 | Women's and misses' outerwear                    | 380.9       | 382.5        | 378.3        | 371.9       | 375.1        |
| 2331                | Women's and misses' blouses and waists           | 57.6        | 57.9         | 55.3         | 55.0        | 55.9         |
| 2335                | Women's and misses' dresses                      | 139.9       | 141.1        | 140.5        | 133.0       | 134.6        |
| 2337                | Women's and misses' suits and coats              | 54.7        | 56.8         | 50.1         | 53.2        | 55.1         |
| 2339                | Women's and misses' outerwear, nec               | 128.7       | 126.7        | 132.4        | 130.7       | 129.5        |
| 234                 | Women's and children's undergarments             | 80.3        | 80.5         | 78.6         | 78.2        | 77.8         |
| 2341                | Women's and children's underwear                 | 64.6        | 64.8         | 63.5         | 63.3        | 63.3         |
| 2342                | Brasieres and allied garments                    | 15.7        | 15.7         | 15.1         | 14.9        | 14.5         |
| 236                 | Children's outerwear                             | 57.1        | 58.1         | 54.7         | 54.8        | 56.1         |
| 2361                | Children's dresses and blouses                   | 24.4        | 24.7         | 22.2         | 22.2        | 22.7         |
| 238                 | Misc. apparel and accessories                    | 46.6        | 46.9         | 44.6         | 44.5        | 44.6         |
| 239                 | Misc. fabricated textile products                | 122.4       | 122.3        | 113.1        | 111.2       | 110.4        |
| 2391                | Curtains and draperies                           | 22.4        | 23.3         | 22.8         | 22.4        | 21.8         |
| 2392                | House furnishings, nec                           | 32.9        | 33.5         | 32.8         | 32.6        | 32.2         |
| 2396                | Automotive and apparel trimmings                 | 18.8        | 17.3         | 13.3         | 13.0        | 13.2         |
| 26                  | <b>PAPER AND ALLIED PRODUCTS</b>                 | 160.8       | 164.8        | 160.4        | 158.6       | 159.0        |
| 261, 2,6            | Paper and pulp mills                             | 26.7        | 27.9         | 27.4         | 27.8        | 28.3         |
| 262                 | Paper mills, except building paper               | 24.0        | 25.0         | 24.5         | 24.9        | 25.2         |
| 263                 | Paperboard mills                                 | 5.8         | 6.0          | 5.9          | 5.9         | 6.0          |
| 264                 | Misc. converted paper products                   | 77.1        | 78.6         | 76.4         | 75.1        | 75.1         |
| 265                 | Paperboard containers and boxes                  | 51.2        | 52.3         | 50.7         | 49.8        | 49.6         |
| 27                  | <b>PRINTING AND PUBLISHING</b>                   | 474.4       | 478.5        | 501.6        | 500.8       | 502.4        |
| 271                 | Newspapers                                       | 148.6       | 151.4        | 161.0        | 161.3       | 163.8        |
| 272                 | Periodicals                                      | 48.3        | 48.8         | 49.7         | 49.7        | 49.8         |
| 273                 | Books  | 55.2        | 54.5         | 57.5         | 57.0        | 56.2         |
| 274                 | Miscellaneous publishing                         | 24.0        | 24.3         | 25.1         | 25.8        | 25.7         |
| 275                 | Commercial printing                              | 127.1       | 125.9        | 133.4        | 132.2       | 132.0        |
| 2751                | Commercial printing, letterpress                 | 55.1        | 55.0         | 56.5         | 55.8        | 55.8         |
| 2752                | Commercial printing, lithographic                | 66.5        | 65.6         | 70.7         | 70.4        | 70.4         |
| 276                 | Manifold business forms                          | 14.7        | 15.1         | 15.3         | 15.1        | 15.0         |
| 278                 | Blankbooks and bookbinding                       | 33.3        | 34.6         | 34.4         | 34.1        | 34.2         |
| 279                 | Printing trade services                          | 9.4         | 9.6          | 10.9         | 11.0        | 11.0         |
| 28                  | <b>CHEMICALS AND ALLIED PRODUCTS</b>             | 269.1       | 275.3        | 277.6        | 277.6       | 280.9        |
| 281                 | Industrial inorganic chemicals                   | 23.1        | 23.8         | 24.6         | 24.9        | 25.2         |
| 2819                | Industrial inorganic chemicals, nec              | 15.6        | 16.0         | 16.2         | 16.3        | 16.5         |
| 282                 | Plastics materials and synthetics                | 43.7        | 45.1         | 44.1         | 43.4        | 43.0         |
| 2821                | Plastics materials and resins                    | 10.9        | 11.6         | 11.7         | 11.7        | 11.8         |
| 2824                | Organic fibers, noncellulosic                    | 26.5        | 27.1         | 25.5         | 24.8        | 24.5         |
| 283                 | Drugs  | 79.2        | 80.9         | 82.8         | 83.3        | 84.3         |
| 2834                | Pharmaceutical preparations                      | 67.3        | 68.8         | 70.3         | 70.4        | 71.2         |
| 284                 | Soap, cleaners, and toilet goods                 | 55.6        | 56.7         | 55.7         | 55.4        | 56.8         |
| 2841                | Soap and other detergents                        | 9.1         | 9.4          | 9.2          | 9.2         | 9.6          |
| 2844                | Toilet preparations                              | 33.5        | 34.0         | 33.6         | 33.2        | 34.0         |
| 285                 | Paints and allied products                       | 12.6        | 12.8         | 12.8         | 12.9        | 12.9         |
| 286                 | Industrial organic chemicals                     | 25.0        | 25.5         | 26.0         | 25.9        | 26.5         |
| 2861,9              | Gum, wood, and industrial organic chemicals, nec | 20.3        | 20.8         | 21.1         | 20.9        | 21.7         |
| 287                 | Agricultural chemicals                           | 10.2        | 10.3         | 10.8         | 11.1        | 11.1         |
| 289                 | Miscellaneous chemical products                  | 19.7        | 20.2         | 20.8         | 20.7        | 21.1         |



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

(In thousands)

| 1972<br>SIC<br>Code | Industry  | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|---------------------|---|-------------|--------------|--------------|-------------|--------------|
| 29                  | <b>PETROLEUM AND COAL PRODUCTS</b> .....                            | 25.6        | 26.8         | 23.6         | 26.8        | 28.2         |
| 291                 | Petroleum refining .....  | 20.5        | 21.7         | 18.3         | 21.6        | 23.0         |
| 30                  | <b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....                     | 276.6       | 280.1        | 259.3        | 244.0       | 238.1        |
| 301                 | Tires and inner tubes .....   | 12.4        | 11.9         | 10.6         | 9.9         | 9.7          |
| 302                 | Rubber and plastics footwear .....                                  | 13.5        | 13.8         | 14.1         | 13.6        | 14.0         |
| 303,4               | Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 6.3         | 6.7          | 5.6          | 5.3         | 5.3          |
| 306                 | Fabricated rubber products, nec .....                               | 42.9        | 42.8         | 37.8         | 35.5        | 34.3         |
| 307                 | Miscellaneous plastics products .....                               | 201.5       | 204.9        | 191.2        | 179.7       | 174.8        |
| 31                  | <b>LEATHER AND LEATHER PRODUCTS</b> .....                           | 155.1       | 157.7        | 148.2        | 147.3       | 148.3        |
| 311                 | Leather tanning and finishing .....                                 | 3.1         | 3.1          | 2.6          | 2.6         | 2.5          |
| 314                 | Footwear, except rubber .....                                       | 103.5       | 104.8        | 101.8        | 102.6       | 103.7        |
| 3143                | Men's footwear, except athletic .....                               | 38.3        | 38.7         | 36.1         | 36.0        | 36.5         |
| 3144                | Women's footwear, except athletic .....                             | 42.6        | 43.6         | 42.7         | 43.4        | 44.1         |
| 316                 | Luggage .....   | 9.7         | 9.8          | 8.1          | 7.5         | 7.7          |
| 317                 | Handbags and personal leather goods .....                           | 23.9        | 24.7         | 21.9         | 21.3        | 21.2         |
|                     | <b>TRANSPORTATION AND<br/>PUBLIC UTILITIES</b> .....                | 1,222       | 1,249        | 1,281        | 1,291       | 1,296        |
| 41                  | <b>LOCAL AND INTERURBAN PASSENGER<br/>TRANSIT</b> .....             | 62.5        | 58.8         | 66.0         | 69.8        | 65.8         |
| 411                 | Local and suburban transportation .....                             | 11.2        | 11.0         | 13.0         | 13.4        | 13.3         |
| 412                 | Taxicabs .....  | 7.1         | 6.9          | 7.4          | 7.5         | 7.2          |
| 413                 | Intercity highway transportation .....                              | 4.6         | 4.7          | 5.2          | 5.3         | 5.6          |
| 415                 | School buses .....  | 36.9        | 33.7         | 37.8         | 41.0        | 37.0         |
| 42                  | <b>TRUCKING AND WAREHOUSING</b> .....                               | 149.0       | 153.3        | 151.8        | 150.9       | 151.8        |
| 421,3               | Trucking and trucking terminals .....                               | 133.0       | 137.1        | 135.8        | 134.8       | 136.5        |
| 422                 | Public warehousing .....  | 16.0        | 16.2         | 16.0         | 16.1        | 15.3         |
| 44                  | <b>WATER TRANSPORTATION</b> .....                                   | 19.4        | 20.3         | 19.3         | 19.1        | 20.2         |
| 45                  | <b>TRANSPORTATION BY AIR</b> .....                                  | 130.3       | 141.2        | 146.3        | 147.9       | 148.5        |
| 451,2               | Air transportation .....  | 122.6       | 133.2        | 137.9        | 139.5       | 140.0        |
| 46                  | <b>PIPE LINES, EXCEPT NATURAL GAS</b> .....                         | 2.1         | 2.3          | 2.4          | 2.5         | 2.6          |
| 47                  | <b>TRANSPORTATION SERVICES</b> .....                                | 84.1        | 87.0         | 91.1         | 91.8        | 90.9         |
| 48                  | <b>COMMUNICATION</b> .....  | 613.5       | 620.7        | 629.2        | 630.9       | 636.3        |
| 481                 | Telephone communication .....                                       | 538.7       | 544.9        | 546.9        | 548.2       | 552.6        |
| 483                 | Radio and television broadcasting .....                             | 58.2        | 59.0         | 63.6         | 63.7        | 64.6         |
| 49                  | <b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....                   | 138.3       | 142.2        | 150.7        | 152.9       | 155.9        |
| 491                 | Electric services .....   | 62.4        | 64.0         | 69.5         | 70.6        | 72.0         |
| 492                 | Gas production and distribution .....                               | 34.5        | 35.7         | 35.6         | 36.2        | 37.3         |
| 493                 | Combination utility services .....                                  | 31.9        | 32.9         | 35.2         | 35.7        | 35.7         |
| 495                 | Sanitary services .....   | 4.7         | 4.8          | 5.6          | 5.6         | 5.8          |
|                     | <b>WHOLESALE AND RETAIL TRADE</b> .....                             | 8,682       | 8,711        | 8,830        | 8,923       | 8,970        |
| 50,51               | <b>WHOLESALE TRADE</b> .....  | 1,310       | 1,323        | 1,352        | 1,360       | 1,365        |
| 50                  | <b>WHOLESALE TRADE-DURABLE GOODS</b> .....                          | 728         | 736          | 760          | 761         | 758          |
| 501                 | Motor vehicles and automotive equipment .....                       | 96.1        | 96.5         | 93.2         | 92.3        | 92.3         |
| 502                 | Furniture and home furnishings .....                                | 40.1        | 40.3         | 44.4         | 43.9        | 43.9         |
| 503                 | Lumber and construction materials .....                             | 33.4        | 33.5         | 34.4         | 34.3        | 34.3         |
| 504                 | Sporting goods, toys, and hobby goods .....                         | 23.3        | 24.1         | 24.5         | 24.6        | 24.2         |
| 505                 | Metals and minerals, except petroleum .....                         | 27.3        | 27.7         | 29.4         | 29.8        | 29.4         |
| 506                 | Electrical goods .....  | 113.5       | 114.1        | 117.9        | 118.0       | 118.3        |
| 507                 | Hardware, plumbing, and heating equipment .....                     | 67.6        | 68.5         | 68.6         | 67.7        | 67.1         |
| 508                 | Machinery, equipment, and supplies .....                            | 276.8       | 281.7        | 298.7        | 300.6       | 300.9        |
| 509                 | Miscellaneous durable goods .....                                   | 49.5        | 50.0         | 49.3         | 49.8        | 47.9         |
| 51                  | <b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....                       | 582         | 587          | 592          | 599         | 607          |
| 511                 | Paper and paper products .....                                      | 42.7        | 43.1         | 44.3         | 44.6        | 45.3         |
| 512                 | Drugs, proprietaries, and sundries .....                            | 64.9        | 64.6         | 67.0         | 66.7        | 66.7         |
| 513                 | Apparel, piece goods, and notions .....                             | 81.5        | 82.2         | 85.4         | 85.4        | 86.4         |
| 514                 | Groceries and related products .....                                | 142.7       | 147.0        | 145.2        | 150.9       | 155.1        |
| 516                 | Chemicals and allied products .....                                 | 31.4        | 32.0         | 32.1         | 32.6        | 33.1         |
| 517                 | Petroleum and petroleum products .....                              | 49.3        | 50.5         | 52.9         | 54.1        | 55.1         |
| 518                 | Beer, wine, and distilled beverages .....                           | 20.2        | 20.3         | 20.5         | 20.7        | 20.7         |
| 519                 | Miscellaneous nondurable goods .....                                | 112.3       | 112.6        | 113.8        | 114.6       | 114.3        |

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry   | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 52-59               | <b>RETAIL TRADE</b> .....                                  | 7,372       | 7,388        | 7,478        | 7,563       | 7,605        |
| 52                  | <b>BUILDING MATERIALS AND GARDEN<br/>SUPPLIES</b> .....    | 157.8       | 156.5        | 163.4        | 165.8       | 163.3        |
| 521                 | Lumber and other building materials .....                  | 63.0        | 64.0         | 63.9         | 65.0        | 65.1         |
| 526                 | Hardware stores .....                                      | 52.7        | 53.5         | 56.4         | 56.5        | 56.4         |
| 53                  | <b>GENERAL MERCHANDISE STORES</b> .....                    | 1,487.4     | 1,479.7      | 1,459.6      | 1,453.1     | 1,454.3      |
| 531                 | Department stores .....                                    | 1,187.5     | 1,174.9      | 1,167.1      | 1,156.5     | 1,157.7      |
| 533                 | Variety stores .....                                       | 214.8       | 214.0        | 201.7        | 204.4       | 204.1        |
| 539                 | Misc. general merchandise stores .....                     | 85.1        | 90.8         | 90.8         | 92.2        | 92.5         |
| 54                  | <b>FOOD STORES</b> .....                                   | 940.4       | 944.3        | 997.1        | 1,005.8     | 1,013.2      |
| 541                 | Grocery stores .....                                       | 784.1       | 787.9        | 831.6        | 840.6       | 847.6        |
| 542                 | Meat markets and freezer provisioners .....                | 16.7        | 17.4         | 17.5         | 17.8        | 17.3         |
| 546                 | Retail bakeries .....                                      | 75.8        | 76.1         | 79.2         | 79.8        | 79.5         |
| 55                  | <b>AUTOMOTIVE DEALERS AND SERVICE<br/>STATIONS</b> .....   | 315.6       | 320.4        | 318.8        | 316.6       | 318.8        |
| 551.2               | New and used car dealers .....                             | 126.9       | 126.4        | 119.4        | 116.9       | 114.4        |
| 553                 | Auto and home supply stores .....                          | 49.3        | 50.4         | 47.3         | 47.7        | 47.8         |
| 554                 | Gasoline service stations .....                            | 122.7       | 124.6        | 133.3        | 133.7       | 137.9        |
| 56                  | <b>APPAREL AND ACCESSORY STORES</b> .....                  | 645.6       | 644.9        | 657.6        | 658.4       | 656.5        |
| 561                 | Men's and boys' clothing and furnishings .....             | 59.4        | 60.3         | 60.0         | 59.8        | 60.5         |
| 562                 | Women's ready-to-wear stores .....                         | 313.3       | 309.8        | 311.8        | 312.7       | 308.6        |
| 565                 | Family clothing stores .....                               | 125.9       | 127.3        | 134.6        | 135.5       | 136.4        |
| 566                 | Shoe stores .....  | 76.2        | 75.2         | 77.6         | 76.9        | 76.8         |
| 57                  | <b>FURNITURE AND HOME FURNISHING<br/>STORES</b> .....      | 196.5       | 198.4        | 201.5        | 199.7       | 196.7        |
| 571                 | Furniture and home furnishings .....                       | 131.9       | 131.9        | 133.8        | 132.9       | 133.2        |
| 572                 | Household appliance stores .....                           | 22.3        | 23.4         | 22.3         | 22.0        | 21.7         |
| 573                 | Radio, television, and music stores .....                  | 42.3        | 43.1         | 45.4         | 44.8        | 41.8         |
| 58                  | <b>EATING AND DRINKING PLACES</b> .....                    | 2,631.9     | 2,660.5      | 2,679.0      | 2,754.4     | 2,804.3      |
| 59                  | <b>MISCELLANEOUS RETAIL</b> .....                          | 997.0       | 982.8        | 1,001.3      | 1,008.7     | 998.3        |
| 591                 | Drug stores and proprietary stores .....                   | 300.9       | 303.9        | 310.1        | 312.3       | 311.7        |
| 592                 | Liquor stores .....  | 32.9        | 32.2         | 30.7         | 30.6        | 31.2         |
| 594                 | Miscellaneous shopping goods stores .....                  | 333.3       | 333.3        | 344.5        | 348.2       | 346.7        |
| 596                 | Nonstore retailers .....                                   | 152.9       | 150.6        | 153.9        | 149.3       | 146.4        |
| 598                 | Fuel and ice dealers .....                                 | 23.2        | 22.7         | 23.7         | 23.3        | 23.0         |
| 599                 | Retail stores, nec .....                                   | 131.8       | 117.8        | 117.6        | 124.3       | 118.0        |
| -                   | <b>FINANCE, INSURANCE, AND<br/>REAL ESTATE</b> .....       | 2,845       | 2,892        | 3,009        | 3,014       | 3,036        |
| 60                  | <b>BANKING</b> .....                                       | 1,034.9     | 1,049.0      | 1,087.6      | 1,089.5     | 1,100.3      |
| 602                 | Commercial and stock savings banks .....                   | 953.4       | 966.5        | 1,001.9      | 1,003.4     | 1,012.8      |
| 61                  | <b>CREDIT AGENCIES OTHER THAN BANKS</b> .....              | 355.8       | 361.1        | 368.3        | 364.2       | 363.5        |
| 612                 | Savings and loan associations .....                        | 168.6       | 171.6        | 174.9        | 174.1       | 174.2        |
| 614                 | Personal credit institutions .....                         | 119.8       | 121.2        | 126.4        | 123.8       | 123.0        |
| 62                  | <b>SECURITY, COMMODITY BROKERS,<br/>AND SERVICES</b> ..... | 75.2        | 76.9         | 84.1         | 84.7        | 86.7         |
| 621                 | Security brokers and dealers .....                         | 59.2        | 60.4         | 66.2         | 66.6        | 67.8         |
| 63                  | <b>INSURANCE CARRIERS</b> .....                            | 710.5       | 717.2        | 750.1        | 750.6       | 754.1        |
| 631                 | Life insurance .....                                       | 266.4       | 268.7        | 292.6        | 294.8       | 297.4        |
| 632                 | Medical service and health insurance .....                 | 97.8        | 98.2         | 101.3        | 101.3       | 101.4        |
| 633                 | Fire, marine, and casualty insurance .....                 | 295.6       | 298.9        | 308.5        | 309.3       | 310.5        |
| 64                  | <b>INSURANCE AGENTS, BROKERS,<br/>AND SERVICE</b> .....    | 259.9       | 263.1        | 280.1        | 280.9       | 282.2        |
| 65                  | <b>REAL ESTATE</b> .....                                   | 337.7       | 352.0        | 360.6        | 366.4       | 371.5        |
| 651                 | Real estate operators and lessors .....                    | 131.5       | 135.3        | 139.8        | 142.8       | 145.0        |
| 653                 | Real estate agents and managers .....                      | 165.7       | 168.8        | 172.0        | 174.0       | 176.4        |
| 655                 | Subdividers and developers .....                           | 23.7        | 31.1         | 33.6         | 34.8        | 35.5         |
| 66                  | <b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....         | 14.7        | 15.0         | 15.2         | 14.9        | 15.0         |
| 67                  | <b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....          | 56.5        | 57.7         | 62.7         | 62.3        | 63.1         |
| -                   | <b>SERVICES</b> .....                                      | 9,908       | 9,960        | 10,292       | 10,355      | 10,388       |
| 70                  | <b>HOTELS AND OTHER LODGING PLACES</b> .....               | 573.6       | 601.5        | 575.9        | 595.2       | 621.3        |
| 701                 | Hotels, motels, and tourist courts .....                   | 555.8       | 577.2        | 556.9        | 575.8       | 594.5        |

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry — Continued**

[In thousands]

| 1972<br>SIC<br>Code | Industry   | May<br>1979 | June<br>1979 | Apr.<br>1980 | May<br>1980 | June<br>1980 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 72                  | <b>PERSONAL SERVICES</b> .....   | 624.3       | 618.1        | 652.8        | 638.5       | 630.6        |
| 721                 | Laundry, cleaning, and garment services .....  | 227.9       | 227.5        | 222.8        | 224.4       | 224.0        |
| 723                 | Beauty shops .....   | 264.1       | 261.0        | 260.0        | 262.5       | 261.6        |
| 726                 | Funeral service and crematories .....  | 18.1        | 17.9         | 18.9         | 19.6        | 19.6         |
| 73                  | <b>BUSINESS SERVICES</b> .....   | 1,215.2     | 1,232.1      | 1,258.8      | 1,258.6     | 1,260.7      |
| 731                 | Advertising .....  | 66.1        | 66.7         | 68.9         | 69.4        | 69.0         |
| 732                 | Credit reporting and collection .....  | 58.5        | 57.8         | 52.5         | 51.5        | 51.1         |
| 733                 | Mailing, reproduction, stenographic .....  | 54.0        | 53.8         | 59.7         | 58.4        | 59.3         |
| 734                 | Services to buildings .....  | 173.9       | 179.1        | 187.2        | 186.7       | 189.0        |
| 736                 | Personnel supply services .....  | 295.0       | 298.4        | 300.6        | 303.6       | 293.2        |
| 737                 | Computer and data processing services .....  | 123.4       | 124.2        | 134.0        | 131.7       | 134.0        |
| 75                  | <b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....  | 96.4        | 96.5         | 99.8         | 98.4        | 99.0         |
| 753                 | Automotive repair shops .....  | 43.3        | 43.5         | 43.6         | 42.9        | 43.2         |
| 76                  | <b>MISCELLANEOUS REPAIR SERVICES</b> .....   | 56.5        | 58.0         | 63.2         | 62.4        | 62.0         |
| 78                  | <b>MOTION PICTURES</b> .....   | 85.6        | 87.5         | 83.6         | 83.4        | 87.8         |
| 781                 | Motion picture production and services .....   | 23.6        | 23.3         | 26.0         | 23.9        | 24.8         |
| 783                 | Motion picture theaters .....  | 56.4        | 58.6         | 52.0         | 53.9        | 57.1         |
| 79                  | <b>AMUSEMENT AND RECREATION SERVICES</b> .....   | 290.0       | 315.0        | 273.7        | 301.6       | 329.2        |
| 80                  | <b>HEALTH SERVICES</b> .....   | 4,015.0     | 4,068.7      | 4,195.5      | 4,215.8     | 4,260.6      |
| 801                 | Offices of physicians .....  | 559.9       | 566.8        | 583.0        | 584.7       | 587.7        |
| 802                 | Offices of dentists .....  | 276.1       | 279.7        | 288.2        | 290.1       | 292.6        |
| 805                 | Nursing and personal care facilities .....   | 839.2       | 853.8        | 873.9        | 880.6       | 891.2        |
| 806                 | Hospitals .....  | 2,073.6     | 2,099.8      | 2,165.5      | 2,173.2     | 2,201.7      |
| 81                  | <b>LEGAL SERVICES</b> .....  | 318.0       | 324.7        | 336.4        | 338.5       | 343.9        |
| 82                  | <b>EDUCATIONAL SERVICES</b> .....  | 569.7       | 503.2        | 600.5        | 589.2       | 523.2        |
| 821                 | Elementary and secondary schools .....   | 158.8       | 151.5        | 167.5        | 168.8       | 160.1        |
| 822                 | Colleges and universities .....  | 344.6       | 286.4        | 362.7        | 350.5       | 293.7        |
| 83                  | <b>SOCIAL SERVICES</b> .....   | 810.2       | 807.3        | 849.3        | 864.9       | 852.3        |
| 89                  | <b>MISCELLANEOUS SERVICES</b> .....  | 281.4       | 286.4        | 322.8        | 316.7       | 320.9        |
| 891                 | Engineering and architectural services .....   | 101.5       | 105.1        | 114.3        | 115.0       | 117.7        |
| 893                 | Accounting, auditing, and bookkeeping .....  | 126.3       | 127.1        | 148.8        | 141.5       | 142.3        |
| -                   | <b>GOVERNMENT</b> .....  | 7,599       | 7,453        | 8,007        | 7,934       | 7,759        |
| -                   | <b>FEDERAL GOVERNMENT</b> .....  | 860         | 877          | 1,002        | 945         | 957          |
| -                   | <b>STATE AND LOCAL GOVERNMENT</b> .....  | 6,739       | 6,576        | 7,005        | 6,989       | 6,802        |
| -                   | State government .....   | 1,575.6     | 1,500.9      | 1,680.1      | 1,647.7     | 1,565.0      |
| -                   | Hospitals .....  | 319.4       | 318.9        | 345.4        | 347.0       | 348.7        |
| -                   | State education .....  | 638.0       | 558.3        | 707.3        | 677.7       | 592.3        |
| -                   | General administration including executive,<br>legislative, and judicial functions ..... | 422.3       | 421.8        | 422.6        | 418.7       | 417.0        |
| -                   | Local government .....   | 5,163.5     | 5,075.1      | 5,325.1      | 5,341.4     | 5,237.1      |
| -                   | Transportation and public utilities .....  | 89.2        | 89.7         | 96.4         | 97.3        | 99.4         |
| -                   | Hospitals .....  | 437.2       | 443.9        | 472.1        | 473.0       | 477.2        |
| -                   | Local education .....  | 3,470.9     | 3,313.9      | 3,512.3      | 3,523.2     | 3,358.2      |
| -                   | General administration including executive,<br>legislative, and judicial functions ..... | 956.9       | 1,001.7      | 1,019.4      | 1,021.0     | 1,064.6      |

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED EMPLOYMENT**

**B-4. Employees on nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

| Industry division and group                      | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July p | Aug. p |
| <b>TOTAL</b> .....                               | 90,222 | 90,283 | 90,441 | 90,552 | 90,678 | 91,031 | 91,186 | 91,144 | 90,951 | 90,468 | 90,047 | 89,865 | 90,066 |
| <b>GOODS-PRODUCING</b> .....                     | 26,528 | 26,554 | 26,554 | 26,504 | 26,590 | 26,715 | 26,623 | 26,476 | 26,121 | 25,745 | 25,422 | 25,142 | 25,275 |
| <b>MINING</b> .....                              | 974    | 976    | 982    | 985    | 992    | 999    | 1,007  | 1,009  | 1,012  | 1,023  | 1,029  | 1,011  | 1,017  |
| <b>CONSTRUCTION</b> .....                        | 4,499  | 4,507  | 4,529  | 4,553  | 4,615  | 4,745  | 4,659  | 4,529  | 4,467  | 4,436  | 4,379  | 4,319  | 4,355  |
| <b>MANUFACTURING</b> .....                       | 21,055 | 21,071 | 21,043 | 20,966 | 20,983 | 20,971 | 20,957 | 20,938 | 20,642 | 20,286 | 20,014 | 19,812 | 19,903 |
| <b>DURABLE GOODS</b> .....                       | 12,782 | 12,822 | 12,764 | 12,693 | 12,706 | 12,681 | 12,715 | 12,707 | 12,442 | 12,140 | 11,947 | 11,807 | 11,829 |
| Lumber and wood products .....                   | 764    | 767    | 768    | 757    | 746    | 743    | 745    | 737    | 689    | 654    | 648    | 645    | 655    |
| Furniture and fixtures .....                     | 499    | 497    | 498    | 498    | 497    | 497    | 495    | 494    | 491    | 472    | 464    | 448    | 445    |
| Stone, clay, and glass products .....            | 710    | 708    | 709    | 704    | 704    | 705    | 705    | 700    | 680    | 663    | 647    | 642    | 650    |
| Primary metal industries .....                   | 1,250  | 1,242  | 1,236  | 1,230  | 1,219  | 1,215  | 1,214  | 1,209  | 1,193  | 1,144  | 1,096  | 1,050  | 1,055  |
| Fabricated metal products .....                  | 1,713  | 1,723  | 1,723  | 1,722  | 1,718  | 1,707  | 1,711  | 1,711  | 1,678  | 1,620  | 1,584  | 1,548  | 1,567  |
| Machinery, except electrical .....               | 2,509  | 2,518  | 2,478  | 2,460  | 2,459  | 2,532  | 2,529  | 2,530  | 2,518  | 2,517  | 2,476  | 2,448  | 2,445  |
| Electric and electronic equipment .....          | 2,109  | 2,140  | 2,149  | 2,150  | 2,163  | 2,169  | 2,168  | 2,176  | 2,167  | 2,127  | 2,094  | 2,078  | 2,060  |
| Transportation equipment .....                   | 2,089  | 2,090  | 2,063  | 2,033  | 2,057  | 1,970  | 2,006  | 2,006  | 1,885  | 1,819  | 1,831  | 1,836  | 1,842  |
| Instruments and related products .....           | 693    | 693    | 696    | 695    | 698    | 699    | 702    | 705    | 703    | 700    | 696    | 697    | 695    |
| Miscellaneous manufacturing ind. ....            | 446    | 444    | 444    | 444    | 445    | 444    | 440    | 439    | 438    | 424    | 414    | 415    | 411    |
| <b>NONDURABLE GOODS</b> .....                    | 8,273  | 8,249  | 8,279  | 8,273  | 8,277  | 8,290  | 8,242  | 8,231  | 8,200  | 8,146  | 8,067  | 8,005  | 8,074  |
| Food and kindred products .....                  | 1,722  | 1,712  | 1,723  | 1,725  | 1,724  | 1,716  | 1,713  | 1,704  | 1,690  | 1,651  | 1,677  | 1,685  | 1,679  |
| Tobacco manufactures .....                       | 70     | 70     | 70     | 64     | 66     | 67     | 68     | 68     | 69     | 70     | 71     | 68     | 67     |
| Textile mill products .....                      | 883    | 881    | 885    | 887    | 889    | 888    | 888    | 888    | 884    | 869    | 843    | 832    | 851    |
| Apparel and other textile products .....         | 1,305  | 1,298  | 1,302  | 1,294  | 1,296  | 1,305  | 1,313  | 1,316  | 1,302  | 1,291  | 1,287  | 1,274  | 1,304  |
| Paper and allied products .....                  | 708    | 708    | 709    | 708    | 708    | 710    | 709    | 708    | 702    | 692    | 685    | 680    | 682    |
| Printing and publishing .....                    | 1,244  | 1,245  | 1,251  | 1,259  | 1,261  | 1,269  | 1,273  | 1,274  | 1,272  | 1,268  | 1,269  | 1,265  | 1,263  |
| Chemicals and allied products .....              | 1,110  | 1,110  | 1,114  | 1,116  | 1,118  | 1,121  | 1,121  | 1,123  | 1,123  | 1,120  | 1,112  | 1,101  | 1,097  |
| Petroleum and coal products .....                | 209    | 211    | 212    | 212    | 213    | 214    | 161    | 157    | 175    | 203    | 205    | 206    | 207    |
| Rubber and misc. plastic products .....          | 774    | 767    | 766    | 762    | 756    | 755    | 751    | 749    | 740    | 703    | 681    | 663    | 683    |
| Leather and leather products .....               | 248    | 247    | 247    | 246    | 246    | 245    | 245    | 244    | 243    | 239    | 237    | 231    | 241    |
| <b>SERVICE-PRODUCING</b> .....                   | 63,694 | 63,729 | 63,887 | 64,048 | 64,088 | 64,316 | 64,563 | 64,668 | 64,830 | 64,723 | 64,625 | 64,723 | 64,791 |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 5,182  | 5,185  | 5,203  | 5,216  | 5,212  | 5,202  | 5,198  | 5,202  | 5,178  | 5,167  | 5,134  | 5,110  | 5,121  |
| <b>WHOLESALE AND RETAIL TRADE</b> .....          | 20,301 | 20,352 | 20,414 | 20,479 | 20,448 | 20,529 | 20,637 | 20,610 | 20,531 | 20,487 | 20,459 | 20,487 | 20,555 |
| <b>WHOLESALE TRADE</b> .....                     | 5,222  | 5,228  | 5,246  | 5,269  | 5,251  | 5,278  | 5,302  | 5,301  | 5,286  | 5,268  | 5,245  | 5,240  | 5,257  |
| <b>RETAIL TRADE</b> .....                        | 15,079 | 15,124 | 15,168 | 15,210 | 15,197 | 15,251 | 15,335 | 15,309 | 15,245 | 15,219 | 15,214 | 15,247 | 15,298 |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 5,019  | 5,017  | 5,033  | 5,049  | 5,064  | 5,091  | 5,101  | 5,115  | 5,119  | 5,137  | 5,150  | 5,166  | 5,171  |
| <b>SERVICES</b> .....                            | 17,152 | 17,192 | 17,264 | 17,308 | 17,362 | 17,462 | 17,540 | 17,580 | 17,618 | 17,659 | 17,652 | 17,748 | 17,773 |
| <b>GOVERNMENT</b> .....                          | 16,040 | 15,983 | 15,973 | 15,996 | 16,002 | 16,032 | 16,087 | 16,161 | 16,384 | 16,273 | 16,230 | 16,212 | 16,171 |
| <b>FEDERAL</b> .....                             | 2,811  | 2,762  | 2,769  | 2,773  | 2,773  | 2,791  | 2,826  | 2,886  | 3,115  | 2,960  | 2,951  | 2,893  | 2,840  |
| <b>STATE AND LOCAL</b> .....                     | 13,229 | 13,221 | 13,204 | 13,223 | 13,229 | 13,241 | 13,261 | 13,275 | 13,269 | 13,313 | 13,279 | 13,319 | 13,331 |

p=preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

**B-5. Women employees on nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

| Industry division and group                      | 1979   |        |        |        |        |        |        | 1980   |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   |
| <b>TOTAL</b> .....                               | 37,021 | 37,230 | 37,431 | 37,350 | 37,521 | 37,693 | 37,739 | 37,941 | 38,139 | 38,157 | 38,213 | 38,059 | 37,997 |
| <b>GOODS-PRODUCING</b> .....                     | 6,945  | 6,963  | 6,992  | 6,935  | 6,965  | 6,967  | 6,990  | 7,010  | 7,017  | 7,025  | 6,965  | 6,832  | 6,742  |
| <b>MINING</b> <sup>1</sup> .....                 | 92     | 94     | 95     | 93     | 94     | 95     | 95     | 95     | 97     | 99     | 100    | 102    | 105    |
| <b>CONSTRUCTION</b> .....                        | 356    | 362    | 362    | 366    | 367    | 371    | 373    | 375    | 377    | 380    | 382    | 382    | 380    |
| <b>MANUFACTURING</b> .....                       | 6,497  | 6,507  | 6,455  | 6,476  | 6,504  | 6,501  | 6,522  | 6,540  | 6,543  | 6,546  | 6,483  | 6,348  | 6,257  |
| <b>DURABLE GOODS</b> .....                       | 3,110  | 3,116  | 3,077  | 3,115  | 3,119  | 3,120  | 3,136  | 3,140  | 3,141  | 3,148  | 3,103  | 3,008  | 2,954  |
| Lumber and wood products .....                   | 115    | 114    | 114    | 116    | 116    | 113    | 112    | 111    | 112    | 112    | 104    | 98     | 95     |
| Furnitures and fixtures .....                    | 146    | 148    | 148    | 147    | 147    | 147    | 147    | 147    | 146    | 146    | 146    | 140    | 136    |
| Stone, clay, and glass products .....            | 134    | 134    | 133    | 134    | 134    | 134    | 135    | 135    | 135    | 135    | 132    | 127    | 124    |
| Primary metal industries <sup>1</sup> .....      | 138    | 137    | 135    | 135    | 134    | 134    | 133    | 132    | 132    | 132    | 131    | 123    | 121    |
| Fabricated metal products .....                  | 361    | 361    | 360    | 360    | 361    | 362    | 362    | 362    | 362    | 361    | 352    | 334    | 323    |
| Machinery, except electrical <sup>1</sup> .....  | 474    | 477    | 475    | 483    | 483    | 486    | 489    | 500    | 501    | 503    | 500    | 495    | 492    |
| Electric and electronic equipment .....          | 906    | 914    | 898    | 911    | 916    | 918    | 929    | 932    | 933    | 937    | 931    | 906    | 888    |
| Transportation equipment <sup>1</sup> .....      | 331    | 326    | 308    | 324    | 322    | 320    | 320    | 311    | 310    | 311    | 298    | 286    | 286    |
| Instruments and related products .....           | 294    | 294    | 295    | 295    | 296    | 296    | 297    | 298    | 300    | 302    | 301    | 298    | 294    |
| Miscellaneous manufacturing ind. ....            | 211    | 211    | 211    | 210    | 210    | 210    | 212    | 212    | 210    | 209    | 208    | 201    | 195    |
| <b>NONDURABLE GOODS</b> .....                    | 3,387  | 3,391  | 3,378  | 3,361  | 3,385  | 3,381  | 3,386  | 3,400  | 3,402  | 3,398  | 3,380  | 3,340  | 3,303  |
| Food and kindred products .....                  | 511    | 506    | 507    | 499    | 512    | 510    | 511    | 510    | 509    | 503    | 500    | 499    | 491    |
| Tobacco manufactures .....                       | 26     | 25     | 25     | 26     | 26     | 23     | 23     | 24     | 24     | 24     | 25     | 25     | 25     |
| Textile mill products .....                      | 420    | 419    | 419    | 419    | 420    | 422    | 424    | 423    | 424    | 424    | 422    | 415    | 401    |
| Apparel and other textile products .....         | 1,061  | 1,072  | 1,057  | 1,051  | 1,055  | 1,050  | 1,050  | 1,059  | 1,064  | 1,066  | 1,056  | 1,047  | 1,042  |
| Paper and allied products .....                  | 161    | 162    | 162    | 161    | 162    | 161    | 161    | 162    | 162    | 162    | 162    | 159    | 156    |
| Printing and publishing .....                    | 478    | 482    | 484    | 487    | 490    | 494    | 496    | 500    | 502    | 503    | 502    | 501    | 502    |
| Chemicals and allied products .....              | 273    | 273    | 272    | 271    | 274    | 276    | 278    | 278    | 280    | 280    | 280    | 278    | 278    |
| Petroleum and coal products <sup>1</sup> .....   | 27     | 27     | 27     | 27     | 27     | 27     | 28     | 28     | 23     | 23     | 24     | 27     | 28     |
| Rubber and misc. plastics products .....         | 277    | 281    | 275    | 270    | 269    | 268    | 266    | 267    | 265    | 264    | 261    | 244    | 236    |
| Leather and leather products .....               | 153    | 144    | 150    | 150    | 150    | 150    | 149    | 149    | 149    | 149    | 148    | 145    | 144    |
| <b>SERVICE-PRODUCING</b> .....                   | 30,076 | 30,267 | 30,519 | 30,415 | 30,556 | 30,726 | 30,749 | 30,931 | 31,122 | 31,132 | 31,248 | 31,227 | 31,255 |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 1,239  | 1,241  | 1,249  | 1,258  | 1,262  | 1,274  | 1,273  | 1,273  | 1,280  | 1,263  | 1,286  | 1,290  | 1,286  |
| <b>WHOLESALE AND RETAIL TRADE</b> ..             | 8,718  | 8,751  | 8,781  | 8,804  | 8,842  | 8,875  | 8,846  | 8,926  | 8,995  | 8,973  | 8,947  | 8,943  | 8,981  |
| <b>WHOLESALE TRADE</b> .....                     | 1,318  | 1,326  | 1,327  | 1,330  | 1,333  | 1,341  | 1,343  | 1,351  | 1,361  | 1,365  | 1,363  | 1,365  | 1,361  |
| <b>RETAIL TRADE</b> .....                        | 7,400  | 7,425  | 7,454  | 7,474  | 7,509  | 7,534  | 7,503  | 7,575  | 7,634  | 7,608  | 7,584  | 7,578  | 7,620  |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 2,875  | 2,887  | 2,906  | 2,912  | 2,930  | 2,941  | 2,952  | 2,982  | 3,001  | 3,008  | 3,018  | 3,023  | 3,018  |
| <b>SERVICES</b> .....                            | 9,883  | 9,924  | 9,955  | 9,991  | 10,031 | 10,063 | 10,094 | 10,150 | 10,225 | 10,217 | 10,261 | 10,303 | 10,306 |
| <b>GOVERNMENT</b> .....                          | 7,361  | 7,464  | 7,628  | 7,450  | 7,491  | 7,573  | 7,584  | 7,600  | 7,621  | 7,651  | 7,736  | 7,668  | 7,664  |
| <b>FEDERAL</b> .....                             | 858    | 859    | 874    | 863    | 864    | 863    | 869    | 873    | 885    | 912    | 1,000  | 941    | 936    |
| <b>STATE AND LOCAL</b> .....                     | 6,503  | 6,605  | 6,754  | 6,587  | 6,627  | 6,710  | 6,715  | 6,727  | 6,736  | 6,739  | 6,736  | 6,727  | 6,728  |

<sup>1</sup> The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-6. Production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(In thousands)

| Industry division and group                      | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug. P |
| <b>TOTAL PRIVATE</b> .....                       | 60,582 | 60,667 | 60,795 | 60,857 | 60,958 | 61,206 | 61,208 | 61,124 | 60,725 | 60,325 | 59,964 | 59,855 | 60,080 |
| <b>GOODS-PRODUCING</b> .....                     | 19,369 | 19,386 | 19,368 | 19,306 | 19,382 | 19,471 | 19,371 | 19,181 | 18,814 | 18,438 | 18,144 | 17,895 | 18,007 |
| <b>MINING</b> .....                              | 731    | 734    | 736    | 737    | 740    | 746    | 750    | 750    | 755    | 764    | 770    | 752    | 750    |
| <b>CONSTRUCTION</b> .....                        | 3,592  | 3,594  | 3,607  | 3,621  | 3,686  | 3,814  | 3,750  | 3,581  | 3,509  | 3,488  | 3,443  | 3,386  | 3,411  |
| <b>MANUFACTURING</b> .....                       | 15,046 | 15,058 | 15,025 | 14,948 | 14,956 | 14,911 | 14,871 | 14,850 | 14,550 | 14,186 | 13,931 | 13,757 | 13,846 |
| <b>DURABLE GOODS</b> .....                       | 9,103  | 9,129  | 9,069  | 9,001  | 9,009  | 8,953  | 8,967  | 8,961  | 8,686  | 8,386  | 8,205  | 8,082  | 8,101  |
| Lumber and wood products .....                   | 652    | 654    | 656    | 644    | 633    | 629    | 629    | 621    | 577    | 544    | 538    | 538    | 550    |
| Furniture and fixtures .....                     | 406    | 405    | 406    | 406    | 405    | 404    | 403    | 401    | 398    | 360    | 369    | 359    | 356    |
| Stone, clay, and glass products .....            | 559    | 558    | 556    | 553    | 553    | 554    | 553    | 549    | 530    | 513    | 498    | 493    | 501    |
| Primary metal industries .....                   | 983    | 975    | 968    | 962    | 952    | 948    | 945    | 941    | 924    | 877    | 832    | 795    | 801    |
| Fabricated metal products .....                  | 1,290  | 1,301  | 1,299  | 1,298  | 1,293  | 1,282  | 1,286  | 1,286  | 1,252  | 1,195  | 1,166  | 1,135  | 1,152  |
| Machinery, except electrical .....               | 1,644  | 1,656  | 1,625  | 1,613  | 1,606  | 1,659  | 1,649  | 1,649  | 1,630  | 1,622  | 1,586  | 1,561  | 1,554  |
| Electric and electronic equipment .....          | 1,377  | 1,398  | 1,403  | 1,397  | 1,409  | 1,414  | 1,408  | 1,413  | 1,400  | 1,358  | 1,320  | 1,307  | 1,285  |
| Transportation equipment .....                   | 1,430  | 1,423  | 1,397  | 1,371  | 1,397  | 1,304  | 1,336  | 1,339  | 1,220  | 1,159  | 1,172  | 1,171  | 1,179  |
| Instruments and related products .....           | 421    | 420    | 421    | 419    | 421    | 421    | 423    | 427    | 423    | 419    | 415    | 414    | 415    |
| Miscellaneous manufacturing ind. ....            | 341    | 339    | 338    | 338    | 340    | 338    | 335    | 335    | 332    | 319    | 309    | 309    | 308    |
| <b>NONDURABLE GOODS</b> .....                    | 5,943  | 5,929  | 5,956  | 5,947  | 5,947  | 5,958  | 5,904  | 5,889  | 5,864  | 5,800  | 5,726  | 5,675  | 5,745  |
| Food and kindred products .....                  | 1,181  | 1,172  | 1,184  | 1,187  | 1,188  | 1,182  | 1,177  | 1,169  | 1,157  | 1,157  | 1,143  | 1,151  | 1,145  |
| Tobacco manufactures .....                       | 55     | 56     | 56     | 49     | 52     | 53     | 53     | 53     | 54     | 55     | 55     | 54     | 52     |
| Textile mill products .....                      | 769    | 768    | 772    | 773    | 776    | 776    | 775    | 775    | 771    | 756    | 731    | 721    | 740    |
| Apparel and other textile products .....         | 1,114  | 1,110  | 1,114  | 1,108  | 1,108  | 1,117  | 1,123  | 1,126  | 1,111  | 1,100  | 1,097  | 1,090  | 1,112  |
| Paper and allied products .....                  | 538    | 538    | 539    | 538    | 537    | 539    | 538    | 537    | 532    | 522    | 515    | 509    | 513    |
| Printing and publishing .....                    | 704    | 706    | 709    | 715    | 714    | 718    | 719    | 717    | 715    | 709    | 711    | 706    | 707    |
| Chemicals and allied products .....              | 632    | 633    | 635    | 636    | 637    | 639    | 637    | 636    | 637    | 632    | 625    | 614    | 614    |
| Petroleum and coal products .....                | 136    | 137    | 137    | 137    | 138    | 139    | 91     | 88     | 109    | 131    | 131    | 133    | 134    |
| Rubber and misc. plastics products .....         | 604    | 599    | 599    | 595    | 589    | 588    | 584    | 582    | 573    | 537    | 518    | 504    | 525    |
| Leather and leather products .....               | 210    | 210    | 211    | 209    | 208    | 207    | 207    | 206    | 205    | 201    | 200    | 193    | 203    |
| <b>SERVICE-PRODUCING</b> .....                   | 41,213 | 41,281 | 41,427 | 41,551 | 41,576 | 41,735 | 41,937 | 41,943 | 41,911 | 41,867 | 41,820 | 41,960 | 42,073 |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 4,341  | 4,342  | 4,360  | 4,370  | 4,361  | 4,347  | 4,346  | 4,345  | 4,329  | 4,314  | 4,282  | 4,260  | 4,278  |
| <b>WHOLESALE AND RETAIL TRADE</b> ..             | 17,839 | 17,878 | 17,938 | 17,990 | 17,970 | 18,028 | 18,138 | 18,098 | 18,029 | 17,975 | 17,936 | 17,966 | 18,016 |
| <b>WHOLESALE TRADE</b> .....                     | 4,284  | 4,291  | 4,306  | 4,321  | 4,318  | 4,332  | 4,348  | 4,347  | 4,334  | 4,308  | 4,284  | 4,280  | 4,297  |
| <b>RETAIL TRADE</b> .....                        | 13,555 | 13,587 | 13,632 | 13,669 | 13,652 | 13,696 | 13,790 | 13,751 | 13,695 | 13,667 | 13,652 | 13,686 | 13,719 |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 3,812  | 3,805  | 3,811  | 3,819  | 3,822  | 3,844  | 3,860  | 3,869  | 3,873  | 3,893  | 3,898  | 3,912  | 3,925  |
| <b>SERVICES</b> .....                            | 15,221 | 15,256 | 15,318 | 15,372 | 15,423 | 15,516 | 15,593 | 15,631 | 15,680 | 15,705 | 15,704 | 15,822 | 15,854 |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

Preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

**B-7. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased**

| Year and month | Over 1-month span | Over 3-month span | Over 6-month span | Over 12-month span |
|----------------|-------------------|-------------------|-------------------|--------------------|
| 1977           |                   |                   |                   |                    |
| January.....   | 72.4              | 78.5              | 86.0              | 79.1               |
| February.....  | 66.9              | 84.3              | 85.8              | 80.8               |
| March.....     | 73.5              | 83.1              | 84.9              | 82.3               |
| April.....     | 72.4              | 83.4              | 80.8              | 83.4               |
| May.....       | 71.2              | 76.2              | 80.2              | 85.2               |
| June.....      | 65.1              | 71.2              | 77.9              | 86.0               |
| July.....      | 64.0              | 67.7              | 74.1              | 84.9               |
| August.....    | 60.5              | 72.1              | 76.7              | 82.6               |
| September..... | 70.1              | 72.1              | 79.1              | 82.3               |
| October.....   | 65.1              | 77.6              | 81.4              | 82.6               |
| November.....  | 71.8              | 78.5              | 84.6              | 80.8               |
| December.....  | 75.0              | 78.2              | 82.0              | 81.7               |
| 1978           |                   |                   |                   |                    |
| January.....   | 68.6              | 80.8              | 82.3              | 79.7               |
| February.....  | 68.6              | 77.3              | 82.8              | 82.3               |
| March.....     | 71.8              | 80.2              | 79.9              | 81.1               |
| April.....     | 69.8              | 74.7              | 74.7              | 84.6               |
| May.....       | 61.9              | 73.0              | 75.3              | 83.7               |
| June.....      | 64.2              | 66.6              | 74.7              | 82.6               |
| July.....      | 61.0              | 68.0              | 73.3              | 81.1               |
| August.....    | 67.7              | 70.1              | 77.6              | 79.9               |
| September..... | 67.2              | 74.1              | 80.5              | 79.1               |
| October.....   | 68.0              | 78.2              | 82.0              | 74.1               |
| November.....  | 75.3              | 81.1              | 79.1              | 76.7               |
| December.....  | 74.7              | 81.7              | 78.2              | 74.4               |
| 1979           |                   |                   |                   |                    |
| January.....   | 66.9              | 75.9              | 74.7              | 73.3               |
| February.....  | 66.3              | 70.3              | 71.8              | 70.6               |
| March.....     | 62.2              | 64.0              | 64.0              | 69.2               |
| April.....     | 49.7              | 60.2              | 60.5              | 67.7               |
| May.....       | 58.1              | 54.7              | 53.8              | 63.4               |
| June.....      | 57.8              | 59.9              | 51.5              | 58.4               |
| July.....      | 57.0              | 53.8              | 58.1              | 59.6               |
| August.....    | 54.4              | 52.0              | 55.5              | 54.9               |
| September..... | 52.9              | 57.6              | 55.2              | 50.6               |
| October.....   | 65.1              | 61.9              | 59.3              | 44.2               |
| November.....  | 55.2              | 61.9              | 63.1              | 40.4               |
| December.....  | 53.5              | 57.3              | 56.4              | 37.2               |
| 1980           |                   |                   |                   |                    |
| January.....   | 60.2              | 57.6              | 42.7              | 33.7p              |
| February.....  | 54.9              | 52.6              | 38.1              | 33.1p              |
| March.....     | 45.9              | 36.6              | 32.0              |                    |
| April.....     | 28.2              | 30.8              | 23.3p             |                    |
| May.....       | 29.1              | 24.1              | 26.5p             |                    |
| June.....      | 22.7              | 22.1p             |                   |                    |
| July.....      | 32.0p             | 34.3p             |                   |                    |
| August.....    | 57.3p             |                   |                   |                    |
| September..... |                   |                   |                   |                    |
| October.....   |                   |                   |                   |                    |
| November.....  |                   |                   |                   |                    |
| December.....  |                   |                   |                   |                    |

<sup>1</sup> Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.  
p = preliminary.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division**

(In thousands)

| State and area                            | Total     |           |            | Mining    |           |            | Construction |           |            | Manufacturing |           |            |
|---|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
|   | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979    | JUNE 1980 | JULY 1980P | JULY 1979     | JUNE 1980 | JULY 1980P |
| 1 ALABAMA .....                           | 1,369.8   | 1,345.2   | 1,332.1    | 16.8      | 17.3      | 17.2       | 79.4         | 67.7      | 68.0       | 375.6         | 360.0     | 344.2      |
| 2 Birmingham .....                        | 360.6     | 359.5     | (*)        | 9.9       | 10.2      | (*)        | 23.3         | 21.9      | (*)        | 71.0          | 64.8      | (*)        |
| 3 Huntsville .....                        | 122.0     | 120.2     | 117.7      | (1)       | (1)       | (1)        | 5.0          | 4.4       | 4.5        | 37.1          | 34.9      | 32.2       |
| 4 Mobile .....                            | 147.5     | 149.2     | 146.4      | (1)       | (1)       | (1)        | 10.5         | 9.6       | 9.6        | 29.1          | 28.7      | 25.5       |
| 5 Montgomery .....                        | 109.2     | 106.2     | 106.5      | (1)       | (1)       | (1)        | 9.4          | 7.6       | 7.4        | 16.4          | 16.5      | 16.0       |
| 6 Tuscaloosa .....                        | 49.1      | 48.7      | 48.6       | 1.4       | 1.9       | 1.9        | 3.1          | 2.7       | 2.8        | 9.2           | 8.7       | 8.4        |
| 7 ALASKA .....                            | 180.8     | 173.7     | (*)        | 5.8       | 6.4       | (*)        | 12.1         | 10.5      | (*)        | 20.9          | 15.5      | (*)        |
| 8 ARIZONA .....                           | 952.3     | 981.1     | 964.4      | 22.1      | 24.8      | 13.8       | 84.7         | 71.6      | 72.1       | 142.3         | 151.5     | 149.2      |
| 9 Phoenix .....                           | 596.2     | 619.5     | 615.4      | .2        | .3        | .3         | 55.0         | 47.7      | 47.7       | 105.4         | 110.9     | 110.8      |
| 10 Tucson .....                           | 169.3     | 174.8     | 173.4      | 6.9       | 7.7       | 6.0        | 15.1         | 13.2      | 13.0       | 18.2          | 20.7      | 20.9       |
| 11 ARKANSAS .....                         | 748.0     | 744.8     | 737.5      | 4.9       | 4.8       | 4.7        | 45.6         | 38.6      | 39.3       | 219.4         | 208.1     | 204.0      |
| 12 Fayetteville—Springdale .....          | 63.7      | 64.4      | 64.6       | (1)       | (1)       | (1)        | 3.6          | 3.5       | 3.5        | 19.8          | 18.7      | 18.8       |
| 13 Fort Smith .....                       | 67.9      | 65.4      | 64.6       | .7        | .8        | .9         | 3.5          | 2.9       | 3.0        | 24.9          | 21.1      | 19.9       |
| 14 Little Rock—North Little Rock .....    | 181.8     | 182.1     | 180.8      | (1)       | (1)       | (1)        | 10.3         | 9.7       | 9.5        | 32.1          | 30.1      | 29.8       |
| 15 Pine Bluff .....                       | 32.1      | 31.8      | 31.6       | (1)       | (1)       | (1)        | 3.2          | 3.3       | 3.2        | 6.2           | 6.0       | 5.9        |
| 16 CALIFORNIA .....                       | 9,602.5   | 9,820.5   | 9,673.0    | 40.0      | 41.1      | 41.1       | 474.1        | 418.8     | 375.5      | 2,018.0       | 1,966.5   | 1,967.5    |
| 17 Anaheim—Santa Ana—Garden Grove .....   | 801.5     | 838.4     | 821.3      | 2.4       | 2.2       | 2.2        | 51.7         | 47.0      | 44.1       | 217.7         | 219.7     | 220.1      |
| 18 Bakersfield .....                      | 126.9     | 130.7     | 128.6      | 10.7      | 11.0      | 11.0       | 7.0          | 6.5       | 6.5        | 9.4           | 9.7       | 9.7        |
| 19 Fresno .....                           | 179.4     | 186.2     | 184.1      | .9        | .9        | .9         | 13.2         | 12.9      | 13.1       | 24.7          | 23.3      | 24.6       |
| 20 Los Angeles—Long Beach .....           | 3,583.2   | 3,657.7   | 3,606.1    | 12.1      | 12.3      | 12.4       | 121.4        | 112.8     | 104.2      | 929.9         | 915.4     | 905.1      |
| 21 Modesto .....                          | 89.4      | 87.3      | 86.7       | .1        | .1        | .1         | 6.9          | 6.2       | 6.1        | 22.1          | 17.9      | 18.7       |
| 22 Oxnard—Simi Valley—Ventura .....       | 144.2     | 151.0     | 144.1      | 2.4       | 2.4       | 2.4        | 8.8          | 8.0       | 6.5        | 23.0          | 23.9      | 23.5       |
| 23 Riverside—San Bernardino—Ontario ..... | 422.3     | 444.3     | 434.5      | 2.7       | 2.5       | 2.5        | 30.2         | 29.9      | 29.7       | 67.2          | 66.3      | 66.3       |
| 24 Sacramento .....                       | 385.7     | 405.8     | 396.4      | .4        | .4        | .4         | 24.9         | 22.5      | 22.1       | 27.9          | 26.8      | 27.4       |
| 25 Salinas—Seaside—Monterey .....         | 87.5      | 87.6      | 85.2       | .6        | .7        | .7         | 3.8          | 2.9       | 2.9        | 10.3          | 9.0       | 8.6        |
| 26 San Diego .....                        | 627.2     | 648.6     | 624.7      | .7        | .7        | .7         | 41.0         | 36.5      | 22.4       | 102.3         | 103.0     | 103.0      |
| 27 San Francisco—Oakland .....            | 1,517.8   | 1,532.6   | 1,520.3    | 2.4       | 2.5       | 2.6        | 75.7         | 72.7      | 71.9       | 207.8         | 200.3     | 200.2      |
| 28 San Jose .....                         | 632.8     | 659.4     | 654.4      | .2        | .2        | .2         | 26.8         | 25.1      | 24.7       | 228.4         | 233.9     | 239.5      |
| 29 Santa Barbara—Santa Maria—Lompoc ..... | 119.4     | 121.1     | 119.7      | 1.2       | 1.2       | 1.2        | 5.4          | 5.3       | 5.1        | 17.0          | 16.0      | 15.9       |
| 30 Santa Rosa .....                       | 88.8      | 89.9      | 88.3       | .5        | .4        | .4         | 6.6          | 5.5       | 5.7        | 13.9          | 14.1      | 14.0       |
| 31 Stockton .....                         | 117.9     | 119.6     | 118.3      | .1        | .1        | .1         | 6.6          | 6.2       | 6.2        | 22.9          | 19.9      | 20.7       |
| 32 Vallejo—Fairfield—Napa .....           | 98.0      | 99.5      | 98.9       | .3        | .3        | .3         | 5.4          | 4.9       | 4.9        | 10.8          | 10.4      | 10.6       |
| 33 COLORADO .....                         | 1,219.2   | 1,258.8   | 1,249.8    | 31.1      | 33.6      | 34.0       | 85.9         | 81.7      | 82.5       | 182.1         | 183.2     | 182.4      |
| 34 Denver—Boulder .....                   | 776.6     | 804.5     | 799.4      | 16.6      | 17.9      | 18.2       | 51.1         | 47.8      | 48.0       | 124.6         | 127.3     | 126.6      |
| 35 CONNECTICUT .....                      | 1,406.4   | 1,417.8   | 1,395.8    | (2)       | (2)       | (2)        | 56.4         | 47.4      | 48.6       | 431.8         | 435.4     | 425.3      |
| 36 Bridgeport .....                       | 165.1     | 169.2     | (*)        | (2)       | (2)       | (*)        | 6.4          | 4.8       | (*)        | 65.3          | 65.2      | (*)        |
| 37 Hartford .....                         | 390.1     | 401.4     | (*)        | (2)       | (2)       | (*)        | 13.8         | 11.7      | (*)        | 96.4          | 99.6      | (*)        |
| 38 New Britain .....                      | 58.2      | 62.9      | (*)        | (2)       | (2)       | (*)        | 2.4          | 2.2       | (*)        | 26.7          | 29.0      | (*)        |
| 39 New Haven—West Haven .....             | 187.7     | 194.1     | (*)        | (2)       | (2)       | (*)        | 7.6          | 6.5       | (*)        | 47.3          | 43.6      | (*)        |
| 40 Stamford .....                         | 107.0     | 109.3     | (*)        | (2)       | (2)       | (*)        | 5.2          | 4.4       | (*)        | 31.4          | 31.7      | (*)        |
| 41 Waterbury .....                        | 88.3      | 89.3      | (*)        | (2)       | (2)       | (*)        | 3.7          | 3.0       | (*)        | 33.3          | 31.7      | (*)        |
| 42 DELAWARE .....                         | 261.1     | 258.2     | 256.3      | (1)       | (1)       | (1)        | 16.9         | 14.6      | 14.6       | 71.3          | 67.4      | 67.5       |
| 43 Wilmington .....                       | 226.5     | 220.3     | 218.2      | (1)       | (1)       | (1)        | 15.9         | 13.4      | 13.3       | 64.7          | 60.0      | 60.2       |
| 44 DISTRICT OF COLUMBIA .....             | 635.5     | 622.1     | (*)        | (1)       | (1)       | (*)        | 15.3         | 14.5      | (*)        | 15.4          | 15.5      | (*)        |
| 45 Washington SMSA .....                  | 1,532.0   | 1,538.5   | (*)        | (1)       | (1)       | (*)        | 85.3         | 74.9      | (*)        | 54.5          | 54.9      | (*)        |
| 46 FLORIDA .....                          | 3,339.0   | 3,515.3   | 3,474.0    | 10.1      | 10.2      | 10.2       | 250.6        | 270.6     | 271.5      | 427.1         | 437.4     | 428.5      |
| 47 Bradenton .....                        | 41.8      | 41.9      | 41.5       | -         | -         | -          | 3.7          | 2.9       | 3.0        | 7.1           | 7.3       | 7.0        |
| 48 Daytona Beach .....                    | 74.8      | 77.5      | 77.1       | (1)       | (1)       | (1)        | 4.6          | 4.7       | 4.8        | 7.9           | 8.0       | 8.0        |
| 49 Fort Lauderdale—Hollywood .....        | 319.0     | 329.9     | 330.4      | (1)       | (1)       | (1)        | 27.6         | 29.1      | 29.3       | 39.2          | 41.3      | 40.6       |
| 50 Fort Myers—Cape Coral .....            | 59.5      | 61.1      | 59.7       | (1)       | (1)       | (1)        | 8.3          | 8.2       | 8.1        | 3.8           | 3.9       | 3.9        |
| 51 Gainesville .....                      | 61.6      | 65.9      | 65.5       | (1)       | (1)       | (1)        | 3.2          | 3.9       | 4.1        | 3.9           | 3.7       | 3.6        |
| 52 Jacksonville .....                     | 281.2     | 286.9     | 282.6      | (1)       | (1)       | (1)        | 15.9         | 15.8      | 15.7       | 33.9          | 33.9      | 33.8       |
| 53 Lakeland—Winter Haven .....            | 107.5     | 111.9     | 109.4      | 5.7       | 5.6       | 5.8        | 8.7          | 8.9       | 8.7        | 18.0          | 19.9      | 19.0       |
| 54 Melbourne—Titusville—Cocoa .....       | 98.1      | 102.5     | 101.9      | (1)       | (1)       | (1)        | 6.9          | 6.0       | 6.1        | 20.4          | 21.5      | 21.6       |
| 55 Miami .....                            | 695.7     | 711.1     | 709.6      | (1)       | (1)       | (1)        | 37.9         | 40.8      | 41.1       | 99.2          | 99.2      | 98.5       |
| 56 Orlando .....                          | 267.7     | 280.1     | 281.8      | (1)       | (1)       | (1)        | 18.7         | 19.1      | 19.8       | 34.6          | 35.2      | 34.7       |
| 57 Panama City .....                      | 33.7      | 34.3      | 34.4       | (1)       | (1)       | (1)        | 2.2          | 2.3       | 2.2        | 3.2           | 3.1       | 3.2        |
| 58 Pensacola .....                        | 94.4      | 98.2      | 97.6       | (1)       | (1)       | (1)        | 6.7          | 6.7       | 6.5        | 13.3          | 12.7      | 12.5       |
| 59 Sarasota .....                         | 66.8      | 69.6      | 68.9       | (1)       | (1)       | (1)        | 7.2          | 6.5       | 6.4        | 6.2           | 5.9       | 5.8        |
| 60 Tallahassee .....                      | 68.6      | 73.9      | 72.3       | (1)       | (1)       | (1)        | 3.5          | 3.4       | 3.5        | 2.6           | 2.4       | 2.5        |
| 61 Tampa—St. Petersburg .....             | 512.7     | 522.5     | 515.8      | (1)       | (1)       | (1)        | 36.1         | 34.2      | 34.5       | 72.8          | 71.1      | 70.2       |
| 62 West Palm Beach—Boca Raton .....       | 189.4     | 199.8     | 197.1      | (1)       | (1)       | (1)        | 18.4         | 17.8      | 18.0       | 25.3          | 27.3      | 27.2       |

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| Transportation and public utilities |           |            | Wholesale and retail trade |           |            | Finance, insurance, and real estate |           |            | Services  |           |            | Government |           |            |
|-------------------------------------|-----------|------------|----------------------------|-----------|------------|-------------------------------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|
| JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979                  | JUNE 1980 | JULY 1980P | JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979  | JUNE 1980 | JULY 1980P |
| 72.5                                | 72.1      | 72.3       | 275.6                      | 275.2     | 275.0      | 59.2                                | 57.9      | 57.9       | 199.6     | 200.3     | 200.5      | 291.1      | 294.7     | 297.0      |
| 28.8                                | 29.4      | (*)        | 85.9                       | 87.7      | (*)        | 23.0                                | 23.2      | (*)        | 64.8      | 67.2      | (*)        | 53.9       | 55.1      | (*)        |
| 2.8                                 | 2.7       | 2.7        | 22.2                       | 22.5      | 22.4       | 3.4                                 | 3.4       | 3.4        | 17.6      | 17.8      | 17.9       | 33.9       | 34.5      | 34.6       |
| 11.1                                | 11.1      | 11.3       | 36.6                       | 36.8      | 36.7       | 7.1                                 | 7.4       | 7.5        | 28.3      | 28.3      | 28.1       | 24.8       | 27.3      | 27.7       |
| 4.8                                 | 4.6       | 4.6        | 23.9                       | 23.6      | 23.7       | 6.1                                 | 6.0       | 6.0        | 19.4      | 19.4      | 19.4       | 29.2       | 28.5      | 29.4       |
| 1.9                                 | 1.7       | 1.7        | 9.6                        | 9.5       | 9.5        | 1.7                                 | 1.8       | 1.8        | 5.9       | 6.0       | 6.0        | 16.3       | 16.4      | 16.5       |
| 18.0                                | 17.8      | (*)        | 30.8                       | 30.0      | (*)        | 9.0                                 | 8.4       | (*)        | 31.5      | 30.9      | (*)        | 52.7       | 54.2      | (*)        |
| 48.7                                | 49.1      | 49.1       | 229.6                      | 239.1     | 237.6      | 54.6                                | 56.7      | 56.8       | 187.6     | 197.3     | 197.8      | 182.7      | 191.0     | 188.0      |
| 29.0                                | 29.3      | 29.3       | 152.2                      | 160.1     | 159.0      | 41.8                                | 43.7      | 43.8       | 119.5     | 127.0     | 126.7      | 93.1       | 100.5     | 97.8       |
| 8.9                                 | 8.6       | 8.7        | 38.4                       | 39.5      | 39.2       | 8.0                                 | 8.2       | 8.2        | 35.0      | 37.6      | 37.6       | 39.3       | 39.3      | 39.8       |
| 44.5                                | 43.1      | 42.9       | 164.1                      | 163.7     | 163.8      | 31.6                                | 32.6      | 32.5       | 112.1     | 116.9     | 117.6      | 125.8      | 137.0     | 132.7      |
| 3.8                                 | 4.1       | 4.1        | 15.8                       | 16.3      | 16.3       | 2.3                                 | 2.4       | 2.5        | 8.5       | 8.7       | 8.8        | 9.9        | 10.7      | 10.6       |
| 3.7                                 | 3.7       | 3.7        | 14.8                       | 14.9      | 15.0       | 2.5                                 | 2.6       | 2.6        | 11.2      | 11.2      | 11.4       | 6.6        | 8.2       | 8.1        |
| 14.5                                | 13.7      | 13.7       | 42.2                       | 41.8      | 41.6       | 12.5                                | 12.6      | 12.6       | 34.5      | 35.5      | 35.5       | 35.7       | 38.7      | 38.1       |
| 4.0                                 | 3.8       | 3.8        | 6.5                        | 6.3       | 6.3        | 1.3                                 | 1.4       | 1.4        | 5.0       | 4.9       | 4.9        | 5.9        | 6.1       | 6.1        |
| 542.4                               | 548.6     | 550.7      | 2,217.3                    | 2,256.5   | 2,254.5    | 594.8                               | 610.8     | 613.4      | 2,075.3   | 2,168.7   | 2,168.0    | 1,640.6    | 1,809.5   | 1,702.3    |
| 26.4                                | 27.4      | 27.3       | 198.2                      | 205.6     | 206.6      | 52.7                                | 55.2      | 55.4       | 165.2     | 169.8     | 170.5      | 89.2       | 111.5     | 95.1       |
| 7.7                                 | 7.9       | 7.9        | 33.2                       | 33.6      | 33.3       | 4.6                                 | 4.5       | 4.5        | 22.6      | 22.8      | 22.8       | 31.7       | 34.7      | 32.9       |
| 10.8                                | 11.0      | 11.2       | 48.6                       | 49.1      | 49.8       | 10.5                                | 11.1      | 11.1       | 34.9      | 36.3      | 36.1       | 35.8       | 41.6      | 37.3       |
| 204.1                               | 204.0     | 205.3      | 813.4                      | 830.8     | 827.6      | 224.2                               | 225.3     | 225.9      | 805.0     | 845.2     | 843.6      | 473.1      | 511.9     | 482.0      |
| 3.9                                 | 3.8       | 3.9        | 21.2                       | 22.4      | 22.2       | 3.4                                 | 3.5       | 3.5        | 16.0      | 16.6      | 16.6       | 15.8       | 16.8      | 15.6       |
| 6.1                                 | 6.0       | 5.9        | 34.7                       | 35.1      | 34.8       | 6.8                                 | 6.9       | 6.9        | 28.7      | 29.4      | 29.2       | 33.7       | 39.3      | 34.9       |
| 23.7                                | 24.3      | 24.5       | 102.6                      | 108.2     | 107.2      | 18.6                                | 19.3      | 19.3       | 85.3      | 91.6      | 89.9       | 92.0       | 102.2     | 95.1       |
| 21.8                                | 22.1      | 22.1       | 92.6                       | 97.1      | 97.3       | 20.6                                | 21.4      | 21.5       | 70.5      | 75.6      | 75.7       | 127.0      | 139.9     | 129.9      |
| 4.9                                 | 5.0       | 5.1        | 23.1                       | 22.5      | 22.6       | 4.3                                 | 4.4       | 4.4        | 19.3      | 19.3      | 19.3       | 21.2       | 23.8      | 21.6       |
| 28.0                                | 28.4      | 28.2       | 145.2                      | 146.8     | 147.2      | 37.1                                | 37.6      | 37.6       | 144.0     | 149.0     | 149.3      | 128.9      | 146.6     | 136.3      |
| 127.7                               | 127.0     | 127.0      | 349.4                      | 353.9     | 354.3      | 141.4                               | 142.7     | 142.7      | 333.8     | 339.4     | 338.2      | 279.6      | 294.1     | 283.4      |
| 21.1                                | 21.4      | 21.5       | 118.5                      | 123.7     | 123.4      | 25.9                                | 26.5      | 26.7       | 140.9     | 147.9     | 147.2      | 71.0       | 80.7      | 71.2       |
| 8.8                                 | 4.7       | 4.7        | 30.5                       | 30.8      | 30.9       | 5.4                                 | 5.4       | 5.4        | 31.9      | 32.9      | 33.0       | 23.2       | 24.8      | 23.5       |
| 4.5                                 | 4.6       | 4.6        | 21.7                       | 22.2      | 22.3       | 5.5                                 | 5.5       | 5.5        | 17.4      | 17.3      | 16.9       | 18.7       | 20.3      | 18.9       |
| 8.9                                 | 9.0       | 9.3        | 27.0                       | 27.7      | 28.6       | 4.9                                 | 5.0       | 5.0        | 22.8      | 23.7      | 23.5       | 24.7       | 28.0      | 25.0       |
| 4.7                                 | 4.7       | 4.8        | 20.6                       | 21.2      | 21.2       | 3.4                                 | 3.4       | 3.4        | 18.4      | 18.5      | 18.9       | 34.4       | 36.1      | 34.8       |
| 76.8                                | 77.2      | 77.4       | 301.9                      | 305.8     | 306.8      | 75.5                                | 78.0      | 78.4       | 244.9     | 256.0     | 255.9      | 221.0      | 243.2     | 232.4      |
| 54.4                                | 54.5      | 54.5       | 192.1                      | 193.7     | 194.3      | 54.3                                | 56.5      | 56.8       | 161.7     | 170.0     | 169.5      | 121.9      | 136.8     | 131.5      |
| 59.9                                | 62.6      | 59.8       | 296.8                      | 300.8     | 297.9      | 101.4                               | 103.0     | 103.6      | 280.9     | 283.3     | 281.9      | 179.3      | 185.3     | 178.7      |
| 6.1                                 | 6.3       | (*)        | 33.8                       | 35.3      | (*)        | 7.0                                 | 7.0       | (*)        | 31.2      | 33.7      | (*)        | 15.3       | 16.9      | (*)        |
| 14.7                                | 16.2      | (*)        | 80.3                       | 83.9      | (*)        | 57.8                                | 60.6      | (*)        | 73.2      | 74.7      | (*)        | 54.0       | 54.7      | (*)        |
| 1.4                                 | 1.5       | (*)        | 10.4                       | 11.0      | (*)        | 1.8                                 | 1.9       | (*)        | 9.7       | 10.4      | (*)        | 5.8        | 6.9       | (*)        |
| 15.6                                | 16.2      | (*)        | 39.8                       | 41.7      | (*)        | 10.1                                | 10.6      | (*)        | 45.1      | 48.8      | (*)        | 22.2       | 26.7      | (*)        |
| 3.8                                 | 4.0       | (*)        | 24.3                       | 25.0      | (*)        | 7.5                                 | 7.3       | (*)        | 26.4      | 27.4      | (*)        | 8.5        | 9.5       | (*)        |
| 3.0                                 | 3.2       | (*)        | 15.5                       | 15.9      | (*)        | 3.4                                 | 3.6       | (*)        | 18.9      | 20.2      | (*)        | 10.5       | 11.7      | (*)        |
| 12.6                                | 12.8      | 12.5       | 56.8                       | 57.2      | 56.5       | 12.0                                | 11.9      | 12.0       | 47.5      | 47.8      | 48.0       | 43.9       | 46.5      | 45.3       |
| 12.2                                | 12.2      | 12.0       | 45.8                       | 43.9      | 43.3       | 11.1                                | 10.9      | 11.0       | 41.7      | 42.0      | 42.3       | 35.1       | 37.9      | 36.1       |
| 26.1                                | 25.8      | (*)        | 65.6                       | 64.7      | (*)        | 35.0                                | 34.6      | (*)        | 168.7     | 178.2     | (*)        | 309.4      | 288.8     | (*)        |
| 67.8                                | 67.0      | (*)        | 282.8                      | 285.4     | (*)        | 91.4                                | 91.8      | (*)        | 387.4     | 407.9     | (*)        | 562.8      | 556.6     | (*)        |
| 210.2                               | 218.3     | 215.5      | 883.8                      | 930.3     | 928.6      | 234.8                               | 242.7     | 243.6      | 756.7     | 778.1     | 776.6      | 505.7      | 627.7     | 599.6      |
| 1.4                                 | 1.4       | 1.4        | 11.8                       | 12.3      | 12.0       | 2.5                                 | 2.8       | 2.8        | 7.9       | 8.4       | 8.1        | 7.4        | 6.8       | 7.2        |
| 3.1                                 | 3.3       | 3.3        | 21.0                       | 21.3      | 21.0       | 4.2                                 | 4.3       | 4.3        | 21.3      | 21.3      | 22.1       | 12.7       | 14.6      | 13.6       |
| 16.3                                | 16.3      | 16.2       | 88.8                       | 88.8      | 88.0       | 27.0                                | 27.1      | 27.2       | 77.8      | 80.4      | 79.7       | 42.3       | 46.9      | 49.4       |
| 3.5                                 | 3.9       | 3.9        | 17.1                       | 16.6      | 16.2       | 5.4                                 | 5.6       | 5.7        | 11.8      | 12.2      | 12.1       | 9.6        | 10.7      | 9.8        |
| 1.6                                 | 1.7       | 1.7        | 13.9                       | 14.0      | 13.9       | 2.8                                 | 2.7       | 2.8        | 10.2      | 10.8      | 10.7       | 26.0       | 29.1      | 28.7       |
| 23.5                                | 23.7      | 23.6       | 73.3                       | 72.7      | 72.8       | 27.7                                | 27.4      | 27.3       | 57.1      | 59.3      | 58.7       | 49.8       | 54.1      | 50.7       |
| 4.7                                 | 5.1       | 5.0        | 26.1                       | 26.1      | 25.3       | 6.0                                 | 6.3       | 6.3        | 21.9      | 22.5      | 22.6       | 16.4       | 17.5      | 16.7       |
| 4.4                                 | 4.6       | 4.6        | 20.7                       | 22.4      | 22.4       | 3.9                                 | 4.1       | 4.1        | 22.7      | 23.9      | 23.8       | 19.1       | 20.0      | 19.3       |
| 49.1                                | 71.2      | 70.5       | 180.3                      | 182.0     | 181.0      | 49.7                                | 51.4      | 51.6       | 163.9     | 171.6     | 172.3      | 95.6       | 94.9      | 94.6       |
| 13.6                                | 13.7      | 13.7       | 74.1                       | 73.1      | 74.8       | 17.7                                | 19.1      | 19.4       | 72.3      | 77.2      | 78.7       | 36.7       | 42.7      | 40.7       |
| 1.8                                 | 1.7       | 1.7        | 9.5                        | 8.6       | 8.7        | 1.8                                 | 2.0       | 2.0        | 6.4       | 6.7       | 6.6        | 8.8        | 9.9       | 10.0       |
| 5.1                                 | 5.8       | 5.4        | 22.2                       | 22.2      | 22.3       | 4.6                                 | 4.4       | 4.4        | 19.3      | 20.7      | 20.9       | 23.2       | 25.7      | 25.6       |
| 2.8                                 | 2.9       | 2.9        | 19.2                       | 20.0      | 19.6       | 5.7                                 | 5.8       | 5.7        | 16.2      | 18.0      | 18.1       | 9.5        | 10.5      | 10.4       |
| 2.3                                 | 2.4       | 2.4        | 14.4                       | 14.9      | 14.7       | 3.0                                 | 3.0       | 3.0        | 11.7      | 12.2      | 12.2       | 31.1       | 35.6      | 34.0       |
| 28.9                                | 29.3      | 29.1       | 140.6                      | 141.3     | 141.0      | 36.3                                | 37.8      | 37.7       | 120.2     | 126.3     | 125.4      | 77.8       | 82.5      | 77.9       |
| 8.3                                 | 8.6       | 8.6        | 47.3                       | 50.6      | 50.1       | 15.6                                | 16.2      | 16.1       | 44.2      | 48.2      | 47.2       | 30.3       | 31.1      | 29.9       |

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| State and area                        | Total     |           |            | Mining    |           |            | Construction |           |            | Manufacturing |           |            |
|---------------------------------------|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
|                                       | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979    | JUNE 1980 | JULY 1980P | JULY 1979     | JUNE 1980 | JULY 1980P |
| 1 GEORGIA .....                       | 2,106.0   | 2,127.1   | 2,125.8    | 7.6       | 7.6       | 7.6        | 98.9         | 99.2      | 100.2      | 526.4         | 509.1     | 503.7      |
| 2 Albany .....                        | 44.1      | 46.1      | 46.3       | (1)       | (1)       | (1)        | 4.3          | 3.6       | 3.9        | 10.4          | 10.8      | 10.6       |
| 3 Atlanta .....                       | 927.5     | 951.3     | 932.9      | (1)       | (1)       | (1)        | 40.4         | 39.3      | 39.8       | 140.8         | 134.9     | 137.8      |
| 4 Augusta .....                       | 120.8     | 121.3     | 121.1      | (1)       | (1)       | (1)        | 6.6          | 5.9       | 6.0        | 36.5          | 36.0      | 35.9       |
| 5 Columbus .....                      | 83.2      | 83.4      | 82.8       | (1)       | (1)       | (1)        | 4.2          | 4.0       | 4.1        | 21.8          | 21.9      | 21.7       |
| 8 Macon .....                         | 96.0      | 95.3      | 95.5       | (1)       | (1)       | (1)        | 4.5          | 4.1       | 4.2        | 16.0          | 15.7      | 15.5       |
| 7 Savannah .....                      | 84.3      | 83.5      | 83.5       | (1)       | (1)       | (1)        | 5.0          | 4.3       | 4.2        | 16.8          | 16.2      | 16.1       |
| 8 HAWAII .....                        | 403.7     | 410.4     | 415.8      | (1)       | (1)       | (1)        | 23.1         | 23.5      | 23.7       | 26.5          | 25.1      | 26.6       |
| 9 Honolulu .....                      | 333.7     | 338.4     | 342.6      | (1)       | (1)       | (1)        | 18.6         | 18.3      | 18.5       | 20.1          | 18.1      | 19.3       |
| 10 IDAHO .....                        | 338.5     | 330.7     | 326.0      | 4.5       | 4.1       | 4.1        | 21.2         | 16.9      | 17.9       | 60.3          | 54.5      | 54.6       |
| 11 Boise City .....                   | 84.2      | 78.4      | 77.1       | (1)       | (1)       | (1)        | 6.6          | 5.2       | 5.3        | 10.2          | 9.4       | 9.4        |
| 12 ILLINOIS .....                     | 4,930.8   | 4,831.2   | 4,819.3    | 31.4      | 29.5      | 29.5       | 199.0        | 187.9     | 188.7      | 1,282.5       | 1,207.2   | 1,179.4    |
| 13 Bloomington—Normal .....           | 48.3      | 47.2      | 46.6       | (2)       | (2)       | (2)        | 1.8          | 1.5       | 1.5        | 7.7           | 7.6       | 7.3        |
| 14 Champaign—Urbana—Rantoul .....     | 69.9      | 70.2      | 68.7       | (2)       | (2)       | (2)        | 2.7          | 2.2       | 2.3        | 7.9           | 7.6       | 7.6        |
| 15 Chicago—Gary .....                 | (*)       | 3,469.3   | (*)        | (*)       | 5.2       | (*)        | (*)          | 135.2     | (*)        | (*)           | 913.7     | (*)        |
| 18 Chicago SMSA .....                 | 3,270.8   | 3,213.5   | 3,231.3    | 5.0       | 5.1       | 5.1        | 120.4        | 116.4     | 119.3      | 851.8         | 823.1     | 812.2      |
| 17 Davenport—Rock Island—Moline ..... | 167.9     | 163.8     | 161.7      | (2)       | (2)       | (2)        | 8.0          | 7.5       | 7.6        | 52.3          | 48.5      | 47.3       |
| 18 Decatur .....                      | 54.2      | 55.1      | 59.9       | (2)       | (2)       | (2)        | 2.7          | 2.5       | 2.4        | 20.0          | 19.8      | 19.5       |
| 19 Kankakee .....                     | 35.7      | 34.7      | 34.5       | (2)       | (2)       | (2)        | 1.4          | 1.4       | 1.5        | 10.3          | 9.7       | 9.3        |
| 20 Peoria .....                       | 156.5     | 152.8     | 151.8      | (2)       | (2)       | (2)        | 8.6          | 7.6       | 8.0        | 52.3          | 50.0      | 49.5       |
| 21 Rockford .....                     | 124.8     | 117.9     | 116.7      | (2)       | (2)       | (2)        | 4.2          | 3.7       | 4.0        | 57.9          | 51.7      | 50.6       |
| 22 Springfield .....                  | 84.6      | 86.2      | 86.7       | (2)       | (2)       | (2)        | 3.1          | 3.6       | 3.6        | 6.8           | 6.2       | 5.8        |
| 23 INDIANA .....                      | 2,280.2   | 2,217.0   | 2,201.3    | 11.0      | 11.2      | 11.0       | 119.5        | 110.9     | 113.5      | 742.4         | 668.7     | 659.2      |
| 24 Anderson .....                     | 52.4      | 44.2      | 43.5       | (1)       | (1)       | (1)        | 1.5          | 1.0       | 1.1        | 23.9          | 18.0      | 17.3       |
| 25 Elkhart .....                      | 78.3      | 71.7      | 70.8       | -         | -         | -          | 2.7          | 2.3       | 2.4        | 42.1          | 36.6      | 36.1       |
| 26 Evansville .....                   | 132.9     | 126.5     | 126.2      | 3.1       | 2.7       | 2.6        | 8.9          | 7.0       | 7.0        | 39.8          | 35.8      | 35.7       |
| 27 Fort Wayne .....                   | 185.4     | 177.8     | (*)        | (1)       | (1)       | (*)        | 8.9          | 8.1       | (*)        | 62.8          | 57.1      | (*)        |
| 28 Gary—Hammond—East Chicago .....    | 272.6     | 253.5     | 252.5      | (1)       | (1)       | (1)        | 20.9         | 18.8      | 18.7       | 106.0         | 90.6      | 89.5       |
| 29 Indianapolis .....                 | 540.4     | 543.1     | (*)        | (1)       | (1)       | (*)        | 27.7         | 25.9      | (*)        | 133.6         | 123.6     | (*)        |
| 30 Lafayette—West Lafayette .....     | 56.0      | 53.9      | 54.2       | (1)       | (1)       | (1)        | 2.7          | 2.5       | 2.6        | 12.5          | 11.4      | 11.1       |
| 31 Muncie .....                       | 49.7      | 48.9      | 48.1       | (1)       | (1)       | (1)        | 2.1          | 2.0       | 2.0        | 14.9          | 12.8      | 12.6       |
| 32 South Bend .....                   | 114.1     | 112.2     | 109.5      | (1)       | (1)       | (1)        | 5.3          | 5.2       | 5.1        | 34.8          | 30.8      | 30.6       |
| 33 Terre Haute .....                  | 67.2      | 64.0      | 62.7       | 1.4       | 1.5       | 1.5        | 4.4          | 3.8       | 3.8        | 17.6          | 16.1      | 15.2       |
| 34 IOWA .....                         | 1,125.0   | 1,109.1   | 1,090.3    | 2.8       | 2.6       | 2.6        | 66.2         | 50.9      | 52.4       | 259.5         | 239.1     | 236.0      |
| 35 Cedar Rapids .....                 | 84.0      | 85.4      | 83.6       | (1)       | (1)       | (1)        | 4.3          | 3.7       | 4.1        | 28.7          | 27.7      | 27.0       |
| 36 Des Moines .....                   | 183.1     | 179.7     | 177.9      | (1)       | (1)       | (1)        | 8.9          | 7.4       | 8.1        | 26.8          | 24.7      | 24.4       |
| 37 Dubuque .....                      | 45.4      | 43.8      | 42.7       | (1)       | (1)       | (1)        | 2.1          | 1.7       | 1.8        | 17.2          | 15.9      | 15.1       |
| 38 Sioux City .....                   | 49.8      | 49.9      | 49.3       | (1)       | (1)       | (1)        | 2.9          | 2.5       | 2.6        | 9.1           | 8.6       | 8.4        |
| 39 Waterloo—Cedar Falls .....         | 67.7      | 67.6      | 66.7       | (1)       | (1)       | (1)        | 3.6          | 3.6       | 3.7        | 24.3          | 23.9      | 23.2       |
| 40 KANSAS .....                       | 941.4     | 953.6     | 936.7      | 14.3      | 15.1      | 15.3       | 56.2         | 52.5      | 51.7       | 196.5         | 183.2     | 182.5      |
| 41 Lawrence .....                     | 26.3      | 27.3      | 26.7       | (2)       | (2)       | (2)        | 1.5          | 1.3       | 1.3        | 4.9           | 4.7       | 4.9        |
| 42 Topeka .....                       | 87.3      | 88.2      | 86.5       | .2        | .2        | .2         | 4.0          | 4.2       | 4.3        | 11.9          | 10.1      | 9.7        |
| 43 Wichita .....                      | 206.2     | 207.3     | 205.0      | 2.4       | 2.8       | 2.9        | 11.2         | 10.3      | 10.3       | 66.2          | 63.5      | 62.7       |
| 44 KENTUCKY .....                     | 1,244.0   | 1,203.6   | 1,189.4    | 55.6      | 52.9      | 52.5       | 77.7         | 61.2      | 63.6       | 295.0         | 268.8     | 264.1      |
| 45 Lexington—Fayette .....            | 149.4     | 146.2     | 143.6      | (1)       | (1)       | (1)        | 10.1         | 10.5      | 10.7       | 31.0          | 28.8      | 27.4       |
| 46 Louisville .....                   | 410.1     | 389.0     | 393.2      | (1)       | (1)       | (1)        | 21.6         | 17.3      | 19.4       | 111.3         | 97.0      | 98.0       |
| 47 Owensboro .....                    | 30.1      | 29.7      | 30.0       | .8        | .8        | .8         | 2.3          | 2.1       | 2.4        | 6.8           | 6.4       | 6.4        |
| 48 LOUISIANA .....                    | 1,494.7   | 1,534.3   | 1,541.4    | 75.0      | 81.7      | 82.0       | 127.0        | 135.8     | 138.8      | 213.5         | 210.1     | 208.9      |
| 49 Alexandria .....                   | 50.1      | 49.9      | 50.0       | (1)       | (1)       | (1)        | 3.3          | 2.9       | 3.0        | 6.2           | 5.8       | 5.8        |
| 50 Baton Rouge .....                  | 186.4     | 191.1     | 192.5      | .9        | .9        | .9         | 22.9         | 24.3      | 25.1       | 25.9          | 25.8      | 26.0       |
| 51 Lafayette .....                    | 72.2      | 76.4      | 77.2       | 13.0      | 14.4      | 14.5       | 6.3          | 6.8       | 7.4        | 3.5           | 3.8       | 3.9        |
| 52 Lake Charles .....                 | 64.0      | 64.1      | 64.9       | 1.8       | 1.9       | 1.9        | 8.3          | 7.7       | 8.4        | 12.8          | 13.2      | 13.2       |
| 53 Monroe .....                       | 49.9      | 48.3      | 48.2       | .5        | .5        | .5         | 4.0          | 3.8       | 3.8        | 8.5           | 7.7       | 7.6        |
| 54 New Orleans .....                  | 485.3     | 497.9     | 493.5      | 16.2      | 17.0      | 17.0       | 30.4         | 30.7      | 31.0       | 54.9          | 54.2      | 54.0       |
| 55 Shreveport .....                   | 146.2     | 147.3     | 145.8      | 4.7       | 5.8       | 5.8        | 11.3         | 8.0       | 8.2        | 28.1          | 26.7      | 26.4       |
| 56 MAINE .....                        | 427.1     | 425.2     | 414.3      | (1)       | (1)       | (1)        | 22.1         | 20.4      | 21.9       | 110.3         | 115.0     | 100.0      |
| 57 Lewiston—Auburn .....              | 33.5      | 36.5      | (*)        | (1)       | (1)       | (*)        | 1.8          | 1.7       | (*)        | 10.8          | 12.4      | (*)        |
| 58 Portland .....                     | 91.6      | 93.0      | (*)        | (1)       | (1)       | (*)        | 4.4          | 4.0       | (*)        | 17.7          | 18.0      | (*)        |
| 59 MARYLAND .....                     | 1,635.7   | 1,639.8   | 1,642.3    | (1)       | (1)       | (1)        | 111.5        | 99.3      | 99.2       | 246.6         | 234.4     | 227.2      |
| 60 Baltimore .....                    | 898.7     | 898.3     | 900.5      | (1)       | (1)       | (1)        | 54.6         | 51.4      | 52.3       | 165.0         | 155.8     | 149.2      |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8: Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| Transportation and public utilities |           |            | Wholesale and retail trade |           |            | Finance, insurance, and real estate |           |            | Services  |           |            | Government |           |            |    |
|-------------------------------------|-----------|------------|----------------------------|-----------|------------|-------------------------------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|----|
| JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979                  | JUNE 1980 | JULY 1980P | JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979  | JUNE 1980 | JULY 1980P |    |
| 136.7                               | 137.7     | 139.0      | 492.2                      | 498.7     | 500.2      | 107.6                               | 109.3     | 110.3      | 329.6     | 341.8     | 343.6      | 407.1      | 423.6     | 421.2      | 1  |
| 2.0                                 | 2.2       | 2.2        | 9.5                        | 10.2      | 10.2       | 2.0                                 | 2.3       | 2.3        | 6.3       | 6.6       | 6.6        | 9.6        | 10.4      | 10.4       | 2  |
| 85.7                                | 85.4      | 85.6       | 255.7                      | 257.9     | 258.0      | 64.6                                | 64.5      | 65.4       | 188.4     | 192.6     | 193.5      | 151.9      | 156.7     | 152.8      | 3  |
| 4.4                                 | 4.5       | 4.5        | 22.5                       | 22.8      | 22.7       | 4.7                                 | 4.6       | 4.7        | 15.8      | 16.3      | 16.5       | 30.3       | 31.1      | 30.9       | 4  |
| 3.6                                 | 3.6       | 3.5        | 17.7                       | 16.4      | 16.5       | 5.2                                 | 5.2       | 5.3        | 11.6      | 11.5      | 11.6       | 19.1       | 20.8      | 20.2       | 5  |
| 4.9                                 | 4.9       | 4.9        | 20.3                       | 20.0      | 19.7       | 5.8                                 | 5.5       | 5.6        | 15.9      | 16.4      | 16.4       | 28.6       | 28.6      | 29.2       | 6  |
| 8.8                                 | 8.3       | 9.0        | 19.7                       | 19.2      | 19.7       | 4.1                                 | 4.1       | 4.1        | 14.8      | 15.7      | 15.4       | 15.1       | 15.7      | 15.0       | 7  |
| 30.8                                | 30.5      | 30.8       | 105.6                      | 107.3     | 107.9      | 30.4                                | 31.5      | 31.7       | 98.7      | 103.9     | 103.4      | 88.6       | 88.2      | 91.7       | 8  |
| 25.7                                | 25.6      | 25.5       | 87.9                       | 89.6      | 89.9       | 26.4                                | 27.4      | 27.6       | 80.2      | 84.4      | 84.1       | 74.8       | 75.0      | 77.7       | 9  |
| 20.3                                | 20.1      | 20.1       | 82.4                       | 81.2      | 80.4       | 23.1                                | 22.9      | 23.0       | 61.2      | 60.1      | 60.1       | 65.5       | 70.9      | 65.8       | 10 |
| 5.3                                 | 5.1       | 5.1        | 21.0                       | 19.4      | 19.3       | 9.1                                 | 9.8       | 7.9        | 14.6      | 13.6      | 13.4       | 17.4       | 17.9      | 16.7       | 11 |
| 290.4                               | 291.3     | 289.6      | 1,141.7                    | 1,121.4   | 1,111.6    | 292.8                               | 302.0     | 304.3      | 933.5     | 932.4     | 936.4      | 759.5      | 759.5     | 779.8      | 12 |
| 3.2                                 | 3.0       | 3.0        | 11.0                       | 10.9      | 10.8       | 7.8                                 | 7.6       | 7.6        | 8.4       | 8.3       | 8.1        | 8.4        | 8.3       | 8.3        | 13 |
| 2.5                                 | 2.8       | 2.7        | 17.3                       | 18.0      | 18.0       | 2.2                                 | 2.1       | 2.2        | 10.3      | 10.4      | 10.3       | 27.0       | 27.1      | 25.6       | 14 |
| (*)                                 | 210.1     | (*)        | (*)                        | 788.0     | (*)        | (*)                                 | 233.1     | (*)        | (*)       | 679.9     | (*)        | (*)        | 504.2     | (*)        | 15 |
| 202.1                               | 197.7     | 196.8      | 744.7                      | 733.2     | 720.2      | 222.4                               | 223.5     | 224.5      | 654.4     | 646.2     | 658.5      | 470.0      | 468.3     | 494.7      | 16 |
| 8.5                                 | 7.1       | 7.1        | 40.4                       | 41.2      | 40.8       | 7.2                                 | 7.0       | 7.1        | 25.1      | 25.1      | 24.9       | 26.4       | 27.4      | 26.9       | 17 |
| 4.9                                 | 5.3       | 5.1        | 10.5                       | 10.8      | 10.6       | 2.8                                 | 2.8       | 9.0        | 8.3       | 8.6       | 8.7        | 4.9        | 5.2       | 4.5        | 18 |
| 1.6                                 | 1.6       | 1.6        | 7.8                        | 7.3       | 7.3        | 1.1                                 | 1.2       | 1.2        | 6.5       | 6.3       | 6.3        | 7.0        | 7.2       | 7.3        | 19 |
| 8.3                                 | 8.4       | 8.4        | 36.6                       | 35.7      | 35.5       | 7.1                                 | 7.3       | 7.3        | 26.9      | 26.7      | 26.2       | 16.7       | 17.1      | 16.9       | 20 |
| 5.0                                 | 4.9       | 4.7        | 25.1                       | 24.3      | 24.7       | 4.3                                 | 4.3       | 4.2        | 16.7      | 16.6      | 16.5       | 11.6       | 12.4      | 12.0       | 21 |
| 5.4                                 | 5.4       | 5.4        | 19.2                       | 19.1      | 19.4       | 6.8                                 | 6.6       | 6.8        | 15.7      | 16.8      | 17.0       | 27.4       | 28.4      | 28.6       | 22 |
| 113.2                               | 105.7     | 104.9      | 501.9                      | 496.7     | 489.4      | 102.5                               | 103.0     | 102.8      | 336.0     | 354.0     | 348.0      | 353.9      | 366.9     | 372.5      | 23 |
| 1.6                                 | 1.5       | 1.5        | 10.6                       | 9.6       | 9.5        | 1.8                                 | 1.7       | 1.6        | 7.1       | 6.8       | 6.7        | 5.9        | 5.6       | 5.8        | 24 |
| 2.4                                 | 2.0       | 2.0        | 15.1                       | 14.5      | 14.4       | 2.2                                 | 2.1       | 2.1        | 9.0       | 8.9       | 8.8        | 4.8        | 5.3       | 5.0        | 25 |
| 7.0                                 | 6.9       | 6.8        | 32.5                       | 32.0      | 31.8       | 4.5                                 | 4.6       | 4.5        | 24.9      | 24.8      | 25.0       | 12.2       | 12.7      | 12.8       | 26 |
| 11.8                                | 11.4      | (*)        | 45.0                       | 43.7      | (*)        | 10.6                                | 10.6      | (*)        | 28.7      | 29.2      | (*)        | 17.6       | 17.7      | (*)        | 27 |
| 16.4                                | 12.4      | 12.3       | 55.5                       | 54.8      | 54.7       | 9.8                                 | 9.6       | 9.5        | 34.8      | 33.7      | 34.8       | 29.2       | 33.6      | 33.0       | 28 |
| 32.7                                | 32.7      | (*)        | 135.8                      | 137.8     | (*)        | 38.4                                | 39.5      | (*)        | 90.1      | 94.2      | (*)        | 82.1       | 89.4      | (*)        | 29 |
| 1.7                                 | 1.6       | 1.6        | 11.6                       | 11.1      | 10.9       | 2.8                                 | 2.6       | 2.6        | 9.1       | 9.1       | 9.0        | 15.6       | 15.6      | 16.4       | 30 |
| 2.1                                 | 2.0       | 2.0        | 12.0                       | 12.3      | 12.1       | 1.6                                 | 1.6       | 1.6        | 7.8       | 8.3       | 8.2        | 9.2        | 9.9       | 9.6        | 31 |
| 5.4                                 | 4.6       | 4.6        | 29.5                       | 28.9      | 28.5       | 5.4                                 | 5.4       | 5.3        | 23.6      | 24.1      | 23.3       | 10.1       | 13.2      | 12.1       | 32 |
| 4.2                                 | 3.9       | 3.9        | 16.9                       | 16.3      | 16.3       | 2.2                                 | 2.1       | 2.1        | 9.6       | 9.5       | 9.3        | 10.9       | 10.8      | 10.6       | 33 |
| 59.5                                | 58.2      | 57.9       | 289.9                      | 285.4     | 285.4      | 58.0                                | 59.5      | 59.6       | 198.9     | 203.1     | 202.0      | 190.3      | 210.2     | 194.4      | 34 |
| 4.2                                 | 3.9       | 3.9        | 18.3                       | 19.5      | 19.2       | 4.4                                 | 4.5       | 4.5        | 15.1      | 15.6      | 15.5       | 8.9        | 10.3      | 9.4        | 35 |
| 12.2                                | 11.6      | 11.7       | 48.8                       | 47.4      | 47.2       | 20.6                                | 20.3      | 20.1       | 39.2      | 39.2      | 38.7       | 26.7       | 29.1      | 27.7       | 36 |
| 1.7                                 | 1.6       | 1.6        | 9.0                        | 8.7       | 8.7        | 1.2                                 | 1.2       | 1.2        | 10.0      | 10.4      | 10.2       | 4.0        | 4.2       | 4.1        | 37 |
| 4.3                                 | 4.0       | 4.0        | 13.1                       | 13.4      | 13.5       | 2.9                                 | 2.9       | 2.9        | 11.0      | 11.7      | 11.5       | 6.5        | 6.8       | 6.4        | 38 |
| 2.7                                 | 2.8       | 2.8        | 14.1                       | 13.5      | 13.6       | 2.1                                 | 2.1       | 2.1        | 11.0      | 11.4      | 11.4       | 9.8        | 10.3      | 10.0       | 39 |
| 66.4                                | 65.7      | 65.2       | 226.7                      | 227.3     | 227.2      | 46.6                                | 47.1      | 47.0       | 165.2     | 174.9     | 174.2      | 169.5      | 187.8     | 173.6      | 40 |
| 1.5                                 | 1.5       | 1.4        | 5.6                        | 5.7       | 5.7        | 1.9                                 | 1.9       | 1.9        | 3.4       | 3.7       | 3.7        | 8.5        | 9.5       | 8.8        | 41 |
| 7.5                                 | 7.6       | 7.6        | 19.2                       | 19.1      | 19.0       | 6.1                                 | 6.3       | 6.3        | 17.0      | 17.6      | 17.6       | 21.4       | 23.1      | 21.8       | 42 |
| 10.5                                | 11.1      | 11.1       | 45.2                       | 45.3      | 45.0       | 9.1                                 | 9.2       | 9.2        | 38.3      | 39.9      | 40.1       | 23.3       | 25.2      | 23.7       | 43 |
| 70.8                                | 69.2      | 68.5       | 270.7                      | 260.6     | 260.4      | 50.9                                | 50.9      | 51.1       | 202.8     | 214.0     | 211.4      | 220.5      | 226.0     | 217.8      | 44 |
| 7.5                                 | 8.0       | 7.9        | 33.6                       | 30.1      | 29.7       | 7.2                                 | 7.5       | 7.6        | 27.4      | 27.5      | 27.3       | 32.6       | 33.8      | 33.0       | 45 |
| 25.4                                | 24.5      | 24.1       | 91.1                       | 87.6      | 86.7       | 23.1                                | 23.3      | 23.4       | 75.8      | 79.0      | 78.3       | 61.7       | 60.3      | 63.4       | 46 |
| 2.3                                 | 2.3       | 2.3        | 6.9                        | 6.7       | 6.7        | 1.2                                 | 1.2       | 1.2        | 5.4       | 5.8       | 5.8        | 4.4        | 4.4       | 4.4        | 47 |
| 115.9                               | 115.5     | 116.2      | 354.8                      | 361.4     | 363.1      | 74.3                                | 75.9      | 76.2       | 251.2     | 257.8     | 260.6      | 283.0      | 296.1     | 295.6      | 48 |
| 2.6                                 | 2.5       | 2.5        | 11.2                       | 11.1      | 11.1       | 2.8                                 | 2.9       | 2.9        | 10.1      | 10.3      | 10.3       | 13.9       | 14.4      | 14.4       | 49 |
| 10.0                                | 10.4      | 10.4       | 41.7                       | 44.5      | 45.0       | 11.0                                | 11.4      | 11.2       | 29.7      | 30.7      | 30.8       | 44.3       | 43.1      | 43.1       | 50 |
| 5.0                                 | 5.3       | 5.3        | 19.3                       | 20.7      | 20.9       | 2.3                                 | 2.5       | 2.5        | 14.4      | 14.8      | 14.9       | 8.4        | 8.1       | 7.8        | 51 |
| 3.9                                 | 3.8       | 3.9        | 14.2                       | 14.1      | 14.2       | 2.6                                 | 2.7       | 2.7        | 8.8       | 9.2       | 9.1        | 11.5       | 11.5      | 11.5       | 52 |
| 2.5                                 | 2.6       | 2.6        | 13.4                       | 13.0      | 13.0       | 3.6                                 | 3.6       | 3.6        | 7.7       | 7.9       | 7.9        | 9.7        | 9.2       | 9.2        | 53 |
| 49.3                                | 50.0      | 49.7       | 122.6                      | 126.3     | 126.5      | 30.1                                | 30.5      | 30.8       | 104.2     | 104.4     | 104.7      | 77.6       | 84.8      | 79.8       | 54 |
| 10.2                                | 10.7      | 10.6       | 35.1                       | 35.9      | 36.1       | 7.1                                 | 7.5       | 7.4        | 25.9      | 26.5      | 26.7       | 23.8       | 26.2      | 24.6       | 55 |
| 19.7                                | 19.7      | 19.6       | 95.7                       | 92.5      | 94.3       | 16.8                                | 17.1      | 17.3       | 83.5      | 78.0      | 84.3       | 79.0       | 82.5      | 76.9       | 56 |
| 1.1                                 | 1.1       | (*)        | 7.8                        | 8.5       | (*)        | 1.6                                 | 1.6       | (*)        | 7.2       | 7.9       | (*)        | 3.2        | 3.3       | (*)        | 57 |
| 5.6                                 | 5.6       | (*)        | 25.1                       | 26.4      | (*)        | 7.2                                 | 7.5       | (*)        | 19.5      | 19.0      | (*)        | 12.1       | 12.5      | (*)        | 58 |
| 87.2                                | 86.6      | 85.6       | 382.5                      | 391.9     | 387.4      | 90.9                                | 93.8      | 94.1       | 334.3     | 348.7     | 348.2      | 382.7      | 385.1     | 400.6      | 59 |
| 61.8                                | 61.6      | 60.6       | 188.6                      | 194.3     | 188.6      | 54.2                                | 56.1      | 56.0       | 176.2     | 184.0     | 184.0      | 198.3      | 195.1     | 209.8      | 60 |

**ESTABLISHMENT DATA**  
**STATE AND AREA EMPLOYMENT**

**B-8 Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| State and area                          | Total     |           |            | Mining    |           |            | Construction |           |            | Manufacturing |           |            |
|---|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
|   | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979    | JUNE 1980 | JULY 1980P | JULY 1979     | JUNE 1980 | JULY 1980P |
| 1 MASSACHUSETTES                        | 2,612.4   | 2,689.8   | 2,705.8    | (1)       | (1)       | (1)        | 83.3         | 83.7      | 81.4       | 658.4         | 674.1     | 648.5      |
| 2 Boston                                | 1,444.3   | 1,499.9   | 1,497.9    | (1)       | (1)       | (1)        | 44.7         | 45.5      | 44.7       | 290.8         | 292.9     | 289.6      |
| 3 Brockton                              | 58.5      | 60.2      | 59.4       | (1)       | (1)       | (1)        | 1.8          | 1.9       | 1.7        | 12.8          | 13.2      | 12.5       |
| 4 Fall River                            | 57.1      | 58.2      | 57.0       | (1)       | (1)       | (1)        | 1.8          | 1.7       | 1.8        | 19.5          | 20.2      | 19.0       |
| 5 Lawrence—Haverhill                    | 108.6     | 113.1     | 111.5      | (1)       | (1)       | (1)        | 3.5          | 3.1       | 3.0        | 40.2          | 44.8      | 43.7       |
| 6 Lowell                                | 74.4      | 78.4      | 75.6       | (1)       | (1)       | (1)        | 3.1          | 3.2       | 3.2        | 25.5          | 29.2      | 27.2       |
| 7 New Bedford                           | 66.5      | 66.4      | 64.5       | (1)       | (1)       | (1)        | 1.8          | 1.6       | 1.7        | 25.5          | 26.3      | 24.3       |
| 8 Springfield—Chicopee—Holyoke          | 233.4     | 230.8     | 229.7      | (1)       | (1)       | (1)        | 6.6          | 6.4       | 6.0        | 66.9          | 66.6      | 64.1       |
| 9 Worcester                             | 161.8     | 165.9     | 163.3      | (1)       | (1)       | (1)        | 5.3          | 5.1       | 5.4        | 47.7          | 47.8      | 46.2       |
| 10 MICHIGAN                             | 3,614.6   | 3,431.8   | 3,327.7    | 13.8      | 14.0      | 13.9       | 153.7        | 123.7     | 124.7      | 1,134.9       | 951.0     | 879.5      |
| 11 Ann Arbor                            | 136.3     | 133.7     | 121.1      | (1)       | (1)       | (1)        | 3.5          | 2.8       | 2.7        | 45.4          | 40.4      | 31.3       |
| 12 Battle Creek                         | 66.3      | 64.3      | 63.7       | (1)       | (1)       | (1)        | 2.3          | 2.0       | 2.1        | 23.6          | 20.6      | 20.0       |
| 13 Bay City                             | 34.6      | 33.2      | 32.6       | (1)       | (1)       | (1)        | 1.3          | 1.1       | 1.1        | 10.5          | 8.8       | 8.5        |
| 14 Detroit                              | 1,777.4   | 1,674.7   | 1,624.5    | 1.3       | 1.3       | 1.3        | 65.9         | 54.7      | 54.8       | 565.8         | 470.9     | 431.8      |
| 15 Flint                                | 202.0     | 180.1     | 178.4      | (1)       | (1)       | (1)        | 6.9          | 7.1       | 7.0        | 84.2          | 64.2      | 62.8       |
| 16 Grand Rapids                         | 269.2     | 265.3     | 263.6      | (1)       | (1)       | (1)        | 15.8         | 12.8      | 13.3       | 94.3          | 87.6      | 86.6       |
| 17 Jackson                              | 55.3      | 51.1      | 49.9       | (1)       | (1)       | (1)        | 2.3          | 1.5       | 1.4        | 16.5          | 13.7      | 13.1       |
| 18 Kalamazoo—Portage                    | 108.0     | 108.6     | 104.8      | (1)       | (1)       | (1)        | 4.8          | 5.1       | 4.9        | 35.9          | 32.1      | 30.9       |
| 19 Lansing—East Lansing                 | 191.6     | 196.5     | 187.7      | (1)       | (1)       | (1)        | 7.5          | 7.1       | 7.2        | 46.1          | 40.0      | 38.7       |
| 20 Muskegon—Norton Shores—Muskegon Hgts | 62.8      | 60.6      | 58.9       | (1)       | (1)       | (1)        | 3.3          | 2.4       | 2.4        | 22.5          | 19.9      | 17.8       |
| 21 Saginaw                              | 91.7      | 82.1      | 80.4       | (1)       | (1)       | (1)        | 2.8          | 2.4       | 2.2        | 36.9          | 27.0      | 25.8       |
| 22 MINNESOTA                            | 1,790.9   | 1,814.8   | 1,793.1    | 18.4      | 15.6      | 16.4       | 98.6         | 86.0      | 88.7       | 392.1         | 376.3     | 377.3      |
| 23 Duluth—Superior                      | 62.6      | 61.8      | 61.5       | (1)       | (1)       | (1)        | 2.4          | 2.2       | 2.2        | 8.1           | 7.9       | 7.7        |
| 24 Minneapolis—St. Paul                 | 1,079.6   | 1,103.5   | 1,085.8    | (1)       | (1)       | (1)        | 53.0         | 47.9      | 48.8       | 252.8         | 244.6     | 243.5      |
| 25 Rochester                            | 50.6      | 50.4      | 50.7       | (2)       | (2)       | (2)        | 2.6          | 2.4       | 2.5        | 10.8          | 10.3      | 10.6       |
| 26 St. Cloud                            | 51.9      | 53.0      | 51.8       | (1)       | (1)       | (1)        | 2.5          | 2.6       | 2.7        | 13.4          | 11.9      | 11.9       |
| 27 MISSISSIPPI                          | 841.6     | 820.2     | 813.5      | 9.8       | 10.1      | 10.3       | 49.6         | 45.3      | 45.4       | 235.7         | 216.6     | 213.2      |
| 28 Jackson                              | 145.8     | 146.1     | 145.2      | 1.3       | 1.4       | 1.4        | 9.1          | 7.6       | 7.7        | 19.3          | 18.6      | 18.5       |
| 29 MISSOURI                             | 2,011.4   | 1,983.8   | 1,964.5    | 8.3       | 7.7       | 7.3        | 103.1        | 73.9      | 82.5       | 460.7         | 434.7     | 423.4      |
| 30 Kansas City                          | 640.5     | 616.1     | 615.1      | .6        | .6        | .6         | 31.4         | 25.3      | 25.9       | 126.7         | 116.6     | 116.4      |
| 31 St. Joseph                           | 37.2      | 37.0      | 36.7       | (2)       | (2)       | (2)        | 2.3          | 2.3       | 2.3        | 9.8           | 8.9       | 8.8        |
| 32 St. Louis                            | 1,011.2   | 966.1     | 966.1      | 3.2       | 3.0       | 3.0        | 49.5         | 33.5      | 40.0       | 254.5         | 237.6     | 234.6      |
| 33 Springfield                          | 83.2      | 82.5      | 82.8       | (2)       | (2)       | (2)        | 4.6          | 3.7       | 4.0        | 18.5          | 18.1      | 17.9       |
| 34 MONTANA                              | 291.9     | 292.8     | 281.9      | 7.8       | 7.7       | 6.0        | 18.2         | 16.9      | 17.0       | 28.0          | 24.7      | 24.0       |
| 35 Billings                             | 48.7      | 50.4      | 49.9       | (1)       | (1)       | (1)        | 3.1          | 2.8       | 2.8        | 4.5           | 4.6       | 4.7        |
| 36 Great Falls                          | 30.7      | 30.5      | 29.9       | (1)       | (1)       | (1)        | 2.3          | 2.1       | 2.2        | 1.8           | 1.7       | 1.3        |
| 37 NEBRASKA                             | 630.5     | 632.9     | 622.2      | 1.8       | 1.6       | 1.6        | 38.4         | 33.8      | 35.4       | 99.9          | 95.1      | 93.4       |
| 38 Lincoln                              | 98.4      | 103.3     | 99.2       | (2)       | (2)       | (2)        | 5.5          | 4.9       | 5.9        | 14.2          | 13.4      | 13.3       |
| 39 Omaha                                | 266.9     | 264.5     | 263.3      | (2)       | (2)       | (2)        | 13.0         | 10.4      | 11.6       | 37.7          | 35.9      | 35.4       |
| 40 NEVADA                               | 388.0     | 400.3     | 403.3      | 4.8       | 5.4       | 5.3        | 28.5         | 24.2      | 23.1       | 19.8          | 19.5      | 19.4       |
| 41 Las Vegas                            | 209.9     | 218.3     | 220.4      | .5        | .5        | .6         | 15.5         | 13.8      | 12.7       | 7.0           | 7.4       | 7.4        |
| 42 Reno                                 | 116.5     | 117.9     | 118.8      | .8        | .8        | .9         | 8.5          | 6.6       | 6.5        | 8.6           | 7.9       | 8.0        |
| 43 NEW HAMPSHIRE                        | 382.8     | 386.1     | 384.7      | .5        | .4        | .4         | 22.9         | 20.8      | 21.2       | 114.1         | 115.0     | 111.7      |
| 44 Manchester                           | 72.6      | 73.8      | 72.9       | (2)       | (2)       | (2)        | 3.9          | 3.2       | 3.3        | 18.0          | 17.6      | 17.2       |
| 45 Nashua                               | 59.5      | 63.4      | 62.2       | (2)       | (2)       | (2)        | 3.1          | 2.6       | 2.6        | 27.6          | 29.4      | 28.8       |
| 46 NEW JERSEY                           | 3,077.1   | 3,089.7   | 3,076.6    | 2.8       | 2.8       | 2.8        | 124.5        | 113.6     | 117.7      | 792.6         | 786.1     | 765.1      |
| 47 Atlantic City                        | 88.9      | 93.5      | 97.2       | -         | -         | -          | 7.8          | 6.8       | 6.8        | 9.3           | 9.1       | 8.3        |
| 48 Camden                               | 330.9     | 331.0     | 328.2      | .1        | .1        | .1         | 16.1         | 13.1      | 14.1       | 70.9          | 69.7      | 67.4       |
| 49 Hackensack                           | 398.2     | 400.2     | 390.0      | (1)       | (1)       | (1)        | 15.2         | 12.8      | 12.7       | 113.7         | 110.2     | 106.2      |
| 50 Jersey City                          | 235.9     | 228.0     | 228.2      | -         | -         | -          | 4.4          | 4.5       | 4.1        | 71.1          | 68.5      | 66.4       |
| 51 Long Branch—Asbury Park              | 163.4     | 163.2     | 163.9      | (1)       | (1)       | (1)        | 7.0          | 5.0       | 5.4        | 24.6          | 25.1      | 24.9       |
| 52 New Bruns.—Perth Amboy—Sayreville    | 284.9     | 287.5     | 286.0      | (1)       | (1)       | (1)        | 11.4         | 10.1      | 11.2       | 90.9          | 90.0      | 87.7       |
| 53 Newark                               | 945.1     | 949.3     | (*)        | .8        | .9        | (*)        | 36.5         | 31.5      | (*)        | 250.4         | 248.8     | (*)        |
| 54 Paterson—Clifton—Passaic             | 190.9     | 189.8     | 188.1      | (1)       | (1)       | (1)        | 7.3          | 6.1       | 6.3        | 68.7          | 66.6      | 65.7       |
| 55 Trenton                              | 163.3     | 164.8     | 160.0      | (1)       | (1)       | (1)        | 3.3          | 3.3       | 3.3        | 36.3          | 34.0      | 31.1       |
| 56 Vineland—Millville—Bridgeton         | 55.4      | 55.6      | 55.1       | (1)       | (1)       | (1)        | 1.8          | 1.5       | 1.6        | 17.9          | 17.8      | 17.5       |
| 57 NEW MEXICO                           | 465.4     | 477.2     | 475.4      | 27.5      | 29.2      | 28.7       | 38.6         | 36.9      | 36.7       | 34.7          | 34.8      | 34.0       |
| 58 Albuquerque                          | 188.4     | 192.4     | 193.2      | (1)       | (1)       | (1)        | 17.0         | 16.1      | 16.0       | 18.1          | 18.0      | 17.6       |
| 59 NEW YORK                             | 7,220.4   | 7,240.3   | 7,183.8    | 6.0       | 6.2       | 6.3        | 225.3        | 201.5     | 201.7      | 1,493.7       | 1,467.0   | 1,436.4    |
| 60 Albany—Schenectady—Troy              | 339.6     | 340.0     | 337.5      | (1)       | (1)       | (1)        | 12.7         | 11.7      | 12.2       | 60.2          | 57.7      | 56.8       |
| 61 Binghamton                           | 116.9     | 119.2     | 115.9      | (1)       | (1)       | (1)        | 4.7          | 3.3       | 3.6        | 42.8          | 42.9      | 41.8       |
| 62 Buffalo                              | 519.1     | 510.2     | 505.8      | (1)       | (1)       | (1)        | 21.3         | 20.3      | 21.3       | 147.0         | 133.1     | 129.6      |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-B. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| Transportation and public utilities |           |            | Wholesale and retail trade |           |            | Finance, insurance, and real estate |           |            | Services  |           |            | Government |           |            |    |
|-------------------------------------|-----------|------------|----------------------------|-----------|------------|-------------------------------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|----|
| JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979                  | JUNE 1980 | JULY 1980P | JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979  | JUNE 1980 | JULY 1980P |    |
| 118.1                               | 123.5     | 119.9      | 569.8                      | 593.0     | 590.3      | 150.6                               | 152.5     | 152.8      | 594.0     | 651.3     | 690.2      | 438.2      | 411.7     | 422.7      | 1  |
| 71.3                                | 74.6      | 73.3       | 310.2                      | 329.0     | 323.4      | 106.1                               | 109.1     | 108.5      | 393.5     | 431.5     | 437.5      | 227.7      | 217.3     | 220.9      | 2  |
| 4.2                                 | 4.7       | 4.5        | 15.4                       | 16.4      | 16.2       | 2.1                                 | 2.2       | 2.2        | 9.3       | 9.3       | 9.3        | 12.9       | 12.4      | 13.0       | 3  |
| 1.9                                 | 1.9       | 1.8        | 11.8                       | 12.1      | 11.8       | 2.7                                 | 2.6       | 2.5        | 11.0      | 11.4      | 11.6       | 8.4        | 8.3       | 8.5        | 4  |
| 4.4                                 | 4.5       | 4.3        | 21.7                       | 21.6      | 21.2       | 4.0                                 | 4.1       | 4.0        | 16.5      | 17.0      | 17.5       | 18.3       | 18.0      | 17.8       | 5  |
| 3.1                                 | 3.5       | 3.2        | 15.2                       | 15.9      | 15.2       | 2.1                                 | 2.0       | 2.0        | 11.6      | 11.8      | 11.6       | 13.8       | 12.8      | 13.2       | 6  |
| 2.3                                 | 2.4       | 2.1        | 13.0                       | 13.1      | 13.1       | 2.0                                 | 2.0       | 2.0        | 9.8       | 9.8       | 10.2       | 12.1       | 11.2      | 11.1       | 7  |
| 8.9                                 | 9.1       | 8.6        | 47.1                       | 46.6      | 45.7       | 12.9                                | 12.7      | 12.8       | 43.5      | 44.6      | 45.1       | 47.5       | 44.8      | 47.4       | 8  |
| 6.5                                 | 7.1       | 6.6        | 35.2                       | 36.7      | 36.0       | 9.1                                 | 9.3       | 9.2        | 31.8      | 32.5      | 32.5       | 26.2       | 27.4      | 27.4       | 9  |
| 160.5                               | 153.6     | 153.7      | 755.4                      | 755.0     | 747.1      | 155.9                               | 156.9     | 157.4      | 636.5     | 643.2     | 646.2      | 603.9      | 634.3     | 605.1      | 10 |
| 3.8                                 | 3.6       | 3.3        | 19.6                       | 19.2      | 18.8       | 3.5                                 | 3.7       | 3.6        | 21.4      | 22.0      | 21.9       | 39.1       | 41.9      | 39.5       | 11 |
| 2.4                                 | 2.3       | 2.4        | 11.0                       | 11.4      | 11.4       | 3.7                                 | 3.6       | 3.6        | 11.0      | 11.9      | 11.8       | 12.2       | 12.5      | 12.4       | 12 |
| 1.9                                 | 2.0       | 2.0        | 8.2                        | 8.3       | 8.3        | 1.2                                 | 1.3       | 1.2        | 8.6       | 6.9       | 7.0        | 4.9        | 4.7       | 4.5        | 13 |
| 87.0                                | 83.5      | 83.8       | 366.8                      | 363.9     | 359.4      | 90.5                                | 90.9      | 91.5       | 344.4     | 346.8     | 350.1      | 255.8      | 262.7     | 251.9      | 14 |
| 7.2                                 | 6.8       | 6.8        | 40.2                       | 38.8      | 38.8       | 6.2                                 | 5.7       | 5.8        | 30.4      | 31.0      | 30.9       | 26.9       | 26.5      | 26.3       | 15 |
| 10.9                                | 10.6      | 10.5       | 58.8                       | 61.1      | 60.4       | 10.1                                | 1.0       | 10.2       | 48.5      | 50.2      | 49.9       | 30.8       | 32.5      | 32.7       | 16 |
| 5.1                                 | 5.3       | 5.3        | 11.0                       | 10.3      | 10.3       | 1.5                                 | 1.5       | 1.5        | 10.2      | 9.7       | 9.4        | 8.7        | 9.0       | 8.9        | 17 |
| 4.0                                 | 4.2       | 4.3        | 21.2                       | 21.6      | 21.4       | 3.5                                 | 3.5       | 3.4        | 21.5      | 22.8      | 23.0       | 17.1       | 18.9      | 16.9       | 18 |
| 5.6                                 | 5.9       | 5.7        | 35.4                       | 36.7      | 35.9       | 9.1                                 | 9.2       | 9.1        | 26.4      | 27.5      | 27.3       | 61.5       | 70.1      | 63.8       | 19 |
| 3.1                                 | 3.0       | 3.0        | 11.9                       | 11.9      | 12.1       | 1.8                                 | 1.8       | 1.8        | 9.9       | 10.8      | 11.0       | 10.1       | 10.6      | 10.8       | 20 |
| 4.7                                 | 5.0       | 5.0        | 17.5                       | 17.6      | 17.4       | 3.8                                 | 3.9       | 3.9        | 14.4      | 14.9      | 14.9       | 11.6       | 11.3      | 11.2       | 21 |
| 101.0                               | 100.1     | 99.4       | 448.0                      | 456.0     | 452.7      | 93.2                                | 96.7      | 97.9       | 360.7     | 376.2     | 375.6      | 278.9      | 307.9     | 284.9      | 22 |
| 7.3                                 | 6.8       | 6.5        | 17.0                       | 15.7      | 15.6       | 2.3                                 | 2.3       | 2.3        | 12.7      | 13.3      | 13.2       | 12.6       | 13.6      | 13.9       | 23 |
| 64.6                                | 65.0      | 65.0       | 264.7                      | 273.4     | 269.7      | 68.7                                | 70.5      | 71.5       | 228.2     | 239.1     | 237.7      | 147.6      | 163.0     | 149.5      | 24 |
| 2.0                                 | 2.0       | 2.0        | 9.4                        | 9.8       | 9.7        | 1.5                                 | 1.5       | 1.6        | 18.4      | 18.3      | 18.4       | 6.0        | 6.0       | 6.1        | 25 |
| 3.4                                 | 3.6       | 3.6        | 12.3                       | 12.7      | 12.7       | 1.8                                 | 1.8       | 1.8        | 8.5       | 9.3       | 9.0        | 10.1       | 11.1      | 10.1       | 26 |
| 41.5                                | 42.1      | 42.0       | 163.7                      | 162.0     | 162.1      | 33.2                                | 33.2      | 33.2       | 118.6     | 120.5     | 119.1      | 189.5      | 190.2     | 188.2      | 27 |
| 10.0                                | 10.1      | 10.2       | 35.3                       | 35.0      | 35.1       | 11.5                                | 11.5      | 11.6       | 27.1      | 27.7      | 27.7       | 32.2       | 34.1      | 33.0       | 28 |
| 144.1                               | 141.5     | 140.5      | 477.7                      | 485.6     | 485.6      | 110.6                               | 110.2     | 110.7      | 386.4     | 395.3     | 396.7      | 320.5      | 334.9     | 317.8      | 29 |
| 55.5                                | 50.8      | 50.4       | 161.6                      | 154.4     | 154.7      | 44.3                                | 44.4      | 44.4       | 131.0     | 131.5     | 132.6      | 89.4       | 92.5      | 90.1       | 30 |
| 2.1                                 | 2.1       | 2.1        | 9.2                        | 8.9       | 8.8        | 1.8                                 | 1.9       | 1.9        | 6.8       | 7.1       | 7.1        | 5.2        | 5.8       | 5.7        | 31 |
| 73.1                                | 69.8      | 70.5       | 229.2                      | 220.2     | 219.4      | 57.4                                | 56.9      | 56.8       | 207.1     | 207.7     | 207.8      | 137.2      | 137.4     | 134.0      | 32 |
| 6.5                                 | 6.7       | 6.7        | 24.0                       | 22.5      | 22.5       | 3.5                                 | 3.4       | 3.4        | 16.9      | 16.9      | 17.0       | 9.2        | 11.2      | 11.3       | 33 |
| 24.1                                | 23.2      | 23.0       | 76.9                       | 75.3      | 74.6       | 13.0                                | 13.0      | 13.0       | 97.0      | 58.2      | 58.0       | 66.8       | 73.8      | 66.4       | 34 |
| 4.9                                 | 5.1       | 5.1        | 16.2                       | 16.4      | 16.4       | 2.4                                 | 2.1       | 2.4        | 10.3      | 11.2      | 10.9       | 7.3        | 8.2       | 7.7        | 35 |
| 2.0                                 | 1.9       | 1.9        | 10.0                       | 9.7       | 9.8        | 2.1                                 | 2.1       | 2.1        | 6.9       | 6.8       | 6.8        | 5.6        | 6.2       | 5.8        | 36 |
| 47.4                                | 48.2      | 46.3       | 165.5                      | 165.0     | 164.7      | 41.4                                | 42.8      | 43.1       | 114.7     | 119.9     | 119.3      | 121.4      | 128.5     | 118.4      | 37 |
| 7.4                                 | 7.3       | 7.3        | 21.8                       | 22.6      | 22.3       | 7.3                                 | 7.4       | 7.5        | 15.8      | 16.6      | 16.4       | 26.4       | 31.1      | 27.4       | 38 |
| 25.0                                | 24.6      | 24.7       | 69.7                       | 68.8      | 68.6       | 24.5                                | 25.5      | 25.5       | 58.8      | 60.6      | 60.4       | 38.2       | 38.7      | 37.1       | 39 |
| 23.3                                | 24.8      | 24.9       | 77.9                       | 81.5      | 82.1       | 17.0                                | 17.4      | 17.6       | 163.1     | 170.2     | 174.4      | 53.6       | 57.3      | 56.5       | 40 |
| 12.5                                | 13.4      | 13.5       | 43.1                       | 45.2      | 45.4       | 9.4                                 | 9.8       | 9.9        | 97.1      | 101.8     | 104.6      | 24.8       | 26.3      | 26.3       | 41 |
| 8.1                                 | 8.7       | 8.6        | 25.0                       | 25.9      | 26.2       | 6.1                                 | 6.1       | 6.1        | 44.9      | 46.1      | 46.8       | 14.5       | 15.8      | 15.7       | 42 |
| 13.2                                | 14.0      | 13.4       | 85.9                       | 86.2      | 87.2       | 19.1                                | 19.9      | 20.0       | 71.9      | 69.8      | 73.6       | 55.2       | 60.0      | 57.2       | 43 |
| 4.8                                 | 4.9       | 4.9        | 18.4                       | 18.9      | 18.9       | 6.3                                 | 6.4       | 6.4        | 13.5      | 14.0      | 13.8       | 7.7        | 8.8       | 8.4        | 44 |
| 1.8                                 | 2.0       | 1.9        | 11.5                       | 12.3      | 12.2       | 1.8                                 | 2.0       | 2.0        | 8.5       | 8.8       | 8.8        | 5.2        | 6.3       | 5.9        | 45 |
| 487.7                               | 186.6     | 182.5      | 689.4                      | 689.9     | 684.5      | 155.8                               | 157.1     | 158.0      | 593.0     | 612.1     | 616.9      | 531.3      | 541.5     | 549.1      | 46 |
| 3.8                                 | 4.2       | 4.1        | 21.4                       | 20.3      | 21.8       | 5.2                                 | 5.2       | 5.3        | 26.3      | 32.5      | 34.6       | 15.2       | 15.4      | 16.3       | 47 |
| 15.6                                | 15.5      | 15.1       | 86.8                       | 86.1      | 84.9       | 16.3                                | 16.9      | 17.0       | 64.9      | 67.3      | 67.9       | 60.2       | 62.3      | 61.7       | 48 |
| 20.3                                | 19.0      | 19.7       | 116.4                      | 115.6     | 113.9      | 16.6                                | 17.2      | 17.3       | 73.7      | 78.1      | 76.4       | 42.3       | 46.4      | 43.8       | 49 |
| 26.8                                | 25.3      | 25.1       | 43.9                       | 45.5      | 44.8       | 8.1                                 | 8.2       | 8.1        | 30.6      | 30.5      | 30.1       | 50.9       | 45.5      | 49.6       | 50 |
| 6.0                                 | 6.1       | 6.0        | 40.9                       | 40.2      | 40.4       | 8.0                                 | 7.8       | 7.8        | 43.6      | 43.4      | 45.2       | 33.3       | 35.6      | 34.2       | 51 |
| 21.4                                | 22.6      | 22.7       | 64.8                       | 65.4      | 63.9       | 9.8                                 | 10.1      | 10.2       | 40.4      | 40.9      | 42.5       | 46.1       | 48.4      | 47.8       | 52 |
| 70.3                                | 70.5      | (*)        | 178.1                      | 181.7     | (*)        | 65.4                                | 64.8      | (*)        | 188.0     | 195.4     | (*)        | 155.4      | 155.7     | (*)        | 53 |
| 6.9                                 | 6.3       | 5.9        | 41.1                       | 41.1      | 40.1       | 9.0                                 | 9.0       | 9.1        | 30.8      | 32.7      | 32.0       | 27.0       | 28.0      | 29.0       | 54 |
| 5.7                                 | 5.8       | 5.5        | 28.8                       | 24.4      | 23.7       | 6.8                                 | 6.8       | 6.9        | 40.4      | 42.8      | 42.0       | 46.0       | 47.7      | 47.5       | 55 |
| 3.0                                 | 2.9       | 2.9        | 9.7                        | 9.3       | 9.2        | 1.9                                 | 2.0       | 2.0        | 8.7       | 8.7       | 8.7        | 12.5       | 13.4      | 13.2       | 56 |
| 27.7                                | 27.9      | 28.1       | 105.1                      | 108.5     | 108.5      | 21.6                                | 22.2      | 22.5       | 92.9      | 94.4      | 95.9       | 117.3      | 123.3     | 121.0      | 57 |
| 11.2                                | 11.5      | 11.6       | 47.0                       | 48.5      | 48.4       | 11.0                                | 11.4      | 11.5       | 43.0      | 45.0      | 45.2       | 41.1       | 41.8      | 42.9       | 58 |
| 433.8                               | 439.9     | 433.3      | 1,476.2                    | 1,481.6   | 1,469.1    | 610.2                               | 617.7     | 621.5      | 1,655.1   | 1,688.4   | 1,697.1    | 1,320.0    | 1,337.9   | 1,318.3    | 59 |
| 15.9                                | 15.9      | 15.7       | 69.8                       | 69.4      | 69.0       | 15.8                                | 15.9      | 16.0       | 69.7      | 70.7      | 72.2       | 95.5       | 98.7      | 95.6       | 60 |
| 4.8                                 | 4.7       | 4.7        | 21.4                       | 21.8      | 21.4       | 3.9                                 | 4.1       | 4.1        | 18.3      | 18.4      | 18.8       | 21.0       | 24.1      | 21.4       | 61 |
| 28.7                                | 28.5      | 28.2       | 116.4                      | 116.7     | 116.3      | 22.3                                | 22.6      | 22.8       | 97.1      | 99.2      | 99.4       | 86.3       | 89.8      | 88.2       | 62 |

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| State and area                               | Total     |           |            | Mining    |           |            | Construction |           |            | Manufacturing |           |            |
|--|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
|  | JULY 1979 | JUNE 1980 | JULY 1980† | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979    | JUNE 1980 | JULY 1980P | JULY 1979     | JUNE 1980 | JULY 1980P |
| <b>NEW YORK—Continued</b>                    |           |           |            |           |           |            |              |           |            |               |           |            |
| 1 Elmira .....                               | 37.8      | 37.0      | 37.2       | (1)       | (1)       | (1)        | 1.3          | 1.2       | 1.3        | 11.8          | 11.4      | 11.0       |
| 2 Monroe County ? .....                      | 339.7     | 337.0     | 333.9      | (1)       | (1)       | (1)        | 11.5         | 9.6       | 9.7        | 138.4         | 134.3     | 134.4      |
| 3 Nassau—Suffolk ? .....                     | 903.4     | 919.9     | 909.2      | (1)       | (1)       | (1)        | 38.2         | 35.3      | 35.1       | 164.2         | 166.1     | 163.2      |
| 4 New York—Northeastern New Jersey .....     | (*)       | 6,723.4   | 6,690.5    | (*)       | 3.1       | 3.1        | (*)          | 189.8     | 189.6      | (*)           | 1,355.2   | 1,321.5    |
| 5 New York—Nassau—Suffolk ? .....            | 4,640.4   | 4,668.7   | 4,644.5    | 1.7       | 1.7       | 1.7        | 128.8        | 124.6     | 123.8      | 769.0         | 771.0     | 750.2      |
| 6 New York SMSA ? .....                      | 3,737.0   | 3,748.8   | 3,735.3    | 1.5       | 1.5       | 1.5        | 90.6         | 89.3      | 88.6       | 604.8         | 604.9     | 587.0      |
| 7 New York City ? .....                      | 3,286.0   | 3,296.3   | 3,283.5    | 1.2       | 1.2       | 1.2        | 71.0         | 71.7      | 71.4       | 510.9         | 510.3     | 493.2      |
| 8 Poughkeepsie .....                         | 98.6      | 99.2      | 98.4       | (1)       | (1)       | (1)        | 3.1          | 2.6       | 2.5        | 33.3          | 32.9      | 32.7       |
| 9 Rochester .....                            | 418.2     | 414.7     | 409.4      | (1)       | (1)       | (1)        | 14.4         | 11.9      | 12.0       | 160.5         | 154.9     | 155.3      |
| 10 Rockland County ? .....                   | 82.7      | 82.0      | 82.3       | (1)       | (1)       | (1)        | 2.8          | 2.3       | 2.6        | 15.9          | 15.7      | 15.7       |
| 11 Syracuse .....                            | 263.0     | 259.9     | 258.0      | (1)       | (1)       | (1)        | 12.7         | 8.4       | 8.7        | 60.9          | 58.9      | 57.6       |
| 12 Utica—Rome .....                          | 117.8     | 117.4     | 116.2      | (1)       | (1)       | (1)        | 3.7          | 3.1       | 3.2        | 32.3          | 31.1      | 30.4       |
| 13 Westchester County ? .....                | 355.7     | 357.5     | 356.2      | (1)       | (1)       | (1)        | 15.9         | 14.5      | 13.9       | 76.7          | 77.5      | 76.8       |
| 14 <b>NORTH CAROLINA</b> .....               | 2,355.4   | 2,429.9   | (*)        | 5.0       | 5.1       | (*)        | 131.9        | 126.9     | (*)        | 822.9         | 815.0     | (*)        |
| 15 Asheville .....                           | 73.9      | 72.2      | (*)        | (1)       | (1)       | (*)        | 3.4          | 3.2       | (*)        | 21.9          | 21.8      | (*)        |
| 16 Charlotte—Gastonia .....                  | 321.6     | 327.7     | (*)        | (1)       | (1)       | (*)        | 18.5         | 17.7      | (*)        | 88.3          | 87.4      | (*)        |
| 17 Greensboro—Winston-Salem—High Pt. .....   | 384.2     | 392.4     | (*)        | (1)       | (1)       | (*)        | 17.7         | 16.4      | (*)        | 151.5         | 151.2     | (*)        |
| 18 Raleigh—Durham .....                      | 259.9     | 271.1     | (*)        | (1)       | (1)       | (*)        | 16.2         | 14.5      | (*)        | 43.8          | 44.1      | (*)        |
| 19 <b>NORTH DAKOTA</b> .....                 | 248.0     | 250.0     | 247.9      | 5.8       | 7.3       | 7.5        | 22.0         | 17.1      | 17.3       | 16.7          | 15.6      | 15.4       |
| 20 Fargo—Moorhead .....                      | 61.9      | 61.6      | 60.7       | (2)       | (2)       | (2)        | 5.1          | 3.9       | 4.0        | 5.2           | 4.6       | 4.6        |
| 21 <b>OHIO</b> .....                         | 4,511.1   | 4,436.6   | 4,363.1    | 32.2      | 31.3      | 31.2       | 204.3        | 173.9     | 178.5      | 1,382.8       | 1,242.7   | 1,212.2    |
| 22 Akron .....                               | 272.0     | 265.8     | 263.4      | (*)       | (*)       | (*)        | 10.4         | 8.8       | 9.1        | 85.4          | 76.8      | 75.6       |
| 23 Canton .....                              | 164.5     | 161.1     | 159.6      | (*)       | (*)       | (*)        | 7.5          | 6.5       | 6.8        | 60.4          | 55.0      | 53.7       |
| 24 Cincinnati .....                          | 609.5     | 613.4     | 602.8      | (*)       | (*)       | (*)        | 30.4         | 27.3      | 28.1       | 173.3         | 162.3     | 159.0      |
| 25 Cleveland .....                           | 932.3     | 915.2     | 905.6      | (*)       | (*)       | (*)        | 37.4         | 33.2      | 34.2       | 275.5         | 250.8     | 241.3      |
| 26 Columbus .....                            | 505.8     | 511.8     | 505.4      | (*)       | (*)       | (*)        | 23.5         | 20.2      | 20.9       | 100.7         | 93.5      | 92.9       |
| 27 Dayton .....                              | 361.2     | 361.3     | 353.1      | (*)       | (*)       | (*)        | 15.6         | 14.0      | 14.5       | 109.2         | 97.8      | 96.3       |
| 28 Toledo .....                              | 304.5     | 301.0     | 290.1      | (*)       | (*)       | (*)        | 12.5         | 11.2      | 11.0       | 89.3          | 76.0      | 73.6       |
| 29 Youngstown—Warren .....                   | 216.7     | 206.9     | 203.6      | (*)       | (*)       | (*)        | 8.0          | 6.6       | 6.9        | 80.5          | 68.0      | 66.9       |
| 30 <b>OKLAHOMA</b> .....                     | 1,094.7   | 1,142.2   | 1,136.0    | 61.3      | 68.7      | 70.0       | 63.4         | 61.6      | 61.7       | 182.8         | 185.9     | 185.5      |
| 31 Oklahoma City .....                       | 381.5     | 408.2     | 406.0      | 13.6      | 15.2      | 15.3       | 21.0         | 22.0      | 22.3       | 53.0          | 56.3      | 56.4       |
| 32 Tulsa .....                               | 286.4     | 292.5     | 292.2      | 18.3      | 19.8      | 19.8       | 16.9         | 15.8      | 16.1       | 59.6          | 61.6      | 61.1       |
| 33 <b>OREGON</b> .....                       | 1,053.7   | 1,043.2   | 1,019.4    | 2.6       | 2.3       | 2.4        | 57.5         | 48.2      | 48.9       | 234.0         | 208.1     | 210.1      |
| 34 Eugene—Springfield .....                  | 104.6     | 101.1     | 98.1       | (1)       | (1)       | (1)        | 6.3          | 4.2       | 4.3        | 22.2          | 18.9      | 19.5       |
| 35 Jackson County .....                      | -         | -         | -          | -         | -         | -          | -            | -         | -          | 8.4           | 6.8       | 7.2        |
| 36 Portland .....                            | 554.9     | 555.0     | 546.7      | (1)       | (1)       | (1)        | 29.6         | 25.7      | 26.2       | 117.8         | 112.8     | 112.8      |
| 37 Salem .....                               | 89.1      | 89.1      | 87.9       | (1)       | (1)       | (1)        | 5.5          | 4.5       | 4.8        | 16.5          | 13.2      | 14.0       |
| 38 <b>PENNSYLVANIA</b> .....                 | 4,852.6   | 4,831.1   | (*)        | 52.3      | 49.0      | (*)        | 226.8        | 211.5     | (*)        | 1,397.1       | 1,343.6   | (*)        |
| 39 Allentown—Bethlehem—Easton .....          | 263.3     | 266.7     | (*)        | (1)       | (1)       | (*)        | 10.0         | 10.2      | (*)        | 109.9         | 110.6     | (*)        |
| 40 Altoona .....                             | 53.7      | 55.1      | (*)        | (1)       | (1)       | (*)        | 2.9          | 3.0       | (*)        | 13.4          | 13.4      | (*)        |
| 41 Delaware Valley <sup>10</sup> .....       | 1,601.0   | 1,620.1   | (*)        | (1)       | (1)       | (*)        | 64.9         | 68.2      | (*)        | 385.1         | 377.6     | (*)        |
| 42 Erie .....                                | 119.0     | 117.8     | (*)        | (1)       | (1)       | (*)        | 3.9          | 3.5       | (*)        | 44.8          | 42.4      | (*)        |
| 43 Harrisburg .....                          | 221.9     | 217.3     | (*)        | (1)       | (1)       | (*)        | 9.2          | 8.3       | (*)        | 43.9          | 42.6      | (*)        |
| 44 Johnstown .....                           | 92.3      | 87.7      | (*)        | 9.4       | 8.2       | (*)        | 4.0          | 3.4       | (*)        | 21.0          | 18.8      | (*)        |
| 45 Lancaster .....                           | 153.0     | 152.5     | (*)        | (1)       | (1)       | (*)        | 8.7          | 7.5       | (*)        | 61.1          | 58.7      | (*)        |
| 46 Northeast Pennsylvania .....              | 246.4     | 244.7     | (*)        | 1.3       | 1.2       | (*)        | 14.3         | 12.4      | (*)        | 71.8          | 72.6      | (*)        |
| 47 Philadelphia SMSA .....                   | 1,931.5   | 1,951.5   | (*)        | (1)       | (1)       | (*)        | 80.7         | 81.2      | (*)        | 456.7         | 447.2     | (*)        |
| 48 Philadelphia City <sup>11</sup> .....     | 804.1     | 806.0     | (*)        | (1)       | (1)       | (*)        | 19.8         | 20.5      | (*)        | 143.7         | 142.7     | (*)        |
| 49 Pittsburgh .....                          | 971.3     | 957.1     | (*)        | 11.7      | 10.8      | (*)        | 54.0         | 46.9      | (*)        | 260.1         | 243.3     | (*)        |
| 50 Reading .....                             | 138.6     | 138.5     | (*)        | (1)       | (1)       | (*)        | 6.0          | 5.3       | (*)        | 54.3          | 51.7      | (*)        |
| 51 Scranton <sup>12</sup> .....              | 86.0      | 87.1      | (*)        | (1)       | (1)       | (*)        | 2.9          | 2.5       | (*)        | 26.4          | 28.0      | (*)        |
| 52 Wilkes-Barre—Hazleton <sup>13</sup> ..... | 130.5     | 126.4     | (*)        | 15.1      | 1.0       | (*)        | 9.6          | 8.2       | (*)        | 40.8          | 39.3      | (*)        |
| 53 Williamsport .....                        | 47.9      | 46.9      | (*)        | (1)       | (1)       | (*)        | 1.8          | 1.7       | (*)        | 17.8          | 16.5      | (*)        |
| 54 York .....                                | 156.1     | 155.1     | (*)        | (1)       | (1)       | (*)        | 7.7          | 7.3       | (*)        | 65.9          | 64.2      | (*)        |
| 55 <b>RHODE ISLAND</b> .....                 | 397.1     | 395.0     | (*)        | (1)       | (1)       | (*)        | 15.5         | 12.9      | (*)        | 126.3         | 127.7     | (*)        |
| 56 Providence—Warwick—Pawtucket .....        | 405.2     | 403.9     | (*)        | (1)       | (1)       | (*)        | 15.7         | 13.1      | (*)        | 140.8         | 141.9     | (*)        |
| 57 <b>SOUTH CAROLINA</b> .....               | 1,177.4   | 1,188.5   | 1,164.0    | 1.9       | 1.9       | 1.9        | 75.9         | 71.8      | 71.5       | 398.4         | 383.0     | 375.9      |
| 58 Charleston—North Charleston .....         | 145.3     | 148.4     | 149.7      | (1)       | (1)       | (1)        | 11.6         | 11.6      | 11.5       | 19.5          | 18.4      | 18.5       |
| 59 Columbia .....                            | 173.5     | 178.2     | 175.3      | (1)       | (1)       | (1)        | 8.9          | 8.0       | 7.9        | 27.9          | 28.0      | 27.8       |
| 60 Greenville—Spartanburg .....              | 260.9     | 262.8     | 259.6      | (1)       | (1)       | (1)        | 17.3         | 16.8      | 16.6       | 106.6         | 105.1     | 102.3      |
| 61 <b>SOUTH DAKOTA</b> .....                 | 244.5     | 245.9     | 241.1      | 2.9       | 3.1       | 3.1        | 14.4         | 13.2      | 13.5       | 27.3          | 25.1      | 24.7       |
| 62 Rapid City .....                          | 31.8      | 31.4      | 31.1       | (2)       | (2)       | (2)        | 2.9          | 2.3       | 2.4        | 3.4           | 3.2       | 3.4        |
| 63 Sioux Falls .....                         | 53.5      | 52.6      | 51.4       | (2)       | (2)       | (2)        | 3.2          | 2.7       | 2.6        | 7.6           | 6.9       | 6.8        |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| Transportation and public utilities |           |            | Wholesale and retail trade |           |            | Finance, insurance, and real estate |           |            | Services  |           |            | Government |           |            |
|-------------------------------------|-----------|------------|----------------------------|-----------|------------|-------------------------------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|
| JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979                  | JUNE 1980 | JULY 1980P | JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979  | JUNE 1980 | JULY 1980P |
| 1.5                                 | 1.5       | 1.5        | 8.2                        | 8.0       | 8.0        | 1.0                                 | 1.1       | 1.1        | 6.6       | 7.0       | 6.8        | 7.3        | 6.9       | 7.6        |
| 10.1                                | 9.9       | 9.8        | 61.1                       | 61.1      | 60.2       | 15.0                                | 15.1      | 15.3       | 65.3      | 65.2      | 66.5       | 38.2       | 41.9      | 38.0       |
| 35.9                                | 38.4      | 36.3       | 237.3                      | 242.5     | 240.0      | 51.4                                | 51.7      | 51.9       | 203.5     | 202.8     | 205.9      | 173.0      | 183.1     | 176.7      |
| (*)                                 | 467.5     | 461.6      | (*)                        | 1,405.5   | 1,384.5    | (*)                                 | 619.9     | 623.2      | (*)       | 1,572.4   | 1,570.1    | (*)        | 1,110.0   | 1,136.9    |
| 319.8                               | 322.6     | 317.9      | 952.2                      | 956.2     | 943.1      | 503.6                               | 510.5     | 513.1      | 1,166.0   | 1,195.6   | 1,197.3    | 799.4      | 786.4     | 797.4      |
| 283.9                               | 284.2     | 281.6      | 714.9                      | 713.7     | 703.1      | 452.2                               | 458.9     | 461.2      | 962.8     | 993.0     | 991.6      | 626.4      | 603.3     | 620.7      |
| 260.9                               | 260.9     | 258.5      | 613.8                      | 610.5     | 600.7      | 431.3                               | 438.0     | 440.1      | 853.1     | 885.3     | 881.4      | 543.8      | 518.5     | 537.2      |
| 2.8                                 | 2.8       | 2.7        | 16.2                       | 16.4      | 16.4       | 2.6                                 | 2.6       | 2.7        | 17.8      | 17.6      | 18.2       | 22.7       | 24.1      | 23.3       |
| 13.0                                | 12.6      | 12.6       | 78.4                       | 78.7      | 77.5       | 16.6                                | 16.8      | 17.0       | 77.8      | 77.3      | 78.3       | 57.4       | 62.5      | 56.7       |
| 3.6                                 | 3.6       | 3.4        | 17.4                       | 17.8      | 17.8       | 2.5                                 | 2.5       | 2.5        | 18.8      | 18.4      | 19.1       | 21.7       | 21.7      | 21.2       |
| 15.4                                | 15.3      | 15.5       | 60.3                       | 60.0      | 60.1       | 15.8                                | 16.1      | 16.3       | 49.4      | 50.1      | 50.0       | 48.5       | 51.1      | 49.8       |
| 4.0                                 | 4.0       | 3.9        | 22.6                       | 23.0      | 23.0       | 5.8                                 | 5.8       | 5.8        | 20.6      | 20.6      | 20.5       | 28.7       | 29.9      | 29.4       |
| 18.7                                | 19.1      | 19.0       | 80.4                       | 81.9      | 81.1       | 17.9                                | 17.9      | 18.1       | 88.1      | 86.7      | 88.1       | 57.9       | 59.9      | 59.1       |
| 116.7                               | 118.7     | (*)        | 485.8                      | 497.1     | (*)        | 99.6                                | 97.8      | (*)        | 343.9     | 354.4     | (*)        | 353.6      | 414.9     | (*)        |
| 3.7                                 | 3.8       | (*)        | 15.3                       | 15.3      | (*)        | 2.2                                 | 2.3       | (*)        | 16.2      | 13.8      | (*)        | 11.2       | 12.0      | (*)        |
| 31.0                                | 30.5      | (*)        | 84.1                       | 84.4      | (*)        | 20.8                                | 20.8      | (*)        | 48.3      | 50.1      | (*)        | 30.6       | 36.8      | (*)        |
| 21.5                                | 20.9      | (*)        | 77.7                       | 78.1      | (*)        | 18.1                                | 18.2      | (*)        | 56.5      | 58.0      | (*)        | 41.2       | 49.6      | (*)        |
| 13.2                                | 13.8      | (*)        | 51.1                       | 51.9      | (*)        | 15.3                                | 15.8      | (*)        | 55.7      | 58.5      | (*)        | 64.6       | 72.5      | (*)        |
| 16.4                                | 16.7      | 16.7       | 69.2                       | 70.9      | 70.9       | 11.1                                | 11.5      | 11.5       | 47.8      | 50.3      | 50.1       | 59.0       | 60.6      | 58.5       |
| 4.2                                 | 4.1       | 4.1        | 19.3                       | 18.8      | 18.8       | 3.8                                 | 3.8       | 3.9        | 13.2      | 13.8      | 13.8       | 11.1       | 12.6      | 11.5       |
| 237.1                               | 239.4     | 239.4      | 986.8                      | 984.2     | 982.2      | 204.1                               | 205.9     | 207.7      | 823.3     | 859.2     | 855.5      | 640.4      | 699.9     | 656.4      |
| 15.5                                | 16.1      | 16.0       | 59.3                       | 59.3      | 59.6       | 9.6                                 | 9.5       | 9.4        | 51.9      | 53.9      | 54.4       | 39.4       | 40.7      | 38.8       |
| 7.8                                 | 7.7       | 7.7        | 35.3                       | 35.6      | 35.6       | 5.7                                 | 5.8       | 5.8        | 29.3      | 30.8      | 30.5       | 17.6       | 18.8      | 18.4       |
| 34.8                                | 35.7      | 35.4       | 139.1                      | 140.5     | 139.7      | 32.5                                | 33.0      | 33.0       | 122.1     | 130.1     | 129.5      | 76.9       | 84.2      | 77.6       |
| 49.1                                | 48.9      | 49.1       | 215.2                      | 214.7     | 214.1      | 48.8                                | 49.2      | 49.9       | 182.8     | 191.6     | 190.2      | 122.0      | 125.1     | 125.3      |
| 25.2                                | 25.9      | 25.8       | 121.0                      | 120.5     | 120.7      | 38.4                                | 38.2      | 38.5       | 101.4     | 105.8     | 105.5      | 97.0       | 107.0     | 100.5      |
| 13.3                                | 13.7      | 13.6       | 75.7                       | 76.2      | 75.7       | 13.7                                | 13.7      | 13.8       | 69.8      | 74.3      | 73.0       | 63.4       | 71.2      | 65.7       |
| 21.7                                | 22.7      | 22.4       | 69.1                       | 68.9      | 68.1       | 10.6                                | 10.9      | 10.9       | 60.0      | 61.9      | 61.9       | 40.7       | 48.8      | 41.7       |
| 10.6                                | 10.8      | 10.9       | 47.9                       | 47.7      | 47.5       | 7.0                                 | 7.1       | 7.1        | 38.3      | 39.5      | 39.4       | 23.9       | 26.7      | 24.4       |
| 66.4                                | 65.0      | 66.1       | 258.8                      | 268.4     | 267.0      | 54.7                                | 55.6      | 56.1       | 187.0     | 203.7     | 203.2      | 220.3      | 233.1     | 226.4      |
| 23.2                                | 23.1      | 23.1       | 95.2                       | 102.2     | 102.4      | 24.3                                | 25.2      | 25.3       | 68.9      | 74.0      | 74.4       | 82.3       | 90.2      | 86.8       |
| 22.3                                | 23.2      | 23.4       | 70.4                       | 71.2      | 71.0       | 14.7                                | 14.8      | 14.9       | 54.7      | 56.1      | 56.0       | 29.5       | 30.0      | 29.9       |
| 60.9                                | 60.5      | 59.8       | 258.1                      | 255.5     | 256.3      | 70.5                                | 70.8      | 69.9       | 185.9     | 187.0     | 184.9      | 184.2      | 210.9     | 187.1      |
| 5.4                                 | 5.1       | 5.1        | 26.1                       | 25.1      | 24.8       | 5.6                                 | 5.4       | 5.5        | 19.5      | 19.7      | 19.9       | 19.5       | 22.7      | 19.0       |
| 36.4                                | 36.4      | 36.2       | 142.7                      | 141.2     | 140.6      | 44.9                                | 44.3      | 44.6       | 106.9     | 108.1     | 107.3      | 76.6       | 86.5      | 79.0       |
| 2.8                                 | 2.9       | 2.9        | 19.3                       | 19.2      | 19.6       | 5.8                                 | 5.6       | 5.7        | 14.2      | 15.0      | 14.7       | 25.0       | 28.7      | 26.2       |
| 271.3                               | 263.2     | (*)        | 987.8                      | 978.4     | (*)        | 239.5                               | 243.4     | (*)        | 968.0     | 997.1     | (*)        | 709.8      | 744.9     | (*)        |
| 14.3                                | 14.6      | (*)        | 50.4                       | 50.3      | (*)        | 8.6                                 | 8.8       | (*)        | 41.4      | 42.2      | (*)        | 29.0       | 30.0      | (*)        |
| 7.8                                 | 6.8       | (*)        | 11.7                       | 12.6      | (*)        | 1.5                                 | 1.5       | (*)        | 9.0       | 9.1       | (*)        | 7.4        | 8.7       | (*)        |
| 87.0                                | 83.1      | (*)        | 325.8                      | 333.2     | (*)        | 110.5                               | 110.6     | (*)        | 385.5     | 402.4     | (*)        | 242.2      | 245.0     | (*)        |
| 5.5                                 | 5.3       | (*)        | 24.3                       | 25.2      | (*)        | 4.7                                 | 4.9       | (*)        | 21.5      | 21.2      | (*)        | 14.3       | 15.3      | (*)        |
| 17.3                                | 17.4      | (*)        | 44.6                       | 41.9      | (*)        | 12.6                                | 12.8      | (*)        | 38.9      | 39.6      | (*)        | 55.4       | 54.7      | (*)        |
| 5.5                                 | 4.8       | (*)        | 16.4                       | 16.9      | (*)        | 6.0                                 | 4.1       | (*)        | 16.3      | 16.6      | (*)        | 15.7       | 14.9      | (*)        |
| 6.8                                 | 7.0       | (*)        | 33.6                       | 34.1      | (*)        | 5.3                                 | 5.5       | (*)        | 24.0      | 24.9      | (*)        | 13.5       | 14.8      | (*)        |
| 13.3                                | 13.5      | (*)        | 51.5                       | 50.3      | (*)        | 9.6                                 | 9.8       | (*)        | 43.8      | 45.4      | (*)        | 40.8       | 39.5      | (*)        |
| 102.7                               | 98.4      | (*)        | 412.6                      | 419.4     | (*)        | 126.9                               | 127.6     | (*)        | 450.2     | 469.9     | (*)        | 301.7      | 307.8     | (*)        |
| 58.4                                | 54.7      | (*)        | 148.4                      | 151.1     | (*)        | 70.4                                | 69.9      | (*)        | 210.7     | 219.8     | (*)        | 152.7      | 147.3     | (*)        |
| 63.8                                | 59.1      | (*)        | 208.8                      | 206.6     | (*)        | 45.6                                | 46.6      | (*)        | 207.7     | 206.6     | (*)        | 119.6      | 137.2     | (*)        |
| 6.5                                 | 6.7       | (*)        | 27.5                       | 26.6      | (*)        | 6.1                                 | 6.3       | (*)        | 23.1      | 24.2      | (*)        | 15.1       | 17.7      | (*)        |
| 4.2                                 | 4.2       | (*)        | 19.9                       | 19.5      | (*)        | 3.4                                 | 3.5       | (*)        | 16.5      | 17.6      | (*)        | 12.7       | 11.8      | (*)        |
| 7.2                                 | 7.1       | (*)        | 26.6                       | 25.7      | (*)        | 5.3                                 | 5.5       | (*)        | 18.8      | 19.3      | (*)        | 21.1       | 20.3      | (*)        |
| 2.4                                 | 2.3       | (*)        | 9.8                        | 9.7       | (*)        | 2.1                                 | 2.1       | (*)        | 7.7       | 8.1       | (*)        | 6.3        | 6.5       | (*)        |
| 7.1                                 | 7.0       | (*)        | 32.5                       | 31.5      | (*)        | 4.0                                 | 4.1       | (*)        | 21.0      | 21.8      | (*)        | 17.9       | 19.2      | (*)        |
| 13.5                                | 13.3      | (*)        | 81.4                       | 78.6      | (*)        | 21.0                                | 20.3      | (*)        | 89.8      | 81.7      | (*)        | 58.6       | 60.5      | (*)        |
| 13.3                                | 13.1      | (*)        | 82.1                       | 80.1      | (*)        | 21.1                                | 20.3      | (*)        | 76.7      | 78.0      | (*)        | 55.5       | 57.4      | (*)        |
| 54.6                                | 53.9      | 53.7       | 226.4                      | 231.2     | 231.0      | 47.8                                | 49.4      | 49.8       | 158.4     | 166.0     | 166.1      | 214.0      | 231.3     | 214.1      |
| 9.1                                 | 9.4       | 9.4        | 31.6                       | 31.6      | 31.5       | 6.4                                 | 6.6       | 6.6        | 24.0      | 24.9      | 25.4       | 43.1       | 45.9      | 46.8       |
| 9.3                                 | 9.6       | 9.6        | 38.0                       | 37.9      | 37.3       | 13.7                                | 14.2      | 14.4       | 26.1      | 26.4      | 26.4       | 49.6       | 54.1      | 51.9       |
| 10.5                                | 9.9       | 9.7        | 50.6                       | 51.0      | 51.0       | 9.2                                 | 9.6       | 9.7        | 35.7      | 36.5      | 36.8       | 31.0       | 33.9      | 33.5       |
| 134.8                               | 13.4      | 13.5       | 69.0                       | 67.4      | 67.4       | 11.0                                | 11.7      | 11.8       | 50.4      | 51.8      | 51.3       | 55.7       | 60.2      | 55.8       |
| 2.0                                 | 1.8       | 1.8        | 10.0                       | 9.9       | 10.0       | 1.4                                 | 1.3       | 1.4        | 6.9       | 7.1       | 7.1        | 5.2        | 5.8       | 5.0        |
| 4.8                                 | 4.7       | 4.6        | 16.3                       | 15.4      | 15.4       | 3.4                                 | 3.4       | 3.5        | 12.0      | 12.3      | 12.1       | 6.2        | 7.2       | 6.4        |

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8 Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| State and area                         | Total     |           |                        | Mining    |           |                        | Construction |           |                        | Manufacturing |           |                        |
|--|-----------|-----------|------------------------|-----------|-----------|------------------------|--------------|-----------|------------------------|---------------|-----------|------------------------|
|  | JULY 1979 | JUNE 1980 | JULY 1980 <sup>2</sup> | JULY 1979 | JUNE 1980 | JULY 1980 <sup>2</sup> | JULY 1979    | JUNE 1980 | JULY 1980 <sup>2</sup> | JULY 1979     | JUNE 1980 | JULY 1980 <sup>2</sup> |
| 1 TENNESSEE                            | 1,787.9   | 1,765.7   | 1,740.7                | 10.7      | 10.1      | 9.9                    | 96.5         | 87.6      | 88.0                   | 527.3         | 505.1     | 490.4                  |
| 2 Chattanooga                          | 174.2     | 175.0     | 168.3                  | 1.3       | 1.3       | 1.4                    | 7.4          | 6.6       | 6.6                    | 54.2          | 53.1      | 50.4                   |
| 3 Knoxville                            | 196.0     | 193.7     | (*)                    | 1.6       | 1.6       | (*)                    | 11.9         | 10.9      | (*)                    | 53.0          | 51.4      | (*)                    |
| 4 Memphis                              | 360.6     | 356.6     | 354.4                  | .2        | .2        | .2                     | 16.0         | 16.3      | 16.3                   | 63.1          | 59.4      | 59.1                   |
| 5 Nashville—Davidson                   | 365.1     | 357.1     | (*)                    | (1)       | (1)       | (*)                    | 22.5         | 21.0      | (*)                    | 82.2          | 78.0      | (*)                    |
| 6 TEXAS                                | 5,628.0   | 5,775.6   | 5,777.0                | 201.4     | 223.4     | 227.1                  | 436.8        | 441.4     | 437.9                  | 1,033.0       | 1,048.7   | 1,045.3                |
| 7 Amarillo                             | 74.7      | 75.1      | 74.2                   | (1)       | (1)       | (1)                    | 5.2          | 5.2       | 5.1                    | 9.3           | 9.4       | 8.6                    |
| 8 Austin                               | 230.7     | 234.9     | 235.8                  | (1)       | (1)       | (1)                    | 13.3         | 13.4      | 13.5                   | 29.2          | 30.4      | 30.4                   |
| 9 Beaumont—Port Arthur—Orange          | 145.3     | 142.6     | 143.5                  | (1)       | (1)       | (1)                    | 12.2         | 10.0      | 10.3                   | 41.6          | 42.6      | 43.1                   |
| 10 Corpus Christi                      | 123.3     | 122.0     | 123.0                  | 6.6       | 7.3       | 7.3                    | 16.9         | 13.4      | 13.8                   | 15.3          | 16.1      | 16.1                   |
| 11 Dallas—Fort Worth                   | 1,392.5   | 1,444.2   | 1,443.6                | 21.6      | 24.2      | 24.6                   | 84.6         | 82.7      | 83.5                   | 311.9         | 313.3     | 313.4                  |
| 12 El Paso                             | 156.0     | 159.3     | 159.3                  | (1)       | (1)       | (1)                    | 8.8          | 9.2       | 9.3                    | 32.0          | 33.3      | 32.7                   |
| 13 Galveston—Texas City                | 68.0      | 71.3      | 71.5                   | (1)       | (1)       | (1)                    | 5.1          | 5.6       | 5.7                    | 12.0          | 12.2      | 12.6                   |
| 14 Houston                             | 1,371.7   | 1,404.0   | 1,402.7                | 67.7      | 73.9      | 73.8                   | 144.8        | 140.7     | 139.5                  | 228.9         | 238.1     | 239.0                  |
| 15 Lubbock                             | 86.0      | 87.0      | 87.1                   | (1)       | (1)       | (1)                    | 5.0          | 4.2       | 4.1                    | 13.1          | 13.2      | 13.2                   |
| 16 San Antonio                         | 377.3     | 367.2     | 364.2                  | 2.0       | 2.2       | 2.2                    | 26.2         | 26.7      | 27.0                   | 47.4          | 48.4      | 48.3                   |
| 17 Waco                                | 69.3      | 69.4      | 69.4                   | (1)       | (1)       | (1)                    | 3.6          | 3.6       | 3.5                    | 16.9          | 16.2      | 16.3                   |
| 18 Wichita Falls                       | 50.1      | 51.2      | 50.8                   | 2.9       | 2.9       | 2.9                    | 2.8          | 2.7       | 2.6                    | 9.3           | 9.1       | 9.2                    |
| 19 UTAH <sup>14</sup>                  | 550.5     | 559.8     | 554.5                  | 17.9      | 18.1      | 13.7                   | 39.4         | 37.1      | 37.4                   | 87.0          | 90.7      | 89.0                   |
| 20 Salt Lake City—Ogden <sup>14</sup>  | 390.2     | 397.1     | 392.1                  | 7.6       | 7.3       | 2.9                    | 26.6         | 24.4      | 24.3                   | 58.4          | 61.7      | 60.1                   |
| 21 VERMONT                             | 197.8     | 198.6     | 196.4                  | .8        | .7        | .5                     | 11.7         | 11.2      | 11.4                   | 51.0          | 50.9      | 48.8                   |
| 22 Burlington <sup>15</sup>            | 54.0      | 56.1      | 55.5                   | -         | -         | -                      | -            | -         | -                      | 14.4          | 14.9      | 15.0                   |
| 23 Springfield <sup>15</sup>           | 14.7      | 14.8      | 14.7                   | -         | -         | -                      | -            | -         | -                      | 6.2           | 6.3       | 6.2                    |
| 24 VIRGINIA                            | 2,116.3   | 2,132.7   | 2,113.0                | 24.6      | 24.2      | 24.1                   | 147.6        | 127.5     | 129.5                  | 413.7         | 405.8     | 398.8                  |
| 25 Bristol                             | 28.6      | 28.6      | 27.6                   | (1)       | (1)       | (1)                    | 1.5          | 1.4       | 1.4                    | 9.6           | 9.3       | 8.9                    |
| 26 Lynchburg                           | 72.7      | 72.1      | 69.6                   | (1)       | (1)       | (1)                    | 4.0          | 3.7       | 3.9                    | 29.9          | 29.1      | 27.4                   |
| 27 Newport News—Hampton                | 149.8     | 155.1     | 155.8                  | (1)       | (1)       | (1)                    | 7.6          | 7.6       | 7.7                    | 33.7          | 34.2      | 34.5                   |
| 28 Norfolk—Virginia Beach—Portsmouth   | 286.9     | 285.1     | 284.8                  | (1)       | (1)       | (1)                    | 19.1         | 16.3      | 16.3                   | 30.3          | 27.6      | 29.8                   |
| 29 Northern Virginia                   | 430.2     | 433.4     | 431.9                  | .4        | .4        | .4                     | 33.2         | 27.5      | 27.9                   | 16.8          | 17.1      | 17.1                   |
| 30 Petersburg—Colonial Hghts.—Hopewell | 47.2      | 49.4      | 48.8                   | (1)       | (1)       | (1)                    | 2.5          | 3.8       | 3.9                    | 12.1          | 11.8      | 11.7                   |
| 31 Richmond                            | 324.4     | 326.9     | 322.6                  | .4        | .4        | .4                     | 20.4         | 17.0      | 17.2                   | 55.3          | 54.8      | 54.9                   |
| 32 Roanoke                             | 105.3     | 105.8     | 105.1                  | .1        | .1        | .1                     | 6.6          | 6.6       | 6.8                    | 21.0          | 20.9      | 21.1                   |
| 33 WASHINGTON                          | 1,582.5   | 1,632.1   | 1,619.7                | 3.0       | 2.6       | 2.6                    | 108.5        | 85.7      | 86.8                   | 312.3         | 300.4     | 300.5                  |
| 34 Seattle—Everett                     | 757.6     | 792.6     | 781.5                  | (1)       | (1)       | (1)                    | 48.0         | 45.7      | 46.1                   | 171.0         | 174.3     | 175.9                  |
| 35 Spokane                             | 126.7     | 130.5     | 128.2                  | (1)       | (1)       | (1)                    | 8.8          | 8.2       | 8.2                    | 18.3          | 17.7      | 17.5                   |
| 36 Tacoma                              | 142.3     | 139.8     | 138.0                  | (1)       | (1)       | (1)                    | 9.2          | 7.2       | 7.3                    | 22.5          | 21.6      | 21.0                   |
| 37 WEST VIRGINIA                       | 650.9     | 634.3     | 636.2                  | 66.2      | 60.1      | 59.8                   | 44.5         | 40.2      | 40.7                   | 125.8         | 117.2     | 114.9                  |
| 38 Charleston                          | 117.4     | 116.8     | 117.6                  | 7.2       | 6.7       | 6.5                    | 7.4          | 8.1       | 8.3                    | 19.4          | 17.4      | 17.3                   |
| 39 Huntington—Ashland                  | 110.8     | 107.6     | 106.9                  | 1.1       | 1.3       | 1.2                    | 9.2          | 8.1       | 8.1                    | 29.1          | 27.5      | 26.0                   |
| 40 Parkersburg—Martetta                | 59.4      | 57.2      | 57.2                   | .5        | .5        | .5                     | 4.4          | 3.9       | 4.0                    | 17.7          | 16.4      | 16.3                   |
| 41 Wheeling                            | 67.5      | 65.8      | 65.8                   | 7.5       | 6.1       | 6.0                    | 3.5          | 3.8       | 4.0                    | 13.7          | 12.4      | 12.6                   |
| 42 WISCONSIN                           | 1,979.5   | 1,991.6   | 1,974.4                | 3.2       | 2.6       | 2.6                    | 91.4         | 75.2      | 75.0                   | 601.4         | 557.1     | 555.9                  |
| 43 Appleton—Oshkosh                    | 131.5     | 131.4     | 129.4                  | (1)       | (1)       | (1)                    | 7.3          | 6.3       | 6.3                    | 51.8          | 47.6      | 47.1                   |
| 44 Eau Claire                          | 47.8      | 48.7      | 48.2                   | (1)       | (1)       | (1)                    | 2.3          | 1.7       | 1.7                    | 9.3           | 9.0       | 9.0                    |
| 45 Green Bay                           | 78.6      | 80.1      | 79.8                   | (1)       | (1)       | (1)                    | 4.1          | 3.6       | 3.7                    | 22.8          | 21.4      | 22.0                   |
| 46 Janesville—Beloit                   | 53.1      | 50.7      | 48.1                   | (1)       | (1)       | (1)                    | 2.1          | 1.9       | 1.7                    | 21.4          | 17.5      | 15.6                   |
| 47 Kenosha                             | 46.2      | 46.9      | 45.8                   | (1)       | (1)       | (1)                    | 3.6          | 2.0       | 2.0                    | 18.1          | 18.5      | 18.2                   |
| 48 La Crosse                           | 42.7      | 44.0      | 44.0                   | (1)       | (1)       | (1)                    | 2.1          | 1.9       | 1.9                    | 11.1          | 10.9      | 10.9                   |
| 49 Madison                             | 166.4     | 175.1     | 174.7                  | (1)       | (1)       | (1)                    | 9.0          | 8.4       | 8.4                    | 20.1          | 20.1      | 20.4                   |
| 50 Milwaukee                           | 681.6     | 684.1     | 669.3                  | (1)       | (1)       | (1)                    | 25.6         | 20.2      | 19.3                   | 219.8         | 206.5     | 201.7                  |
| 51 Racine                              | 71.7      | 70.4      | 69.7                   | (1)       | (1)       | (1)                    | 2.6          | 2.2       | 2.2                    | 31.8          | 29.3      | 29.3                   |
| 52 WYOMING                             | 207.0     | 219.7     | 219.8                  | 33.5      | 37.4      | 38.4                   | 24.7         | 26.7      | 27.5                   | 10.5          | 11.4      | 11.6                   |
| 53 Casper                              | 40.0      | 44.0      | 44.6                   | 7.9       | 9.9       | 10.3                   | 4.5          | 6.3       | 6.6                    | 2.9           | 2.2       | 2.2                    |
| 54 Cheyenne                            | 28.8      | 28.7      | 27.9                   | (1)       | (1)       | (1)                    | 2.5          | 2.5       | 2.6                    | 1.7           | 1.8       | 1.9                    |
| 55 VIRGIN ISLANDS                      | 35.9      | 36.7      | 36.2                   | (2)       | (2)       | (2)                    | 2.4          | 3.2       | 2.6                    | 3.4           | 3.3       | 3.3                    |

<sup>1</sup> Combined with services.

<sup>2</sup> Combined with construction.

<sup>3</sup> Some series revised; not strictly comparable with previously published data.

<sup>4</sup> Area included in Chicago-Gary Standard Consolidated Statistical Area.

<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>6</sup> Subarea of New York-Northeastern New Jersey.

<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>8</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

| Transportation and public utilities |           |            | Wholesale and retail trade |           |            | Finance, insurance, and real estate |           |            | Services  |           |            | Government |           |            |    |
|-------------------------------------|-----------|------------|----------------------------|-----------|------------|-------------------------------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|----|
| JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979                  | JUNE 1980 | JULY 1980P | JULY 1979                           | JUNE 1980 | JULY 1980P | JULY 1979 | JUNE 1980 | JULY 1980P | JULY 1979  | JUNE 1980 | JULY 1980P |    |
| 89.0                                | 86.3      | 85.0       | 391.8                      | 381.8     | 380.8      | 78.7                                | 77.7      | 78.0       | 291.8     | 304.3     | 304.4      | 302.1      | 312.8     | 304.2      | 1  |
| 7.3                                 | 7.3       | 7.2        | 33.6                       | 32.2      | 32.1       | 10.0                                | 9.9       | 9.8        | 28.5      | 29.0      | 29.0       | 31.9       | 35.6      | 31.8       | 2  |
| 8.0                                 | 7.9       | (*)        | 41.1                       | 40.3      | (*)        | 8.1                                 | 8.0       | (*)        | 30.4      | 30.0      | (*)        | 41.9       | 43.6      | (*)        | 3  |
| 27.8                                | 27.4      | 27.3       | 96.8                       | 95.1      | 95.2       | 19.8                                | 19.8      | 19.7       | 72.4      | 73.2      | 73.3       | 64.5       | 65.2      | 63.3       | 4  |
| 22.2                                | 21.3      | (*)        | 84.2                       | 78.4      | (*)        | 24.3                                | 24.5      | (*)        | 70.5      | 73.0      | (*)        | 59.2       | 60.9      | (*)        | 5  |
| 336.0                               | 363.2     | 364.6      | 1,377.7                    | 1,388.0   | 1,389.5    | 318.8                               | 331.4     | 335.1      | 971.9     | 1,002.0   | 1,003.5    | 932.4      | 977.5     | 974.0      | 6  |
| 7.1                                 | 7.2       | 7.2        | 22.5                       | 22.0      | 21.9       | 3.8                                 | 3.7       | 3.7        | 15.0      | 14.9      | 14.9       | 11.8       | 12.7      | 12.8       | 7  |
| 7.2                                 | 7.1       | 7.2        | 49.1                       | 48.1      | 47.8       | 13.4                                | 13.7      | 13.7       | 40.0      | 41.5      | 41.3       | 78.5       | 80.7      | 81.9       | 8  |
| 11.3                                | 11.5      | 11.8       | 31.8                       | 29.9      | 29.6       | 5.3                                 | 5.2       | 5.2        | 25.0      | 24.3      | 24.7       | 18.1       | 19.1      | 18.8       | 9  |
| 6.7                                 | 6.8       | 7.0        | 28.3                       | 27.7      | 28.2       | 5.3                                 | 5.3       | 5.3        | 19.4      | 20.6      | 20.6       | 24.8       | 24.8      | 24.7       | 10 |
| 91.3                                | 95.2      | 95.9       | 368.9                      | 388.8     | 390.2      | 102.8                               | 108.6     | 109.8      | 244.4     | 258.3     | 259.7      | 167.0      | 173.1     | 166.5      | 11 |
| 11.0                                | 10.9      | 10.9       | 39.3                       | 39.3      | 39.4       | 7.4                                 | 7.4       | 7.4        | 24.9      | 26.3      | 26.1       | 32.6       | 32.9      | 33.5       | 12 |
| 6.9                                 | 7.3       | 6.8        | 12.6                       | 13.4      | 13.5       | 4.5                                 | 4.5       | 4.5        | 11.1      | 11.9      | 11.9       | 15.8       | 16.4      | 16.5       | 13 |
| 100.1                               | 101.5     | 102.0      | 335.5                      | 330.2     | 338.5      | 83.1                                | 86.6      | 86.6       | 261.1     | 273.6     | 272.9      | 150.5      | 159.4     | 158.4      | 14 |
| 4.9                                 | 5.0       | 4.9        | 25.0                       | 25.3      | 25.2       | 4.7                                 | 4.9       | 5.0        | 16.4      | 16.7      | 16.9       | 16.9       | 17.7      | 17.8       | 15 |
| 17.8                                | 18.2      | 18.4       | 95.6                       | 95.6      | 96.3       | 25.0                                | 25.5      | 25.8       | 72.3      | 75.3      | 75.5       | 91.0       | 95.3      | 90.7       | 16 |
| 3.2                                 | 3.2       | 3.2        | 16.0                       | 17.0      | 16.8       | 4.2                                 | 4.3       | 4.4        | 13.7      | 13.7      | 13.7       | 11.7       | 11.4      | 11.5       | 17 |
| 2.4                                 | 2.5       | 2.5        | 12.2                       | 12.7      | 12.7       | 2.3                                 | 2.3       | 2.3        | 7.7       | 7.8       | 7.8        | 10.5       | 11.2      | 10.8       | 18 |
| 34.5                                | 34.6      | 35.1       | 128.0                      | 128.2     | 128.2      | 26.3                                | 26.4      | 26.7       | 97.0      | 100.5     | 101.4      | 120.5      | 124.2     | 123.0      | 19 |
| 27.1                                | 27.4      | 27.9       | 94.9                       | 95.3      | 95.4       | 21.3                                | 21.2      | 21.5       | 68.2      | 71.1      | 71.6       | 86.1       | 88.7      | 88.6       | 20 |
| 9.0                                 | 9.1       | 9.0        | 41.2                       | 41.1      | 41.4       | 7.9                                 | 8.1       | 8.1        | 43.8      | 41.1      | 43.9       | 32.4       | 36.4      | 33.3       | 21 |
| 2.5                                 | 2.4       | 2.4        | 11.9                       | 12.1      | 12.2       | -                                   | -         | -          | 11.1      | 11.1      | 11.5       | -          | -         | -          | 22 |
| .7                                  | .6        | .6         | 2.3                        | 2.2       | 2.2        | -                                   | -         | -          | 2.7       | 2.7       | 2.8        | -          | -         | -          | 23 |
| 115.9                               | 115.6     | 115.6      | 440.0                      | 446.3     | 447.1      | 105.7                               | 106.2     | 106.7      | 380.1     | 391.7     | 394.8      | 488.7      | 515.4     | 496.4      | 24 |
| 1.1                                 | 1.2       | 1.1        | 6.9                        | 6.6       | 6.5        | .9                                  | 1.0       | 1.0        | 3.5       | 3.7       | 3.8        | 5.1        | 5.4       | 4.9        | 25 |
| 2.8                                 | 2.8       | 2.8        | 12.2                       | 11.8      | 11.7       | 3.5                                 | 3.7       | 3.7        | 10.5      | 10.7      | 10.7       | 9.8        | 10.3      | 9.4        | 26 |
| 5.2                                 | 5.2       | 5.4        | 28.5                       | 29.0      | 29.3       | 5.3                                 | 5.2       | 5.3        | 29.0      | 30.0      | 31.2       | 40.5       | 43.9      | 42.4       | 27 |
| 19.6                                | 19.3      | 19.6       | 78.3                       | 68.7      | 69.2       | 15.0                                | 14.8      | 14.7       | 54.7      | 55.7      | 55.8       | 77.9       | 82.7      | 79.4       | 28 |
| 29.4                                | 29.6      | 29.8       | 98.1                       | 97.7      | 97.8       | 27.7                                | 27.3      | 27.5       | 109.5     | 113.9     | 114.1      | 115.1      | 119.9     | 117.3      | 29 |
| 1.5                                 | 1.5       | 1.5        | 8.3                        | 8.2       | 8.1        | 1.3                                 | 1.4       | 1.4        | 5.7       | 6.4       | 6.2        | 15.8       | 16.3      | 16.0       | 30 |
| 19.7                                | 20.0      | 19.8       | 78.8                       | 72.4      | 72.6       | 27.1                                | 27.0      | 27.0       | 58.2      | 60.2      | 60.0       | 69.5       | 75.1      | 70.7       | 31 |
| 10.2                                | 9.9       | 9.6        | 26.2                       | 25.6      | 25.5       | 6.1                                 | 6.3       | 6.3        | 19.5      | 19.9      | 19.8       | 15.6       | 16.5      | 15.9       | 32 |
| 89.7                                | 89.9      | 89.7       | 384.1                      | 401.3     | 400.0      | 91.0                                | 95.7      | 96.4       | 293.9     | 313.9     | 313.8      | 300.0      | 342.6     | 329.8      | 33 |
| 51.3                                | 54.0      | 53.9       | 181.8                      | 187.1     | 185.7      | 53.6                                | 55.0      | 55.2       | 141.5     | 152.8     | 150.9      | 110.4      | 123.7     | 113.8      | 34 |
| 8.3                                 | 8.1       | 8.1        | 36.3                       | 36.4      | 36.1       | 8.1                                 | 8.0       | 8.0        | 27.7      | 28.2      | 28.0       | 19.2       | 23.9      | 22.3       | 35 |
| 6.8                                 | 6.7       | 6.5        | 33.7                       | 32.9      | 32.8       | 7.3                                 | 7.2       | 7.3        | 29.8      | 29.6      | 29.8       | 33.0       | 34.6      | 33.3       | 36 |
| 44.5                                | 43.7      | 43.1       | 132.8                      | 131.3     | 130.7      | 21.6                                | 21.7      | 21.7       | 95.4      | 97.1      | 96.9       | 120.1      | 123.2     | 128.4      | 37 |
| 10.0                                | 10.1      | 10.1       | 27.7                       | 27.4      | 27.4       | 5.0                                 | 5.1       | 5.1        | 20.4      | 20.6      | 20.6       | 20.3       | 21.4      | 22.4       | 38 |
| 10.3                                | 9.8       | 9.9        | 24.0                       | 23.8      | 23.8       | 3.9                                 | 3.9       | 3.9        | 15.7      | 15.9      | 16.1       | 17.4       | 17.3      | 18.0       | 39 |
| 2.8                                 | 2.7       | 2.7        | 12.8                       | 12.4      | 12.4       | 2.2                                 | 2.2       | 2.2        | 8.8       | 8.7       | 8.7        | 10.2       | 10.5      | 10.6       | 40 |
| 3.7                                 | 3.7       | 3.7        | 15.6                       | 15.6      | 15.6       | 2.6                                 | 2.6       | 2.7        | 12.9      | 13.3      | 13.1       | 7.9        | 8.2       | 8.1        | 41 |
| 90.9                                | 91.7      | 88.0       | 450.4                      | 474.3     | 475.7      | 92.6                                | 96.1      | 96.2       | 360.7     | 379.9     | 383.8      | 288.8      | 314.7     | 297.3      | 42 |
| 4.4                                 | 4.8       | 4.7        | 26.8                       | 28.4      | 28.0       | 5.1                                 | 5.4       | 5.4        | 20.7      | 21.5      | 21.5       | 15.3       | 17.5      | 16.3       | 43 |
| 2.7                                 | 2.7       | 2.6        | 13.0                       | 13.5      | 13.5       | 1.6                                 | 1.6       | 1.7        | 9.6       | 10.0      | 10.0       | 9.3        | 10.2      | 9.8        | 44 |
| 6.0                                 | 6.4       | 6.3        | 20.0                       | 20.6      | 20.3       | 2.4                                 | 2.5       | 2.6        | 13.7      | 14.4      | 14.7       | 9.7        | 11.2      | 10.2       | 45 |
| 2.1                                 | 2.0       | 2.0        | 11.7                       | 12.2      | 12.0       | 1.4                                 | 1.4       | 1.4        | 8.5       | 8.7       | 8.5        | 5.9        | 7.0       | 6.9        | 46 |
| 1.3                                 | 1.3       | 1.5        | 8.5                        | 8.7       | 8.5        | 1.0                                 | 1.1       | 1.1        | 7.5       | 8.2       | 8.1        | 6.2        | 7.1       | 6.4        | 47 |
| 2.5                                 | 2.5       | 2.5        | 11.2                       | 11.8      | 11.9       | 1.1                                 | 1.1       | 1.1        | 9.4       | 10.1      | 10.1       | 5.4        | 5.9       | 5.7        | 48 |
| 6.0                                 | 6.4       | 6.8        | 35.0                       | 35.7      | 36.8       | 12.3                                | 13.3      | 13.3       | 30.8      | 33.2      | 32.7       | 53.2       | 58.0      | 56.3       | 49 |
| 34.1                                | 33.9      | 32.9       | 149.2                      | 155.4     | 152.4      | 38.8                                | 39.6      | 39.5       | 138.9     | 147.3     | 147.0      | 75.2       | 81.2      | 76.4       | 50 |
| 2.2                                 | 2.0       | 2.0        | 13.4                       | 13.6      | 13.5       | 2.3                                 | 2.4       | 2.5        | 11.1      | 11.7      | 11.6       | 8.3        | 9.1       | 8.6        | 51 |
| 16.9                                | 17.0      | 17.4       | 46.5                       | 47.3      | 49.0       | 7.2                                 | 7.4       | 7.6        | 32.5      | 32.0      | 31.1       | 35.2       | 40.5      | 37.2       | 52 |
| 2.9                                 | 2.9       | 2.9        | 11.1                       | 11.0      | 11.4       | 1.5                                 | 1.6       | 1.7        | 5.1       | 5.4       | 5.1        | 5.0        | 4.7       | 4.4        | 53 |
| 4.3                                 | 4.3       | 3.9        | 7.2                        | 7.2       | 7.6        | 1.5                                 | 1.5       | 1.5        | 4.3       | 3.7       | 3.6        | 7.3        | 7.7       | 6.8        | 54 |
| 2.1                                 | 2.4       | 2.4        | 7.0                        | 7.3       | 7.2        | 1.4                                 | 1.4       | 1.4        | 5.6       | 5.7       | 5.6        | 14.0       | 13.4      | 13.7       | 55 |

<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

<sup>13</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>14</sup> Revised to September 1979 benchmark; not strictly comparable with previously published data.

<sup>15</sup> Total includes data for industry divisions not shown separately.

<sup>16</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.  
\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.



# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry**

| 1972<br>SIC<br>Code | Industry   | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|---------------------|--|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|                     |  | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>TOTAL PRIVATE</b> .....                                     | \$221.76                | \$222.48     | \$233.33     | \$234.39      | \$236.43      | \$6.16                  | \$6.18       | \$6.61       | \$6.64        | \$6.66        |
|                     | <b>MINING</b> .....  | 356.12                  | 366.35       | 395.71       | 379.39        | 378.81        | 8.54                    | 8.50         | 9.16         | 9.12          | 9.15          |
| 10                  | <b>METAL MINING</b> .....                                      | 378.80                  | 383.64       | 412.29       | 394.98        | -             | 9.33                    | 9.38         | 10.13        | 10.18         | -             |
| 101                 | Iron ores .....  | 405.34                  | 413.34       | 418.72       | 393.85        | -             | 9.56                    | 9.68         | 10.99        | 10.91         | -             |
| 102                 | Copper ores .....  | 416.78                  | 411.40       | 427.45       | 374.67        | -             | 9.67                    | 9.68         | 10.30        | 10.35         | -             |
| 11, 12              | <b>COAL MINING</b> .....                                       | 393.58                  | 414.80       | 440.88       | 388.02        | -             | (*)                     | 10.37        | 10.94        | (*)           | -             |
| 12                  | <b>BITUMINOUS COAL AND LIGNITE MINING</b> .....                | 394.69                  | 416.00       | 442.09       | 388.34        | -             | (*)                     | 10.40        | 10.97        | (*)           | -             |
| 13                  | <b>OIL AND GAS EXTRACTION</b> .....                            | 337.80                  | 344.06       | 385.50       | 384.38        | -             | 7.73                    | 7.68         | 8.51         | 8.58          | -             |
| 131, 2              | Crude petroleum, natural gas, and<br>natural gas liquids ..... | 360.91                  | 357.25       | 399.84       | 393.98        | -             | 8.76                    | 8.65         | 9.80         | 9.68          | -             |
| 138                 | Oil and gas field services .....                               | 328.55                  | 338.65       | 380.36       | 381.41        | -             | 7.35                    | 7.33         | 8.11         | 8.22          | -             |
| 14                  | <b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....                | 316.68                  | 321.54       | 324.95       | 327.99        | -             | 6.96                    | 6.99         | 7.47         | 7.54          | -             |
| 142                 | Crushed and broken stone .....                                 | 316.24                  | 323.61       | 317.90       | 319.57        | -             | 6.70                    | 6.77         | 7.16         | 7.23          | -             |
|                     | <b>CONSTRUCTION</b> .....                                      | 350.03                  | 355.85       | 371.80       | 373.98        | 372.37        | 9.26                    | 9.34         | 9.81         | 9.92          | 10.01         |
| 15                  | <b>GENERAL BUILDING CONTRACTORS</b> .....                      | 312.91                  | 317.82       | 336.72       | 336.35        | -             | 8.62                    | 8.66         | 9.15         | 9.19          | -             |
| 152                 | Residential building construction .....                        | 295.20                  | 301.18       | 318.28       | 313.13        | -             | 8.20                    | 8.32         | 8.72         | 8.65          | -             |
| 153                 | Operative builders .....                                       | 271.01                  | 277.11       | 292.87       | 291.56        | -             | 7.57                    | 7.37         | 7.98         | 8.01          | -             |
| 154                 | Nonresidential building construction .....                     | 337.09                  | 339.47       | 357.05       | 360.14        | -             | 9.16                    | 9.15         | 9.65         | 9.76          | -             |
| 16                  | <b>HEAVY CONSTRUCTION CONTRACTORS</b> .....                    | 358.85                  | 370.06       | 378.84       | 381.29        | -             | 8.71                    | 8.79         | 9.02         | 9.21          | -             |
| 161                 | Highway and street construction .....                          | 367.16                  | 376.99       | 380.63       | 382.27        | -             | 8.46                    | 8.51         | 8.71         | 8.89          | -             |
| 162                 | Heavy construction, except highway .....                       | 355.29                  | 365.65       | 379.04       | 381.64        | -             | 8.86                    | 8.94         | 9.20         | 9.40          | -             |
| 17                  | <b>SPECIAL TRADE CONTRACTORS</b> .....                         | 365.93                  | 370.63       | 386.77       | 389.39        | -             | 9.89                    | 9.99         | 10.51        | 10.61         | -             |
| 171                 | Plumbing, heating, air conditioning .....                      | 379.62                  | 382.28       | 400.37       | 405.97        | -             | 9.99                    | 10.06        | 10.62        | 10.74         | -             |
| 172                 | Painting, paper hanging, decorating .....                      | 319.69                  | 323.44       | 342.58       | 337.31        | -             | 8.98                    | 9.06         | 9.65         | 9.61          | -             |
| 173                 | Electrical work .....  | 425.04                  | 428.89       | 447.06       | 449.70        | -             | 11.04                   | 11.14        | 11.89        | 11.96         | -             |
| 174                 | Masonry, stonework, and plastering .....                       | 339.77                  | 346.92       | 368.89       | 369.59        | -             | 9.68                    | 9.80         | 10.45        | 10.47         | -             |
| 175                 | Carpentering and flooring .....                                | 313.29                  | 315.06       | 317.63       | 336.19        | -             | 8.85                    | 8.90         | 9.18         | 9.47          | -             |
| 176                 | Roofing and sheet metal work .....                             | 299.74                  | 304.67       | 320.63       | 320.05        | -             | 8.79                    | 8.78         | 9.24         | 9.25          | -             |
|                     | <b>MANUFACTURING</b> .....                                     | 268.13                  | 268.00       | 283.68       | 283.58        | 288.75        | 6.72                    | 6.70         | 7.20         | 7.29          | 7.31          |
| 24, 25,<br>32-39    | <b>DURABLE GOODS</b> .....                                     | 288.66                  | 288.05       | 306.06       | 303.42        | 311.22        | 7.15                    | 7.13         | 7.69         | 7.76          | 7.80          |
| 20-23,<br>26-31     | <b>NONDURABLE GOODS</b> .....                                  | 236.38                  | 237.98       | 251.42       | 254.76        | 257.52        | 6.03                    | 6.04         | 6.48         | 6.60          | 6.62          |
|                     | <b>DURABLE GOODS</b>   |                         |              |              |               |               |                         |              |              |               |               |
| 24                  | <b>LUMBER AND WOOD PRODUCTS</b> .....                          | 245.07                  | 248.18       | 251.90       | 254.51        | 265.44        | 6.22                    | 6.22         | 6.56         | 6.68          | 6.72          |
| 241                 | Logging camps and logging contractors .....                    | 329.54                  | 329.04       | 348.00       | 359.50        | -             | 8.28                    | 8.33         | 8.81         | 9.01          | -             |
| 242                 | Sawmills and planing mills .....                               | 264.71                  | 265.92       | 258.90       | 261.71        | -             | 6.52                    | 6.47         | 6.69         | 6.78          | -             |
| 2421                | Sawmills and planing mills, general .....                      | 279.33                  | 280.98       | 273.00       | 276.12        | -             | 6.88                    | 6.82         | 7.00         | 7.08          | -             |
| 2426                | Hardwood dimension and flooring .....                          | 175.80                  | 172.80       | 176.81       | 174.37        | -             | 4.33                    | 4.32         | 4.69         | 4.70          | -             |
| 243                 | Millwork, plywood, and structural members .....                | 233.14                  | 238.19       | 244.22       | 242.90        | -             | 6.04                    | 6.03         | 6.36         | 6.46          | -             |
| 2431                | Millwork .....   | 221.54                  | 225.23       | 239.53       | 236.70        | -             | 5.83                    | 5.79         | 6.32         | 6.38          | -             |
| 2434                | Wood kitchen cabinets .....                                    | 198.91                  | 204.12       | 214.18       | 206.62        | -             | 5.42                    | 5.40         | 5.82         | 5.87          | -             |
| 2435                | Hardwood veneer and plywood .....                              | 188.58                  | 193.04       | 188.60       | 186.87        | -             | 4.75                    | 4.79         | 4.95         | 5.01          | -             |
| 2436                | Softwood veneer and plywood .....                              | 306.83                  | 316.16       | 315.34       | 319.56        | -             | 7.69                    | 7.73         | 7.71         | 7.91          | -             |
| 244                 | Wooden containers .....  | 169.10                  | 172.21       | 180.20       | 177.76        | -             | 4.45                    | 4.52         | 4.91         | 4.87          | -             |
| 245                 | Wood buildings and mobile homes .....                          | 210.74                  | 219.25       | 218.13       | 219.60        | -             | 5.59                    | 5.68         | 6.11         | 6.10          | -             |
| 2451                | Mobile homes .....   | 206.62                  | 218.09       | 214.72       | 213.66        | -             | 5.53                    | 5.65         | 6.10         | 6.07          | -             |
| 249                 | Miscellaneous wood products .....                              | 200.80                  | 203.72       | 211.29       | 206.82        | -             | 5.02                    | 5.03         | 5.39         | 5.40          | -             |
| 26                  | <b>FURNITURE AND FIXTURES</b> .....                            | 192.02                  | 197.49       | 204.78       | 201.48        | 211.84        | 5.04                    | 5.09         | 5.49         | 5.52          | 5.56          |
| 261                 | Household furniture .....                                      | 179.74                  | 184.89       | 186.15       | 184.53        | -             | 4.73                    | 4.79         | 5.10         | 5.14          | -             |
| 2611                | Wood household furniture .....                                 | 170.23                  | 174.00       | 170.61       | 173.51        | -             | 4.41                    | 4.45         | 4.70         | 4.78          | -             |
| 2612                | Upholstered household furniture .....                          | 184.13                  | 192.02       | 196.56       | 188.57        | -             | 4.99                    | 5.08         | 5.46         | 5.45          | -             |
| 2614                | Metal household furniture .....                                | 190.51                  | 193.15       | 198.35       | 190.27        | -             | 4.91                    | 5.03         | 5.39         | 5.39          | -             |
| 2615                | Mattresses and bedsprings .....                                | 197.95                  | 212.16       | 213.57       | 209.59        | -             | 5.35                    | 5.44         | 5.68         | 5.68          | -             |
| 262                 | Office furniture .....   | 211.58                  | 219.09       | 232.25       | 218.42        | -             | 5.37                    | 5.45         | 5.94         | 5.84          | -             |
| 263                 | Public building and related furniture .....                    | 183.81                  | 197.69       | 228.52       | 222.34        | -             | 5.12                    | 5.23         | 5.80         | 5.76          | -             |
| 264                 | Partitions and fixtures .....                                  | 238.46                  | 243.43       | 256.61       | 252.30        | -             | 6.21                    | 6.21         | 6.70         | 6.71          | -             |
| 269                 | Miscellaneous furniture and fixtures .....                     | 211.50                  | 208.69       | 238.70       | 234.36        | -             | 5.61                    | 5.58         | 6.20         | 6.20          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls  
by industry—Continued**

| 1972<br>SIC<br>Code | Industry   | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|--|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |  | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>TOTAL PRIVATE</b> .....                                     | 36.0                 | 36.0         | 35.3         | 35.3          | 35.5          | -                      | -            | -            | -             | -             |
|                     | <b>MINING</b> .....  | 41.7                 | 43.1         | 43.2         | 41.6          | 41.4          | -                      | -            | -            | -             | -             |
| 10                  | <b>METAL MINING</b> .....                                      | 40.6                 | 40.9         | 40.7         | 38.8          | -             | -                      | -            | -            | -             | -             |
| 101                 | Iron ores .....  | 42.4                 | 42.7         | 38.1         | 36.1          | -             | -                      | -            | -            | -             | -             |
| 102                 | Copper ores .....  | 43.1                 | 42.5         | 41.5         | 36.2          | -             | -                      | -            | -            | -             | -             |
| 11, 12              | <b>COAL MINING</b> .....                                       | (*)                  | 40.0         | 40.3         | (*)           | -             | -                      | -            | -            | -             | -             |
| 12                  | <b>BITUMINOUS COAL AND LIGNITE MINING</b> .....                | (*)                  | 40.0         | 40.3         | (*)           | -             | -                      | -            | -            | -             | -             |
| 13                  | <b>OIL AND GAS EXTRACTION</b> .....                            | 43.7                 | 44.8         | 45.3         | 44.8          | -             | -                      | -            | -            | -             | -             |
| 131, 2              | Crude petroleum, natural gas, and natural<br>gas liquids ..... | 41.2                 | 41.3         | 40.8         | 40.7          | -             | -                      | -            | -            | -             | -             |
| 138                 | Oil and gas field services .....                               | 44.7                 | 46.2         | 46.9         | 46.4          | -             | -                      | -            | -            | -             | -             |
| 14                  | <b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....                | 45.5                 | 46.0         | 43.5         | 43.5          | -             | -                      | -            | -            | -             | -             |
| 142                 | Crushed and broken stone .....                                 | 47.2                 | 47.8         | 44.4         | 44.2          | -             | -                      | -            | -            | -             | -             |
|                     | <b>CONSTRUCTION</b> .....                                      | 37.8                 | 38.1         | 37.9         | 37.7          | 37.2          | -                      | -            | -            | -             | -             |
| 15                  | <b>GENERAL BUILDING CONTRACTORS</b> .....                      | 36.3                 | 36.7         | 36.8         | 36.6          | -             | -                      | -            | -            | -             | -             |
| 152                 | Residential building construction .....                        | 36.0                 | 36.2         | 36.5         | 36.2          | -             | -                      | -            | -            | -             | -             |
| 153                 | Operative builders .....                                       | 35.8                 | 37.6         | 36.7         | 36.4          | -             | -                      | -            | -            | -             | -             |
| 154                 | Nonresidential building construction .....                     | 36.8                 | 37.1         | 37.0         | 36.9          | -             | -                      | -            | -            | -             | -             |
| 16                  | <b>HEAVY CONSTRUCTION CONTRACTORS</b> .....                    | 41.2                 | 42.1         | 42.0         | 41.4          | -             | -                      | -            | -            | -             | -             |
| 161                 | Highway and street construction .....                          | 43.4                 | 44.3         | 43.7         | 43.0          | -             | -                      | -            | -            | -             | -             |
| 162                 | Heavy construction, except highway .....                       | 40.1                 | 40.9         | 41.2         | 40.6          | -             | -                      | -            | -            | -             | -             |
| 17                  | <b>SPECIAL TRADE CONTRACTORS</b> .....                         | 37.0                 | 37.1         | 36.8         | 36.7          | -             | -                      | -            | -            | -             | -             |
| 171                 | Plumbing, heating, air conditioning .....                      | 38.0                 | 38.0         | 37.7         | 37.8          | -             | -                      | -            | -            | -             | -             |
| 172                 | Painting, paper hanging, decorating .....                      | 35.6                 | 35.7         | 35.5         | 35.1          | -             | -                      | -            | -            | -             | -             |
| 173                 | Electrical work .....  | 38.5                 | 38.5         | 37.6         | 37.6          | -             | -                      | -            | -            | -             | -             |
| 174                 | Masonry, stonework, and plastering .....                       | 35.1                 | 35.4         | 35.3         | 35.3          | -             | -                      | -            | -            | -             | -             |
| 175                 | Carpentering and flooring .....                                | 35.4                 | 35.4         | 34.6         | 35.5          | -             | -                      | -            | -            | -             | -             |
| 176                 | Roofing and sheet metal work .....                             | 34.1                 | 34.7         | 34.7         | 34.6          | -             | -                      | -            | -            | -             | -             |
|                     | <b>MANUFACTURING</b> .....                                     | 39.9                 | 40.0         | 39.4         | 38.9          | 39.5          | 3.2                    | 3.3          | 2.5          | 2.4           | 2.8           |
| 24, 25,<br>32-39    | <b>DURABLE GOODS</b> .....                                     | 40.4                 | 40.4         | 39.8         | 39.1          | 39.9          | 3.4                    | 3.4          | 2.4          | 2.3           | 2.8           |
| 20-23,<br>26-31     | <b>NONDURABLE GOODS</b> .....                                  | 39.2                 | 39.4         | 38.8         | 38.6          | 38.9          | 3.0                    | 3.2          | 2.5          | 2.6           | 2.8           |
|                     | <b>DURABLE GOODS</b>   |                      |              |              |               |               |                        |              |              |               |               |
| 24                  | <b>LUMBER AND WOOD PRODUCTS</b> .....                          | 39.4                 | 39.9         | 38.4         | 38.1          | 39.5          | 3.4                    | 3.7          | 2.5          | 2.6           | -             |
| 241                 | Logging camps and logging contractors .....                    | 39.8                 | 39.5         | 39.5         | 39.9          | -             | 4.0                    | 4.6          | 3.8          | 3.9           | -             |
| 242                 | Sawmills and planing mills .....                               | 40.6                 | 41.1         | 38.7         | 38.6          | -             | 4.3                    | 4.6          | 3.1          | 3.2           | -             |
| 2421                | Sawmills and planing mills, general .....                      | 40.6                 | 41.2         | 39.0         | 39.0          | -             | 4.6                    | 4.9          | 3.4          | 3.5           | -             |
| 2426                | Hardwood dimension and flooring .....                          | 40.6                 | 40.0         | 37.7         | 37.1          | -             | 3.2                    | 3.3          | 1.9          | 1.9           | -             |
| 243                 | Millwork, plywood, and structural members .....                | 38.6                 | 39.5         | 38.4         | 37.6          | -             | 2.9                    | 3.1          | 2.0          | 2.0           | -             |
| 2431                | Millwork .....   | 38.0                 | 38.9         | 37.9         | 37.1          | -             | 1.8                    | 2.0          | 1.5          | 1.3           | -             |
| 2434                | Wood kitchen cabinets .....                                    | 36.7                 | 37.8         | 36.8         | 35.2          | -             | 2.3                    | 2.2          | 1.3          | 1.0           | -             |
| 2435                | Hardwood veneer and plywood .....                              | 39.7                 | 40.3         | 38.1         | 37.3          | -             | 3.6                    | 3.7          | 2.2          | 2.1           | -             |
| 2438                | Softwood veneer and plywood .....                              | 39.9                 | 40.9         | 40.9         | 40.4          | -             | 4.3                    | 4.8          | 3.0          | 3.5           | -             |
| 244                 | Wooden containers .....  | 38.0                 | 38.1         | 36.7         | 36.5          | -             | 2.6                    | 2.7          | 1.7          | 1.4           | -             |
| 245                 | Wood buildings and mobile homes .....                          | 37.7                 | 38.6         | 35.7         | 36.0          | -             | 2.1                    | 2.4          | 1.1          | 1.1           | -             |
| 2451                | Mobile homes .....   | 37.4                 | 38.6         | 35.2         | 35.2          | -             | 1.6                    | 2.0          | .8           | 1.0           | -             |
| 249                 | Miscellaneous wood products .....                              | 40.0                 | 40.5         | 39.2         | 38.3          | -             | 3.2                    | 3.4          | 2.3          | 2.3           | -             |
| 26                  | <b>FURNITURE AND FIXTURES</b> .....                            | 38.1                 | 38.8         | 37.3         | 36.5          | 38.1          | 1.9                    | 2.1          | 1.4          | 1.1           | -             |
| 261                 | Household furniture .....                                      | 38.0                 | 38.6         | 36.5         | 35.9          | -             | 1.7                    | 2.0          | 1.1          | .8            | -             |
| 2611                | Wood household furniture .....                                 | 38.6                 | 39.1         | 36.3         | 36.3          | -             | 2.0                    | 2.2          | 1.1          | .8            | -             |
| 2612                | Upholstered household furniture .....                          | 36.9                 | 37.8         | 36.0         | 34.6          | -             | 1.0                    | 1.2          | .7           | .5            | -             |
| 2614                | Metal household furniture .....                                | 38.8                 | 38.4         | 36.8         | 35.3          | -             | 2.0                    | 1.6          | 1.3          | .7            | -             |
| 2615                | Mattresses and bedsprings .....                                | 37.0                 | 39.0         | 37.6         | 36.9          | -             | 2.1                    | 3.3          | 2.0          | 1.5           | -             |
| 262                 | Office furniture .....   | 39.4                 | 40.2         | 39.1         | 37.4          | -             | 1.9                    | 2.2          | 1.8          | 1.1           | -             |
| 263                 | Public building and related furniture .....                    | 35.9                 | 37.8         | 39.4         | 38.6          | -             | 2.1                    | 2.4          | 2.4          | 2.2           | -             |
| 264                 | Partitions and fixtures .....                                  | 38.4                 | 39.2         | 38.3         | 37.6          | -             | 2.7                    | 3.0          | 2.1          | 2.1           | -             |
| 269                 | Miscellaneous furniture and fixtures .....                     | 37.7                 | 37.4         | 38.5         | 37.8          | -             | 1.8                    | 2.4          | .8           | .7            | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

| 1972<br>SIC<br>Code | Industry                                      | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| 32                  | <b>STONE, CLAY, AND GLASS PRODUCTS</b>        | \$286.35                | \$288.42     | \$308.73     | \$305.88      | \$308.21      | \$6.90                  | \$6.90       | \$7.53       | \$7.59        | \$7.61        |
| 321                 | Flat glass                                    | 353.56                  | 365.40       | 385.84       | 374.85        | -             | 8.54                    | 8.70         | 9.48         | 9.21          | -             |
| 322                 | Glass and glassware, pressed or blown         | 290.24                  | 286.80       | 328.85       | 322.36        | -             | 7.22                    | 7.17         | 8.06         | 8.12          | -             |
| 3221                | Glass containers                              | 303.91                  | 301.85       | 356.42       | 350.73        | -             | 7.56                    | 7.49         | 8.63         | 8.66          | -             |
| 3229                | Pressed and blown glass, nec                  | 270.68                  | 266.11       | 292.33       | 284.87        | -             | 6.75                    | 6.72         | 7.29         | 7.38          | -             |
| 323                 | Products of purchased glass                   | 241.57                  | 234.93       | 242.94       | 244.99        | -             | 6.21                    | 6.15         | 6.41         | 6.38          | -             |
| 324                 | Cement, hydraulic                             | 412.13                  | 409.28       | 454.97       | 453.26        | -             | 9.72                    | 9.63         | 10.68        | 10.69         | -             |
| 325                 | Structural clay products                      | 230.16                  | 227.14       | 243.94       | 235.01        | -             | 5.60                    | 5.54         | 6.16         | 6.12          | -             |
| 326                 | Pottery and related products                  | 216.79                  | 216.19       | 235.78       | 229.03        | -             | 5.69                    | 5.63         | 6.14         | 6.19          | -             |
| 327                 | Concrete, gypsum, and plaster products        | 302.22                  | 309.72       | 318.22       | 318.70        | -             | 6.90                    | 6.96         | 7.47         | 7.57          | -             |
| 3271                | Concrete block and brick                      | 287.84                  | 292.64       | 284.38       | 288.38        | -             | 6.34                    | 6.46         | 6.66         | 6.66          | -             |
| 3272                | Concrete products, nec                        | 256.39                  | 265.31       | 277.38       | 280.38        | -             | 6.09                    | 6.17         | 6.62         | 6.74          | -             |
| 3273                | Ready-mixed concrete                          | 334.72                  | 343.80       | 353.13       | 350.28        | -             | 7.59                    | 7.64         | 8.27         | 8.36          | -             |
| 329                 | Misc. nonmetallic mineral products            | 284.42                  | 287.73       | 300.77       | 298.69        | -             | 6.87                    | 6.90         | 7.39         | 7.43          | -             |
| 3281                | Abrasive products                             | 268.13                  | 264.80       | 287.62       | 287.39        | -             | 6.67                    | 6.62         | 7.30         | 7.35          | -             |
| 3292                | Asbestos products                             | 291.75                  | 293.99       | 302.81       | 313.05        | -             | 7.03                    | 7.05         | 7.44         | 7.58          | -             |
| 33                  | <b>PRIMARY METAL INDUSTRIES</b>               | 373.35                  | 371.28       | 377.32       | 378.67        | 390.46        | 9.04                    | 9.10         | 9.65         | 9.81          | 9.86          |
| 331                 | Blast furnace and basic steel products        | 437.65                  | 431.33       | 428.24       | 431.68        | -             | 10.47                   | 10.65        | 11.24        | 11.42         | -             |
| 3312                | Blast furnaces and steel mills                | 452.28                  | 444.51       | 441.13       | 445.94        | -             | 10.82                   | 11.03        | 11.67        | 11.86         | -             |
| 3317                | Steel pipe and tubes                          | 337.42                  | 345.68       | 346.10       | 340.43        | -             | 8.27                    | 8.37         | 8.92         | 9.03          | -             |
| 332                 | Iron and steel foundries                      | 312.76                  | 306.68       | 313.95       | 309.96        | -             | 7.78                    | 7.61         | 8.05         | 8.03          | -             |
| 3321                | Gray iron foundries                           | 318.40                  | 305.32       | 309.96       | 308.77        | -             | 7.96                    | 7.71         | 8.03         | 8.02          | -             |
| 3322                | Malleable iron foundries                      | 322.76                  | 304.24       | 331.74       | 329.93        | -             | 8.34                    | 8.07         | 8.87         | 8.99          | -             |
| 3325                | Steel foundries, nec                          | 302.66                  | 318.42       | 319.98       | 311.20        | -             | 7.40                    | 7.51         | 8.06         | 8.00          | -             |
| 333                 | Primary nonferrous metals                     | 393.33                  | 405.46       | 446.84       | 441.72        | -             | 9.57                    | 9.70         | 10.69        | 10.80         | -             |
| 3334                | Primary aluminum                              | 409.86                  | 427.38       | 481.64       | 484.26        | -             | 10.12                   | 10.20        | 11.55        | 11.53         | -             |
| 335                 | Nonferrous rolling and drawing                | 333.26                  | 335.81       | 355.66       | 357.38        | -             | 7.86                    | 7.92         | 8.76         | 8.89          | -             |
| 3351                | Copper rolling and drawing                    | 303.84                  | 314.03       | 291.78       | 298.98        | -             | 7.20                    | 7.32         | 7.52         | 7.55          | -             |
| 3353                | Aluminum sheet, plate, and foil               | 404.92                  | 406.01       | 445.10       | 455.47        | -             | 9.55                    | 9.69         | 10.99        | 11.33         | -             |
| 3357                | Nonferrous wire drawing and insulating        | 303.88                  | 303.36       | 326.36       | 328.86        | -             | 7.34                    | 7.24         | 7.96         | 8.12          | -             |
| 336                 | Nonferrous foundries                          | 265.59                  | 265.86       | 281.52       | 277.02        | -             | 6.69                    | 6.63         | 7.20         | 7.29          | -             |
| 3361                | Aluminum foundries                            | 279.39                  | 274.44       | 287.62       | 281.92        | -             | 6.95                    | 6.81         | 7.30         | 7.38          | -             |
| 34                  | <b>FABRICATED METAL PRODUCTS</b>              | 275.25                  | 277.43       | 297.54       | 291.26        | 300.00        | 6.83                    | 6.85         | 7.42         | 7.43          | 7.50          |
| 341                 | Metal cans and shipping containers            | 411.31                  | 404.97       | 433.40       | 434.28        | -             | 9.02                    | 9.08         | 9.85         | 9.87          | -             |
| 3411                | Metal cans                                    | 427.31                  | 420.71       | 453.77       | 457.15        | -             | 9.33                    | 9.37         | 10.22        | 10.25         | -             |
| 342                 | Cutlery, hand tools, and hardware             | 255.58                  | 255.84       | 269.81       | 263.78        | -             | 6.52                    | 6.51         | 6.99         | 6.96          | -             |
| 3423, 5             | Hand and edge tools, and hand saws and blades | 253.83                  | 253.92       | 262.87       | 261.51        | -             | 6.33                    | 6.38         | 6.81         | 6.90          | -             |
| 3429                | Hardware, nec                                 | 260.26                  | 261.02       | 279.17       | 269.56        | -             | 6.76                    | 6.78         | 7.27         | 7.15          | -             |
| 343                 | Plumbing and heating, except electric         | 232.97                  | 237.94       | 252.18       | 243.02        | -             | 6.02                    | 6.07         | 6.55         | 6.64          | -             |
| 3432                | Plumbing fittings and brass goods             | 232.00                  | 234.95       | 242.70       | 242.17        | -             | 5.80                    | 5.83         | 6.37         | 6.51          | -             |
| 3433                | Heating equipment, except electric            | 221.63                  | 228.27       | 251.02       | 231.32        | -             | 5.91                    | 5.96         | 6.42         | 6.39          | -             |
| 344                 | Fabricated structural metal products          | 261.49                  | 268.80       | 290.32       | 288.55        | -             | 6.57                    | 6.67         | 7.24         | 7.25          | -             |
| 3441                | Fabricated structural metal                   | 285.07                  | 292.82       | 309.89       | 307.22        | -             | 6.97                    | 7.09         | 7.54         | 7.53          | -             |
| 3442                | Metal doors, sash, and trim                   | 205.14                  | 213.07       | 228.54       | 230.10        | -             | 5.26                    | 5.34         | 5.86         | 5.87          | -             |
| 3443                | Fabricated plate work (boiler shops)          | 283.20                  | 294.03       | 323.83       | 322.75        | -             | 7.08                    | 7.26         | 7.86         | 7.93          | -             |
| 3444                | Sheet metal work                              | 262.36                  | 267.13       | 284.98       | 281.09        | -             | 6.71                    | 6.78         | 7.27         | 7.32          | -             |
| 3446                | Architectural metal work                      | 250.49                  | 253.49       | 264.49       | 271.48        | -             | 6.39                    | 6.45         | 6.73         | 6.77          | -             |
| 345                 | Screw machine products, bolts, etc.           | 264.58                  | 267.90       | 272.63       | 266.94        | -             | 6.36                    | 6.44         | 6.85         | 6.88          | -             |
| 3451                | Screw machine products                        | 247.16                  | 251.26       | 252.49       | 246.01        | -             | 5.97                    | 6.04         | 6.36         | 6.44          | -             |
| 3452                | Bolts, nuts, rivets, and washers              | 280.64                  | 284.13       | 292.93       | 289.14        | -             | 6.73                    | 6.83         | 7.36         | 7.32          | -             |
| 346                 | Metal forgings and stampings                  | 315.99                  | 312.33       | 343.66       | 326.87        | -             | 7.88                    | 7.75         | 8.57         | 8.49          | -             |
| 3462                | Iron and steel forgings                       | 322.34                  | 321.34       | 398.05       | 341.84        | -             | 8.55                    | 8.39         | 9.50         | 9.14          | -             |
| 3465                | Automotive stampings                          | 392.59                  | 379.73       | 414.16       | 426.66        | -             | 9.46                    | 9.33         | 10.38        | 10.72         | -             |
| 3469                | Metal stampings, nec                          | 238.80                  | 246.84       | 258.07       | 250.04        | -             | 6.00                    | 6.05         | 6.55         | 6.58          | -             |
| 347                 | Metal services, nec                           | 220.95                  | 223.04       | 240.38       | 239.60        | -             | 5.51                    | 5.59         | 5.95         | 5.99          | -             |
| 3471                | Plating and polishing                         | 212.51                  | 213.94       | 227.94       | 226.38        | -             | 5.38                    | 5.43         | 5.80         | 5.88          | -             |
| 3479                | Metal coating and allied services             | 239.13                  | 242.54       | 265.63       | 266.79        | -             | 5.79                    | 5.93         | 6.25         | 6.19          | -             |
| 348                 | Ordnance and accessories, nec                 | 267.20                  | 276.89       | 301.35       | 292.25        | -             | 6.68                    | 6.82         | 7.35         | 7.38          | -             |
| 3483                | Ammunition, exc. for small arms, nec          | 244.10                  | 248.96       | 272.25       | 262.51        | -             | 6.39                    | 6.40         | 6.91         | 6.89          | -             |
| 349                 | Misc. fabricated metal products               | 260.18                  | 261.63       | 280.10       | 272.64        | -             | 6.44                    | 6.46         | 7.02         | 7.10          | -             |
| 3494                | Valves and pipe fittings                      | 275.40                  | 276.74       | 299.70       | 291.45        | -             | 6.80                    | 6.85         | 7.40         | 7.57          | -             |
| 3496                | Misc. fabricated wire products                | 230.85                  | 229.71       | 244.37       | 235.85        | -             | 5.70                    | 5.70         | 6.14         | 6.11          | -             |
| 35                  | <b>MACHINERY, EXCEPT ELECTRICAL</b>           | 302.41                  | 302.82       | 325.18       | 321.60        | 327.24        | 7.34                    | 7.35         | 7.97         | 8.04          | 8.08          |
| 351                 | Engines and turbines                          | 364.68                  | 350.84       | 371.88       | 384.55        | -             | 8.83                    | 8.95         | 9.56         | 9.81          | -             |
| 3511                | Turbines and turbine generator sets           | 315.19                  | 271.21       | 352.41       | 359.29        | -             | 7.86                    | 8.12         | 8.68         | 9.05          | -             |
| 3519                | Internal combustion engines, nec              | 377.73                  | 371.59       | 377.86       | 391.56        | -             | 9.08                    | 9.13         | 9.84         | 10.04         | -             |
| 352                 | Farm and garden machinery                     | 341.82                  | 332.38       | 380.30       | 390.45        | -             | 8.10                    | 7.99         | 9.39         | 9.50          | -             |
| 3523                | Farm machinery and equipment                  | 357.79                  | 341.43       | 394.97       | 404.07        | -             | 8.34                    | 8.11         | 9.61         | 9.69          | -             |
| 353                 | Construction and related machinery            | 322.34                  | 330.34       | 348.65       | 342.86        | -             | 7.92                    | 7.96         | 8.63         | 8.68          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

| 1972<br>SIC<br>Code | Industry                                      | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| 32                  | <b>STONE, CLAY, AND GLASS PRODUCTS</b>        | 41.5                 | 41.8         | 41.0         | 40.3          | 40.5          | 4.7                    | 4.8          | 3.6          | 3.6           | -             |
| 321                 | Flat glass                                    | 41.4                 | 42.0         | 40.7         | 40.7          | -             | 4.3                    | 4.2          | 3.0          | 3.8           | -             |
| 322                 | Glass and glassware, pressed or blown         | 40.2                 | 40.0         | 40.8         | 39.7          | -             | 4.1                    | 4.0          | 3.7          | 3.6           | -             |
| 3221                | Glass containers                              | 40.2                 | 40.3         | 41.3         | 40.5          | -             | 4.5                    | 4.3          | 4.2          | 4.1           | -             |
| 3229                | Pressed and blown glass, nec                  | 40.1                 | 39.6         | 40.1         | 38.6          | -             | 3.5                    | 3.7          | 3.1          | 2.9           | -             |
| 323                 | Products of purchased glass                   | 38.9                 | 38.2         | 37.9         | 38.4          | -             | 2.2                    | 1.9          | 1.4          | 1.9           | -             |
| 324                 | Cement, hydraulic                             | 42.4                 | 42.5         | 42.6         | 42.4          | -             | 4.3                    | 4.3          | 2.9          | 3.3           | -             |
| 325                 | Structural clay products                      | 41.1                 | 41.0         | 39.6         | 38.4          | -             | 4.1                    | 4.2          | 2.7          | 2.9           | -             |
| 326                 | Pottery and related products                  | 38.1                 | 38.4         | 38.4         | 37.0          | -             | 2.2                    | 2.5          | 1.9          | 1.8           | -             |
| 327                 | Concrete, gypsum, and plaster products        | 43.8                 | 44.5         | 42.6         | 42.1          | -             | 6.7                    | 7.1          | 5.2          | 5.0           | -             |
| 3271                | Concrete block and brick                      | 45.4                 | 45.3         | 42.7         | 43.3          | -             | 7.5                    | 7.3          | 5.1          | 5.3           | -             |
| 3272                | Concrete products, nec                        | 42.1                 | 43.0         | 41.9         | 41.6          | -             | 5.5                    | 6.2          | 4.3          | 4.2           | -             |
| 3273                | Ready-mixed concrete                          | 44.1                 | 45.0         | 42.7         | 41.9          | -             | 7.2                    | 7.5          | 5.9          | 5.4           | -             |
| 329                 | Misc. nonmetallic mineral products            | 41.4                 | 41.7         | 40.7         | 40.2          | -             | 4.2                    | 4.2          | 2.9          | 3.0           | -             |
| 3291                | Abrasive products                             | 40.2                 | 40.0         | 39.4         | 39.1          | -             | 3.3                    | 3.0          | 2.3          | 2.2           | -             |
| 3292                | Asbestos products                             | 41.5                 | 41.7         | 40.7         | 41.3          | -             | 3.1                    | 3.1          | 2.1          | 2.4           | -             |
| 33                  | <b>PRIMARY METAL INDUSTRIES</b>               | 41.3                 | 40.8         | 39.1         | 38.6          | 39.6          | 3.9                    | 3.7          | 2.1          | 2.1           | -             |
| 331                 | Blast furnaces and basic steel products       | 41.8                 | 40.5         | 38.1         | 37.8          | -             | 3.8                    | 3.4          | 1.4          | 1.4           | -             |
| 3312                | Blast furnaces and steel mills                | 41.8                 | 40.3         | 37.8         | 37.6          | -             | 3.8                    | 3.3          | 1.3          | 1.3           | -             |
| 3317                | Steel pipe and tubes                          | 40.8                 | 41.3         | 38.8         | 37.7          | -             | 3.3                    | 3.4          | 1.9          | 1.9           | -             |
| 332                 | Iron and steel foundries                      | 40.2                 | 40.3         | 39.0         | 38.6          | -             | 3.3                    | 3.4          | 2.1          | 2.2           | -             |
| 3321                | Gray iron foundries                           | 40.0                 | 39.6         | 38.6         | 38.5          | -             | 3.1                    | 3.0          | 1.8          | 1.9           | -             |
| 3322                | Malleable iron foundries                      | 38.7                 | 37.7         | 37.4         | 36.7          | -             | 2.8                    | 2.6          | 1.7          | 1.5           | -             |
| 3326                | Steel foundries, nec                          | 40.9                 | 42.4         | 39.7         | 38.9          | -             | 4.0                    | 4.5          | 2.7          | 2.7           | -             |
| 333                 | Primary nonferrous metals                     | 41.1                 | 41.8         | 41.8         | 40.9          | -             | 4.2                    | 4.2          | 3.8          | 3.7           | -             |
| 3334                | Primary aluminum                              | 40.5                 | 41.9         | 41.7         | 42.0          | -             | 3.9                    | 4.2          | 4.0          | 3.8           | -             |
| 336                 | Nonferrous rolling and drawing                | 42.4                 | 42.4         | 40.6         | 40.2          | -             | 5.1                    | 5.0          | 3.1          | 3.1           | -             |
| 3361                | Copper rolling and drawing                    | 42.2                 | 42.9         | 38.8         | 39.6          | -             | 5.0                    | 5.5          | 2.2          | 1.8           | -             |
| 3363                | Aluminum sheet, plate and foil                | 42.4                 | 41.9         | 40.5         | 40.2          | -             | 6.7                    | 6.3          | 4.6          | 4.8           | -             |
| 3367                | Nonferrous wire drawing and insulating        | 41.4                 | 41.9         | 41.0         | 40.5          | -             | 4.2                    | 4.1          | 2.8          | 3.1           | -             |
| 338                 | Nonferrous foundries                          | 39.7                 | 40.1         | 39.1         | 38.0          | -             | 2.7                    | 2.9          | 2.0          | 1.9           | -             |
| 3381                | Aluminum foundries                            | 40.2                 | 40.3         | 39.4         | 38.2          | -             | 3.0                    | 3.1          | 2.1          | 2.0           | -             |
| 34                  | <b>FABRICATED METAL PRODUCTS</b>              | 40.3                 | 40.5         | 40.1         | 39.2          | 40.0          | 3.2                    | 3.3          | 2.4          | 2.4           | -             |
| 341                 | Metal cans and shipping containers            | 45.6                 | 44.6         | 44.0         | 44.1          | -             | 5.9                    | 5.7          | 4.2          | 4.3           | -             |
| 3411                | Metal cans                                    | 45.8                 | 44.9         | 44.4         | 44.6          | -             | 5.8                    | 5.7          | 4.1          | 4.2           | -             |
| 342                 | Cutlery, hand tools, and hardware             | 39.2                 | 39.3         | 38.6         | 37.9          | -             | 2.4                    | 2.4          | 1.4          | 1.2           | -             |
| 3423, 8             | Hand and edge tools, and hand saws and blades | 40.1                 | 39.8         | 38.6         | 37.9          | -             | 2.9                    | 2.8          | 1.3          | 1.1           | -             |
| 3429                | Hardware, nec                                 | 38.5                 | 38.9         | 38.4         | 37.7          | -             | 2.1                    | 2.1          | 1.3          | 1.2           | -             |
| 343                 | Plumbing and heating, except electric         | 38.7                 | 39.2         | 38.5         | 36.6          | -             | 2.5                    | 2.5          | 1.4          | 1.4           | -             |
| 3432                | Plumbing fittings and brass goods             | 40.0                 | 40.3         | 38.1         | 37.2          | -             | 2.8                    | 3.1          | 1.1          | 1.0           | -             |
| 3433                | Heating equipment, except electric            | 37.5                 | 38.3         | 39.1         | 36.2          | -             | 2.0                    | 2.1          | 1.8          | 1.7           | -             |
| 344                 | Fabricated structural metal products          | 39.8                 | 40.3         | 40.1         | 39.8          | -             | 2.9                    | 3.2          | 2.5          | 2.5           | -             |
| 3441                | Fabricated structural metal                   | 40.9                 | 41.3         | 41.1         | 40.8          | -             | 3.6                    | 3.8          | 3.5          | 3.3           | -             |
| 3442                | Metal doors, sash, and trim                   | 39.0                 | 39.9         | 39.0         | 39.2          | -             | 2.5                    | 3.0          | 1.6          | 2.1           | -             |
| 3443                | Fabricated plate work (boiler shops)          | 40.0                 | 40.5         | 41.2         | 40.7          | -             | 2.5                    | 3.0          | 2.6          | 2.5           | -             |
| 3444                | Sheet metal work                              | 39.1                 | 39.4         | 39.2         | 38.4          | -             | 2.8                    | 3.0          | 2.5          | 2.2           | -             |
| 3446                | Architectural metal work                      | 39.2                 | 39.3         | 39.3         | 40.1          | -             | 1.9                    | 2.4          | 2.1          | 2.7           | -             |
| 345                 | Screw machine products, bolts, etc.           | 41.6                 | 41.6         | 39.8         | 38.8          | -             | 4.1                    | 4.4          | 2.8          | 2.4           | -             |
| 3451                | Screw machine products                        | 41.4                 | 41.6         | 39.7         | 38.2          | -             | 4.4                    | 4.6          | 3.0          | 2.7           | -             |
| 3452                | Bolts, nuts, rivets, and washers              | 41.7                 | 41.6         | 39.8         | 39.5          | -             | 3.8                    | 4.2          | 2.6          | 2.2           | -             |
| 346                 | Metal forgings and stampings                  | 40.1                 | 40.3         | 40.1         | 38.5          | -             | 3.7                    | 3.3          | 2.3          | 2.7           | -             |
| 3462                | Iron and steel forgings                       | 37.7                 | 38.3         | 41.9         | 37.4          | -             | 3.5                    | 3.1          | 2.5          | 2.6           | -             |
| 3465                | Automotive stampings                          | 41.5                 | 40.7         | 39.9         | 39.8          | -             | 4.3                    | 3.2          | 1.7          | 3.3           | -             |
| 3469                | Metal stampings, nec                          | 39.8                 | 40.8         | 39.4         | 38.0          | -             | 3.0                    | 3.4          | 2.4          | 2.2           | -             |
| 347                 | Metal services, nec                           | 40.1                 | 39.9         | 40.4         | 40.0          | -             | 3.3                    | 3.6          | 3.1          | 3.0           | -             |
| 3471                | Plating and polishing                         | 39.5                 | 39.4         | 39.3         | 38.5          | -             | 3.0                    | 3.2          | 2.8          | 2.6           | -             |
| 3479                | Metal coating and allied services             | 41.3                 | 40.9         | 42.5         | 43.1          | -             | 4.1                    | 4.5          | 3.6          | 3.8           | -             |
| 348                 | Ordinance and accessories, nec                | 40.0                 | 40.6         | 41.0         | 39.6          | -             | 2.5                    | 2.7          | 2.6          | 2.2           | -             |
| 3483                | Ammunition, exc. for small arms, nec          | 38.2                 | 38.9         | 39.4         | 38.1          | -             | 1.5                    | 2.1          | 1.8          | 1.4           | -             |
| 349                 | Misc. fabricated metal products               | 40.4                 | 40.5         | 39.9         | 38.4          | -             | 3.0                    | 3.0          | 2.2          | 1.9           | -             |
| 3494                | Valves and pipe fittings                      | 40.5                 | 40.4         | 40.5         | 38.5          | -             | 3.5                    | 3.1          | 2.7          | 2.1           | -             |
| 3496                | Misc. fabricated wire products                | 40.5                 | 40.3         | 39.8         | 38.6          | -             | 3.3                    | 3.2          | 1.9          | 1.7           | -             |
| 35                  | <b>MACHINERY, EXCEPT ELECTRICAL</b>           | 41.2                 | 41.2         | 40.8         | 40.0          | 40.5          | 3.6                    | 3.7          | 3.0          | 2.7           | -             |
| 351                 | Engines and turbines                          | 41.3                 | 39.2         | 38.9         | 39.2          | -             | 3.6                    | 3.0          | 1.9          | 1.4           | -             |
| 3511                | Turbines and turbine generator sets           | 40.1                 | 33.4         | 40.6         | 39.7          | -             | 3.2                    | 3.0          | 4.0          | 3.5           | -             |
| 3519                | Internal combustion engines, nec              | 41.6                 | 40.7         | 38.4         | 39.0          | -             | 3.7                    | 3.0          | 1.2          | .8            | -             |
| 352                 | Farm and garden machinery                     | 42.2                 | 41.6         | 40.5         | 41.1          | -             | 4.3                    | 4.1          | 2.4          | 2.0           | -             |
| 3523                | Farm machinery and equipment                  | 42.9                 | 42.1         | 41.1         | 41.7          | -             | 4.7                    | 4.3          | 2.7          | 2.2           | -             |
| 353                 | Construction and related machinery            | 40.7                 | 41.5         | 40.4         | 39.5          | -             | 3.1                    | 3.3          | 2.7          | 2.6           | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued

| 1972<br>SIC<br>Code | Industry                                      | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |  |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|--|
|                     |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |  |
|                     | <b>MACHINERY, EXCEPT ELECTRICAL—Continued</b> |                         |              |              |               |               |                         |              |              |               |               |  |
| 3531                | Construction machinery                        | \$352.08                | \$361.79     | \$374.22     | \$371.26      | -             | \$8.78                  | \$8.76       | \$9.72       | \$9.77        | -             |  |
| 3532                | Mining machinery                              | 338.19                  | 329.47       | 344.43       | 332.24        | -             | 8.11                    | 7.92         | 8.36         | 8.39          | -             |  |
| 3533                | Oil field machinery                           | 298.16                  | 309.28       | 347.33       | 339.83        | -             | 7.15                    | 7.26         | 8.04         | 8.13          | -             |  |
| 3535                | Conveyors and conveying equipment             | 280.43                  | 292.28       | 311.04       | 317.59        | -             | 6.79                    | 7.06         | 7.68         | 7.92          | -             |  |
| 3537                | Industrial trucks and tractors                | 284.25                  | 286.96       | 303.42       | 278.25        | -             | 7.16                    | 7.21         | 7.78         | 7.50          | -             |  |
| 354                 | Metalworking machinery                        | 317.48                  | 319.82       | 342.66       | 330.48        | -             | 7.47                    | 7.49         | 8.12         | 8.14          | -             |  |
| 3541                | Machine tools, metal cutting types            | 324.61                  | 334.95       | 359.79       | 340.71        | -             | 7.62                    | 7.70         | 8.29         | 8.31          | -             |  |
| 3542                | Machine tools, metal forming types            | 324.28                  | 310.00       | 348.47       | 342.22        | -             | 7.89                    | 7.75         | 8.52         | 8.73          | -             |  |
| 3544                | Special dies, tools, jigs, and fixtures       | 346.70                  | 344.24       | 370.22       | 359.42        | -             | 7.97                    | 7.95         | 8.65         | 8.64          | -             |  |
| 3545                | Machine tool accessories                      | 282.31                  | 291.02       | 306.36       | 297.41        | -             | 6.77                    | 6.88         | 7.40         | 7.38          | -             |  |
| 3548                | Power driven hand tools                       | 237.61                  | 243.76       | 254.02       | 243.38        | -             | 5.97                    | 5.96         | 6.48         | 6.49          | -             |  |
| 355                 | Special industry machinery                    | 283.15                  | 281.36       | 307.02       | 299.69        | -             | 6.94                    | 6.93         | 7.47         | 7.53          | -             |  |
| 3551                | Food products machinery                       | 294.00                  | 297.92       | 317.97       | 308.83        | -             | 7.35                    | 7.32         | 7.89         | 7.98          | -             |  |
| 3552                | Textile machinery                             | 226.73                  | 231.34       | 246.85       | 234.30        | -             | 5.64                    | 5.67         | 6.08         | 6.07          | -             |  |
| 3555                | Printing trades machinery                     | 292.70                  | 297.44       | 326.56       | 312.36        | -             | 7.07                    | 7.15         | 7.63         | 7.60          | -             |  |
| 356                 | General industrial machinery                  | 298.66                  | 300.21       | 320.31       | 313.24        | -             | 7.32                    | 7.34         | 7.87         | 7.93          | -             |  |
| 3561                | Pumps and pumping equipment                   | 291.20                  | 296.94       | 315.62       | 307.51        | -             | 7.28                    | 7.35         | 7.95         | 8.05          | -             |  |
| 3562                | Ball and roller bearings                      | 314.75                  | 308.92       | 328.44       | 316.68        | -             | 7.53                    | 7.48         | 7.82         | 7.80          | -             |  |
| 3563                | Air and gas compressors                       | 302.91                  | 303.14       | 342.38       | 339.39        | -             | 7.37                    | 7.43         | 8.29         | 8.38          | -             |  |
| 3564                | Blowers and fans                              | 271.67                  | 270.95       | 303.26       | 290.14        | -             | 6.61                    | 6.69         | 7.29         | 7.29          | -             |  |
| 3566                | Speed changers, drives, and gears             | 346.20                  | 347.11       | 367.22       | 360.37        | -             | 8.07                    | 8.11         | 8.87         | 8.92          | -             |  |
| 3566                | Power transmission equipment, nec             | 283.50                  | 288.81       | 302.35       | 295.28        | -             | 7.00                    | 7.01         | 7.54         | 7.63          | -             |  |
| 357                 | Office and computing machines                 | 249.69                  | 254.81       | 272.83       | 274.03        | -             | 6.09                    | 6.14         | 6.59         | 6.70          | -             |  |
| 3573                | Electronic computing equipment                | 252.97                  | 260.41       | 274.98       | 276.60        | -             | 6.14                    | 6.23         | 6.61         | 6.73          | -             |  |
| 358                 | Refrigeration and service machinery           | 263.61                  | 265.20       | 279.35       | 278.00        | -             | 6.64                    | 6.63         | 7.09         | 7.11          | -             |  |
| 3585                | Refrigeration and heating equipment           | 273.64                  | 272.43       | 282.63       | 286.88        | -             | 6.74                    | 6.76         | 7.21         | 7.19          | -             |  |
| 359                 | Misc. machinery, except electrical            | 289.05                  | 288.75       | 311.89       | 308.45        | -             | 7.05                    | 7.06         | 7.72         | 7.75          | -             |  |
| 3592                | Carburetors, pistons, rings, valves           | 334.97                  | 330.88       | 355.50       | 350.74        | -             | 8.19                    | 8.19         | 9.00         | 9.23          | -             |  |
| 3599                | Machinery, except electrical, nec             | 280.44                  | 281.26       | 304.91       | 301.95        | -             | 6.84                    | 6.86         | 7.51         | 7.53          | -             |  |
| 38                  | <b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>      | 248.69                  | 252.89       | 270.68       | 269.35        | \$276.90      | 6.28                    | 6.37         | 6.87         | 6.96          | \$7.01        |  |
| 361                 | Electric distributing equipment               | 248.61                  | 246.31       | 266.26       | 270.84        | -             | 6.31                    | 6.22         | 6.88         | 7.09          | -             |  |
| 3612                | Transformers                                  | 234.62                  | 235.17       | 264.77       | 272.83        | -             | 5.97                    | 5.85         | 6.72         | 6.96          | -             |  |
| 3613                | Switchgear and switchboard apparatus          | 259.91                  | 254.67       | 267.78       | 269.28        | -             | 6.58                    | 6.53         | 7.01         | 7.20          | -             |  |
| 362                 | Electrical industrial apparatus               | 258.32                  | 258.89       | 277.50       | 277.54        | -             | 6.41                    | 6.44         | 6.99         | 7.08          | -             |  |
| 3621                | Motors and generators                         | 259.05                  | 253.60       | 279.20       | 282.09        | -             | 6.46                    | 6.34         | 6.98         | 7.07          | -             |  |
| 3622                | Industrial controls                           | 249.64                  | 264.14       | 274.13       | 273.93        | -             | 6.21                    | 6.62         | 6.94         | 7.06          | -             |  |
| 363                 | Household appliances                          | 250.04                  | 253.50       | 266.85       | 259.56        | -             | 6.33                    | 6.50         | 6.86         | 6.94          | -             |  |
| 3632                | Household refrigerators and freezers          | 279.61                  | 280.86       | 301.04       | 300.31        | -             | 6.87                    | 7.22         | 7.66         | 7.74          | -             |  |
| 3633                | Household laundry equipment                   | 299.88                  | 313.39       | 312.78       | 310.81        | -             | 7.35                    | 7.70         | 8.02         | 7.99          | -             |  |
| 3634                | Electric housewares and fans                  | 201.08                  | 206.03       | 221.70       | 219.62        | -             | 5.25                    | 5.31         | 5.67         | 5.81          | -             |  |
| 364                 | Electric lighting and wiring equipment        | 228.52                  | 230.26       | 247.26       | 245.12        | -             | 5.80                    | 5.80         | 6.34         | 6.40          | -             |  |
| 3641                | Electric lamps                                | 246.25                  | 259.37       | 272.25       | 275.76        | -             | 6.25                    | 6.42         | 6.91         | 7.20          | -             |  |
| 3643                | Current-carrying wiring devices               | 217.34                  | 220.99       | 235.61       | 237.55        | -             | 5.42                    | 5.47         | 5.98         | 6.06          | -             |  |
| 3644                | Noncurrent-carrying wiring devices            | 234.52                  | 234.14       | 261.46       | 262.82        | -             | 6.06                    | 6.05         | 6.67         | 6.88          | -             |  |
| 3645                | Residential lighting fixtures                 | 173.50                  | 178.26       | 185.50       | 179.12        | -             | 4.59                    | 4.63         | 5.00         | 5.06          | -             |  |
| 365                 | Radio and TV receiving equipment              | 220.88                  | 224.58       | 243.96       | 246.35        | -             | 5.89                    | 5.91         | 6.42         | 6.50          | -             |  |
| 3651                | Radio and TV receiving sets                   | 227.10                  | 227.71       | 251.37       | 253.93        | -             | 6.04                    | 6.04         | 6.65         | 6.70          | -             |  |
| 366                 | Communication equipment                       | 292.23                  | 306.00       | 315.55       | 312.44        | -             | 7.18                    | 7.50         | 7.83         | 7.87          | -             |  |
| 3661                | Telephone and telegraph apparatus             | 294.89                  | 327.76       | 321.20       | 313.47        | -             | 7.21                    | 7.86         | 8.05         | 8.10          | -             |  |
| 3662                | Radio and TV communication equipment          | 289.98                  | 288.32       | 311.00       | 310.68        | -             | 7.16                    | 7.19         | 7.66         | 7.69          | -             |  |
| 367                 | Electronic components and accessories         | 207.73                  | 212.22       | 238.37       | 237.39        | -             | 5.34                    | 5.40         | 6.05         | 6.15          | -             |  |
| 3671-3              | Electronic tubes                              | 276.34                  | 273.38       | 308.59       | 303.51        | -             | 6.74                    | 6.75         | 7.49         | 7.55          | -             |  |
| 3674                | Semiconductors and related devices            | 230.44                  | 247.65       | 271.07       | 270.27        | -             | 5.97                    | 6.13         | 6.88         | 7.02          | -             |  |
| 3679                | Electronic components, nec                    | 196.28                  | 196.95       | 224.93       | 221.91        | -             | 5.02                    | 5.05         | 5.68         | 5.69          | -             |  |
| 369                 | Misc. electrical equipment and supplies       | 294.80                  | 294.74       | 306.93       | 302.54        | -             | 7.37                    | 7.35         | 7.81         | 7.92          | -             |  |
| 3691                | Storage batteries                             | 284.99                  | 305.72       | 297.56       | 289.91        | -             | 7.48                    | 7.53         | 7.81         | 7.69          | -             |  |
| 3694                | Engine electrical equipment                   | 329.26                  | 319.20       | 340.08       | 335.10        | -             | 8.09                    | 8.02         | 8.72         | 8.96          | -             |  |
| 37                  | <b>TRANSPORTATION EQUIPMENT</b>               | 350.10                  | 342.23       | 368.68       | 368.00        | 377.48        | 8.56                    | 8.45         | 9.24         | 9.34          | 9.39          |  |
| 371                 | Motor vehicles and equipment                  | 373.92                  | 358.40       | 378.49       | 380.38        | -             | 9.12                    | 8.96         | 9.78         | 9.88          | -             |  |
| 3711                | Motor vehicles and car bodies                 | 409.45                  | 391.64       | 406.15       | 411.41        | -             | 9.89                    | 9.89         | 10.66        | 10.77         | -             |  |
| 3713                | Truck and bus bodies                          | 287.82                  | 277.80       | 310.46       | 323.75        | -             | 7.38                    | 6.98         | 7.84         | 8.28          | -             |  |
| 3714                | Motor vehicle parts and accessories           | 363.32                  | 351.08       | 370.75       | 366.66        | -             | 8.84                    | 8.69         | 9.41         | 9.45          | -             |  |
| 3715,6              | Truck trailers and motor homes                | 235.30                  | 237.07       | 259.44       | 252.95        | -             | 6.08                    | 6.11         | 6.90         | 6.93          | -             |  |
| 372                 | Aircraft and parts                            | 346.46                  | 345.27       | 382.39       | 382.64        | -             | 8.21                    | 8.26         | 9.17         | 9.31          | -             |  |
| 3721                | Aircraft                                      | 356.59                  | 356.59       | 397.99       | 401.29        | -             | 8.43                    | 8.47         | 9.59         | 9.74          | -             |  |
| 3724                | Aircraft engines and engine parts             | 355.73                  | 350.88       | 382.12       | 384.21        | -             | 8.49                    | 8.60         | 9.32         | 9.44          | -             |  |
| 3728                | Aircraft equipment, nec                       | 316.73                  | 315.56       | 351.85       | 342.78        | -             | 7.47                    | 7.46         | 8.24         | 8.32          | -             |  |
| 373                 | Ship and boat building and repairing          | 272.16                  | 293.27       | 332.11       | 322.29        | -             | 7.20                    | 7.35         | 8.14         | 8.18          | -             |  |
| 3731                | Shipbuilding and repairing                    | 286.90                  | 308.37       | 346.47       | (*)           | -             | 7.57                    | 7.69         | 8.43         | (*)           | -             |  |
| 3732                | Boat building and repairing                   | 224.85                  | 237.51       | 277.31       | 272.05        | -             | 5.98                    | 6.09         | 6.95         | 6.87          | -             |  |
| 374                 | Railroad equipment                            | 381.55                  | 375.58       | 382.78       | (*)           | -             | 9.02                    | 9.05         |              |               | -             |  |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued**

| 1972<br>SIC<br>Code | Industry                                      | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>MACHINERY, EXCEPT ELECTRICAL—Continued</b> |                      |              |              |               |               |                        |              |              |               |               |
| 3531                | Construction machinery                        | 40.1                 | 41.3         | 38.5         | 38.0          | -             | 2.3                    | 2.5          | 1.0          | 0.8           | -             |
| 3532                | Mining machinery                              | 41.7                 | 41.6         | 41.2         | 39.6          | -             | 3.0                    | 3.3          | 2.5          | 2.1           | -             |
| 3533                | Oil field machinery                           | 41.7                 | 42.6         | 43.2         | 41.8          | -             | 4.5                    | 4.5          | 5.3          | 5.8           | -             |
| 3535                | Conveyers and conveying equipment             | 41.3                 | 41.4         | 40.5         | 40.1          | -             | 4.0                    | 4.0          | 2.8          | 3.1           | -             |
| 3537                | Industrial trucks and tractors                | 39.7                 | 39.8         | 39.0         | 37.1          | -             | 2.5                    | 3.1          | 2.0          | 1.4           | -             |
| 354                 | Metalworking machinery                        | 42.5                 | 42.7         | 42.2         | 40.6          | -             | 5.1                    | 5.3          | 4.5          | 3.8           | -             |
| 3541                | Machine tools, metal cutting types            | 42.6                 | 43.5         | 43.4         | 41.0          | -             | 5.3                    | 5.8          | 5.9          | 4.7           | -             |
| 3542                | Machine tools, metal forming types            | 41.1                 | 40.0         | 40.9         | 39.2          | -             | 6.0                    | 5.0          | 4.6          | 4.1           | -             |
| 3544                | Special dies, tools, jigs, and fixtures       | 43.5                 | 43.3         | 42.8         | 41.6          | -             | 5.6                    | 5.5          | 4.8          | 4.4           | -             |
| 3545                | Machine tool accessories                      | 41.7                 | 42.3         | 41.4         | 40.3          | -             | 4.8                    | 5.3          | 3.9          | 3.3           | -             |
| 3548                | Power driven hand tools                       | 39.8                 | 40.9         | 39.2         | 37.5          | -             | 3.1                    | 3.9          | 2.0          | 1.3           | -             |
| 355                 | Special industry machinery                    | 40.8                 | 40.6         | 41.1         | 39.8          | -             | 3.4                    | 3.4          | 3.1          | 2.8           | -             |
| 3551                | Food products machinery                       | 40.0                 | 40.7         | 40.3         | 38.7          | -             | 2.8                    | 2.9          | 2.4          | 2.0           | -             |
| 3552                | Textile machinery                             | 40.2                 | 40.8         | 40.6         | 38.6          | -             | 2.5                    | 2.4          | 2.3          | 1.8           | -             |
| 3555                | Printing trades machinery                     | 41.4                 | 41.6         | 42.8         | 41.1          | -             | 3.7                    | 4.1          | 4.1          | 3.4           | -             |
| 356                 | General industrial machinery                  | 40.8                 | 40.9         | 40.7         | 39.5          | -             | 3.6                    | 3.7          | 3.1          | 2.6           | -             |
| 3561                | Pumps and pumping equipment                   | 40.0                 | 40.4         | 39.7         | 38.2          | -             | 3.0                    | 3.2          | 2.3          | 2.2           | -             |
| 3562                | Ball and roller bearings                      | 41.8                 | 41.3         | 42.0         | 40.6          | -             | 4.5                    | 4.2          | 4.0          | 3.1           | -             |
| 3563                | Air and gas compressors                       | 41.1                 | 40.8         | 41.3         | 40.5          | -             | 3.0                    | 3.3          | 3.6          | 4.0           | -             |
| 3564                | Blowers and fans                              | 41.1                 | 40.5         | 41.6         | 39.8          | -             | 3.4                    | 3.7          | 3.6          | 3.0           | -             |
| 3566                | Speed changers, drives, and gears             | 42.9                 | 42.8         | 41.4         | 40.4          | -             | 4.9                    | 5.0          | 3.5          | 2.5           | -             |
| 3568                | Power transmission equipment, nec             | 40.5                 | 41.2         | 40.1         | 38.7          | -             | 4.1                    | 3.8          | 2.2          | 2.0           | -             |
| 357                 | Office and computing machines                 | 41.0                 | 41.5         | 41.4         | 40.9          | -             | 2.3                    | 2.7          | 2.4          | 2.3           | -             |
| 3573                | Electronic computing equipment                | 41.2                 | 41.8         | 41.6         | 41.1          | -             | 2.3                    | 2.8          | 2.4          | 2.3           | -             |
| 358                 | Refrigeration and service machinery           | 39.7                 | 40.0         | 39.4         | 39.1          | -             | 2.2                    | 2.4          | 1.7          | 1.7           | -             |
| 3585                | Refrigeration and heating equipment           | 40.6                 | 40.3         | 39.2         | 39.9          | -             | 2.6                    | 2.6          | 1.7          | 1.8           | -             |
| 359                 | Misc. machinery, except electrical            | 41.0                 | 40.9         | 40.4         | 39.8          | -             | 4.1                    | 4.0          | 3.5          | 3.2           | -             |
| 3592                | Carburetors, pistons, rings, valves           | 40.9                 | 40.4         | 39.5         | 38.0          | -             | 3.7                    | 3.2          | 2.1          | 1.9           | -             |
| 3599                | Machinery, except electrical, nec             | 41.0                 | 41.0         | 40.6         | 40.1          | -             | 4.1                    | 4.2          | 3.8          | 3.4           | -             |
| 36                  | <b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>      | 39.6                 | 39.7         | 39.4         | 38.7          | 39.5          | 2.4                    | 2.5          | 1.9          | 1.8           | -             |
| 361                 | Electric distributing equipment               | 39.4                 | 39.6         | 38.7         | 38.2          | -             | 2.7                    | 2.4          | 2.1          | 2.2           | -             |
| 3612                | Transformers                                  | 39.3                 | 40.2         | 39.4         | 39.2          | -             | 2.9                    | 2.8          | 2.6          | 2.9           | -             |
| 3613                | Switchgear and switchboard apparatus          | 39.5                 | 39.0         | 38.2         | 37.4          | -             | 2.5                    | 2.1          | 1.7          | 1.6           | -             |
| 362                 | Electrical industrial apparatus               | 40.3                 | 40.2         | 39.7         | 39.2          | -             | 2.9                    | 2.7          | 2.0          | 1.9           | -             |
| 3621                | Motors and generators                         | 40.1                 | 40.0         | 40.0         | 39.9          | -             | 2.8                    | 2.6          | 2.0          | 2.1           | -             |
| 3622                | Industrial controls                           | 40.2                 | 39.9         | 39.5         | 38.8          | -             | 2.4                    | 2.6          | 1.9          | 1.8           | -             |
| 363                 | Household appliances                          | 39.5                 | 39.0         | 38.9         | 37.4          | -             | 2.1                    | 2.5          | 1.4          | 1.0           | -             |
| 3632                | Household refrigerators and freezers          | 40.7                 | 38.9         | 39.3         | 38.8          | -             | 2.7                    | 2.6          | 1.2          | 1.4           | -             |
| 3633                | Household laundry equipment                   | 40.8                 | 40.7         | 39.0         | 38.9          | -             | 1.1                    | 1.7          | .4           | .5            | -             |
| 3634                | Electric housewares and fans                  | 38.3                 | 38.8         | 39.1         | 37.8          | -             | 1.8                    | 2.4          | 1.7          | .9            | -             |
| 364                 | Electric lighting and wiring equipment        | 39.4                 | 39.7         | 39.0         | 38.3          | -             | 2.3                    | 2.4          | 1.6          | 1.4           | -             |
| 3641                | Electric lamps                                | 39.4                 | 40.4         | 39.4         | 38.3          | -             | 1.3                    | 1.8          | 1.3          | 1.2           | -             |
| 3643                | Current-carrying wiring devices               | 40.1                 | 40.4         | 39.4         | 39.2          | -             | 2.8                    | 2.8          | 1.8          | 1.8           | -             |
| 3644                | Noncurrent-carrying wiring devices            | 38.7                 | 38.7         | 39.2         | 38.2          | -             | 1.6                    | 2.1          | 1.3          | 1.2           | -             |
| 3645                | Residential lighting fixtures                 | 37.8                 | 38.5         | 37.1         | 35.4          | -             | 2.0                    | 2.1          | .6           | .5            | -             |
| 365                 | Radio and TV receiving equipment              | 37.5                 | 38.0         | 38.0         | 37.9          | -             | 2.0                    | 1.9          | 1.3          | 1.2           | -             |
| 3651                | Radio and TV receiving sets                   | 37.6                 | 37.7         | 37.8         | 37.9          | -             | 1.8                    | 1.5          | 1.3          | 1.4           | -             |
| 366                 | Communication equipment                       | 40.7                 | 40.8         | 40.3         | 39.7          | -             | 2.6                    | 2.8          | 2.1          | 1.9           | -             |
| 3661                | Telephone and telegraph apparatus             | 40.9                 | 41.7         | 39.9         | 38.7          | -             | 2.9                    | 3.4          | 1.8          | 1.6           | -             |
| 3662                | Radio and TV communication equipment          | 40.5                 | 40.1         | 40.6         | 40.4          | -             | 2.4                    | 2.3          | 2.3          | 2.1           | -             |
| 367                 | Electronic components and accessories         | 38.9                 | 39.3         | 39.4         | 38.6          | -             | 2.5                    | 2.7          | 2.2          | 2.3           | -             |
| 3671-3              | Electronic tubes                              | 41.0                 | 40.5         | 41.2         | 40.2          | -             | 1.9                    | 2.0          | 2.3          | 2.1           | -             |
| 3674                | Semiconductors and related devices            | 38.6                 | 40.4         | 39.4         | 38.5          | -             | 3.0                    | 3.6          | 2.5          | 2.7           | -             |
| 3679                | Electronic components, nec                    | 39.1                 | 39.0         | 39.6         | 39.0          | -             | 2.4                    | 2.5          | 2.2          | 2.2           | -             |
| 369                 | Misc. electrical equipment and supplies       | 40.0                 | 40.1         | 39.3         | 38.2          | -             | 2.1                    | 2.3          | 1.2          | 1.0           | -             |
| 3691                | Storage batteries                             | 38.1                 | 40.6         | 38.1         | 37.7          | -             | 2.5                    | 3.6          | .8           | 1.6           | -             |
| 3694                | Engine electrical equipment                   | 40.7                 | 39.8         | 39.0         | 37.4          | -             | 2.1                    | 1.6          | .7           | .7            | -             |
| 37                  | <b>TRANSPORTATION EQUIPMENT</b>               | 40.9                 | 40.5         | 39.9         | 39.4          | 40.2          | 4.3                    | 4.0          | 2.6          | 2.8           | -             |
| 371                 | Motor vehicles and equipment                  | 41.0                 | 40.0         | 38.7         | 38.5          | -             | 4.6                    | 4.0          | 1.6          | 1.9           | -             |
| 3711                | Motor vehicles and car bodies                 | 41.4                 | 39.6         | 38.1         | 38.2          | -             | 5.7                    | 5.6          | 1.4          | 1.9           | -             |
| 3713                | Truck and bus bodies                          | 39.0                 | 39.8         | 39.6         | 39.1          | -             | 2.9                    | 3.3          | 2.5          | 2.3           | -             |
| 3714                | Motor vehicle parts and accessories           | 41.1                 | 40.4         | 39.4         | 38.8          | -             | 3.9                    | 3.0          | 1.7          | 1.9           | -             |
| 3715,8              | Truck trailers and motor homes                | 38.7                 | 38.8         | 37.6         | 36.5          | -             | 2.4                    | 2.1          | 1.1          | .8            | -             |
| 372                 | Aircraft and parts                            | 42.2                 | 41.8         | 41.7         | 41.1          | -             | 4.7                    | 4.4          | 3.9          | 4.2           | -             |
| 3721                | Aircraft                                      | 42.3                 | 42.1         | 41.5         | 41.2          | -             | 4.2                    | 4.1          | 3.3          | 3.7           | -             |
| 3724                | Aircraft engines and engine parts             | 41.9                 | 40.8         | 41.0         | 40.7          | -             | 5.2                    | 4.6          | 4.4          | 4.8           | -             |
| 3728                | Aircraft equipment, nec                       | 42.4                 | 42.3         | 42.7         | 41.2          | -             | 5.2                    | 4.9          | 4.7          | 4.5           | -             |
| 373                 | Ship and boat building and repairing          | 37.8                 | 39.9         | 40.8         | 39.4          | -             | 3.1                    | 3.4          | 3.5          | 2.9           | -             |
| 3731                | Ship building and repairing                   | 37.9                 | 40.1         | 41.1         | (*)           | -             | 3.4                    | 3.7          | 3.5          | (*)           | -             |
| 3732                | Boat building and repairing                   | 37.6                 | 39.0         | 39.9         | 39.6          | -             | 2.2                    | 2.5          | 3.3          | 3.3           | -             |
| 374                 | Railroad equipment                            | 42.3                 | 41.5         | 38.9         | (*)           | -             | 5.0                    | 5.1          | 2.3          | (*)           | -             |

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls  
by industry—Continued

| 1972<br>SIC<br>Code                                 | Industry  | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|---|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|   |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| <b>TRANSPORTATION EQUIPMENT—Continued</b>           |   |                         |              |              |               |               |                         |              |              |               |               |
| 376   | Guided missiles, space vehicles, parts .....      | \$337.84                | \$344.03     | \$371.13     | \$366.43      | -             | \$8.22                  | \$8.27       | \$9.03       | \$9.23        | -             |
| 3761  | Guided missiles and space vehicles .....          | 336.56                  | 346.10       | 374.10       | 368.15        | -             | 8.31                    | 8.36         | 9.08         | 9.25          | -             |
| 379   | Miscellaneous transportation equipment .....      | 243.08                  | 258.73       | 269.85       | 265.56        | -             | 6.38                    | 6.55         | 7.12         | 6.97          | -             |
| 3792  | Travel trailers and campers .....                 | 199.82                  | 216.34       | 217.31       | 226.78        | -             | 5.52                    | 5.80         | 5.97         | 6.08          | -             |
| <b>INSTRUMENTS AND RELATED PRODUCTS .....</b>       |   |                         |              |              |               |               |                         |              |              |               |               |
| 38  | Engineering and scientific instruments .....      | 248.65                  | 248.46       | 275.40       | 271.37        | \$279.16      | 6.17                    | 6.15         | 6.80         | 6.87          | \$6.91        |
| 381   | Measuring and controlling devices .....           | 263.90                  | 272.41       | 293.70       | 289.64        | -             | 6.50                    | 6.58         | 7.06         | 7.03          | -             |
| 382   | Environmental controls .....                      | 253.17                  | 252.96       | 284.13       | 279.60        | -             | 6.19                    | 6.20         | 6.93         | 6.99          | -             |
| 3822  | Process control instruments .....                 | 230.88                  | 234.61       | 248.53       | 249.22        | -             | 5.86                    | 5.88         | 6.34         | 6.49          | -             |
| 3823  | Instruments to measure electricity .....          | 261.04                  | 254.20       | 294.25       | 295.49        | -             | 6.26                    | 6.17         | 6.78         | 6.84          | -             |
| 3825  | Optical instruments and lenses .....              | 272.16                  | 271.58       | 310.16       | 299.95        | -             | 6.48                    | 6.56         | 7.51         | 7.48          | -             |
| 383   | Medical instruments and supplies .....            | 295.24                  | 297.25       | 293.15       | 297.20        | -             | 6.71                    | 6.71         | 7.15         | 7.43          | -             |
| 384   | Surgical and medical instruments .....            | 205.06                  | 200.06       | 227.30       | 220.02        | -             | 5.34                    | 5.21         | 5.74         | 5.79          | -             |
| 3841  | Surgical appliances and supplies .....            | 199.17                  | 185.08       | 224.11       | 212.91        | -             | 5.12                    | 4.77         | 5.52         | 5.53          | -             |
| 3842  | Ophthalmic goods .....                            | 210.69                  | 212.57       | 230.08       | 226.95        | -             | 5.53                    | 5.55         | 5.93         | 6.02          | -             |
| 385   | Photographic equipment and supplies .....         | 191.67                  | 193.55       | 211.34       | 206.28        | -             | 4.94                    | 4.95         | 5.31         | 5.40          | -             |
| 386   | Watches, clocks, and watchcases .....             | 323.95                  | 322.87       | 359.10       | 356.94        | -             | 7.75                    | 7.78         | 8.78         | 8.77          | -             |
| 387   | Watches, clocks, and watchcases .....             | 175.31                  | 184.00       | 198.12       | 193.36        | -             | 4.70                    | 4.73         | 5.20         | 5.24          | -             |
| <b>MISCELLANEOUS MANUFACTURING INDUSTRIES .....</b> |   |                         |              |              |               |               |                         |              |              |               |               |
| 39  | Jewelry, silverware, and plated ware .....        | 152.89                  | 194.78       | 207.59       | 207.31        | 211.37        | 5.01                    | 5.02         | 5.42         | 5.47          | 5.49          |
| 391   | Jewelry, precious metal .....                     | 189.01                  | 196.42       | 214.88       | 219.27        | -             | 5.15                    | 5.21         | 5.73         | 5.74          | -             |
| 3911  | Musical instruments .....                         | 182.22                  | 188.12       | 204.57       | 207.84        | -             | 5.09                    | 5.14         | 5.62         | 5.71          | -             |
| 393   | Toys and sporting goods .....                     | 199.98                  | 204.31       | 202.29       | 201.00        | -             | 4.95                    | 5.02         | 5.38         | 5.36          | -             |
| 394   | Dolls, games, toys, and children's vehicles ..... | 169.34                  | 175.49       | 191.35       | 187.37        | -             | 4.54                    | 4.57         | 4.97         | 4.97          | -             |
| 3942, 4   | Sporting and athletic goods, nec .....            | 164.87                  | 170.23       | 181.26       | 176.49        | -             | 4.42                    | 4.41         | 4.77         | 4.77          | -             |
| 3949  | Pens, pencils, office and art supplies .....      | 173.07                  | 181.16       | 201.76       | 198.28        | -             | 4.64                    | 4.73         | 5.16         | 5.15          | -             |
| 395   | Costume jewelry and notions .....                 | 209.90                  | 215.54       | 227.36       | 223.97        | -             | 5.17                    | 5.27         | 5.60         | 5.67          | -             |
| 396   | Costume jewelry and notions .....                 | 165.17                  | 158.61       | 175.97       | 174.56        | -             | 4.29                    | 4.31         | 4.68         | 4.68          | -             |
| 3961  | Signs and advertising displays .....              | 154.16                  | 147.65       | 167.10       | 171.71        | -             | 4.10                    | 4.09         | 4.48         | 4.46          | -             |
| 399   | Miscellaneous manufactures .....                  | 221.20                  | 220.97       | 228.05       | 228.46        | -             | 5.60                    | 5.58         | 5.97         | 6.06          | -             |
| 3993  | Signs and advertising displays .....              | 229.32                  | 230.49       | 245.97       | 241.33        | -             | 5.88                    | 5.91         | 6.49         | 6.47          | -             |
| <b>NONDURABLE GOODS</b>                             |   |                         |              |              |               |               |                         |              |              |               |               |
| <b>FOOD AND KINDRED PRODUCTS .....</b>              |   |                         |              |              |               |               |                         |              |              |               |               |
| 20  | Meat products .....                               | 251.83                  | 253.08       | 270.86       | 276.00        | 278.36        | 6.28                    | 6.28         | 6.84         | 6.90          | 6.89          |
| 201   | Meat packing plants .....                         | 260.89                  | 260.25       | 270.09       | 273.54        | -             | 6.41                    | 6.41         | 6.89         | 7.05          | -             |
| 2011  | Sausages and other prepared meats .....           | 331.99                  | 328.13       | 347.77       | 353.33        | -             | 7.83                    | 7.85         | 8.38         | 8.66          | -             |
| 2013  | Poultry dressing plants .....                     | 306.59                  | 308.15       | 320.80       | 321.14        | -             | 7.57                    | 7.59         | 8.02         | 8.13          | -             |
| 2016  | Dairy products .....                              | 163.41                  | 165.51       | 161.98       | 164.62        | -             | 4.19                    | 4.19         | 4.45         | 4.51          | -             |
| 202   | Cheese, natural and processed .....               | 264.39                  | 263.96       | 285.44       | 290.76        | -             | 6.31                    | 6.33         | 6.78         | 6.89          | -             |
| 2022  | Fluid milk .....                                  | 245.62                  | 244.62       | 260.48       | 268.30        | -             | 6.02                    | 6.04         | 6.40         | 6.56          | -             |
| 2026  | Preserved fruits and vegetables .....             | 277.75                  | 276.64       | 303.17       | 307.59        | -             | 6.52                    | 6.54         | 7.10         | 7.17          | -             |
| 203   | Canned specialties .....                          | 209.13                  | 222.40       | 217.29       | 228.90        | -             | 5.39                    | 5.56         | 5.81         | 5.93          | -             |
| 2032  | Canned fruits and vegetables .....                | 252.72                  | 279.07       | 243.62       | 249.38        | -             | 6.24                    | 6.49         | 6.62         | 6.87          | -             |
| 2033  | Frozen fruits and vegetables .....                | 204.06                  | 223.18       | 218.87       | 236.21        | -             | 5.37                    | 5.65         | 5.98         | 5.98          | -             |
| 2037  | Grain mill products .....                         | 198.01                  | 207.83       | 201.70       | 215.46        | -             | 5.17                    | 5.17         | 5.35         | 5.70          | -             |
| 204   | Flour and other grain mill products .....         | 301.15                  | 303.72       | 326.90       | 334.61        | -             | 6.86                    | 6.95         | 7.62         | 7.71          | -             |
| 2041  | Prepared feeds, nec .....                         | 327.36                  | 328.39       | 341.69       | 370.19        | -             | 7.04                    | 7.17         | 7.61         | 7.91          | -             |
| 2048  | Bakery products .....                             | 250.32                  | 251.30       | 263.09       | 271.30        | -             | 5.60                    | 5.66         | 6.09         | 6.18          | -             |
| 205   | Bread, cake, and related products .....           | 254.80                  | 254.53       | 280.47       | 282.46        | -             | 6.55                    | 6.56         | 7.21         | 7.28          | -             |
| 2051  | Cookies and crackers .....                        | 256.97                  | 255.92       | 281.82       | 285.29        | -             | 6.64                    | 6.63         | 7.32         | 7.41          | -             |
| 2052  | Sugar and confectionery products .....            | 247.83                  | 250.58       | 274.51       | 274.43        | -             | 6.29                    | 6.36         | 6.88         | 6.93          | -             |
| 206   | Cane and beet sugar .....                         | 236.62                  | 240.95       | 258.59       | 264.27        | -             | 6.13                    | 6.10         | 6.58         | 6.64          | -             |
| 2061-3  | Confectionery products .....                      | 293.79                  | 288.86       | 330.06       | 340.72        | -             | 7.29                    | 7.35         | 8.19         | 8.23          | -             |
| 2065  | Fats and oils .....                               | 207.31                  | 213.25       | 220.00       | 220.42        | -             | 5.47                    | 5.44         | 5.67         | 5.74          | -             |
| 207   | Beverages .....                                   | 297.20                  | 293.23       | 302.17       | 308.45        | -             | 6.77                    | 6.71         | 7.06         | 7.14          | -             |
| 208   | Malt beverages .....                              | 308.25                  | 310.65       | 339.36       | 345.17        | -             | 7.50                    | 7.54         | 8.08         | 8.16          | -             |
| 2082  | Bottled and canned soft drinks .....              | 433.75                  | 432.60       | 479.83       | 491.70        | -             | 10.23                   | 10.30        | 10.93        | 11.00         | -             |
| 2086  | Misc. foods and kindred products .....            | 227.96                  | 231.28       | 253.34       | 260.62        | -             | 5.56                    | 5.60         | 6.09         | 6.22          | -             |
| 209   | Misc. foods and kindred products .....            | 197.10                  | 201.82       | 220.89       | 229.90        | -             | 5.40                    | 5.44         | 5.97         | 5.91          | -             |
| <b>TOBACCO MANUFACTURES .....</b>                   |   |                         |              |              |               |               |                         |              |              |               |               |
| 21  | Cigarettes .....                                  | 246.56                  | 244.78       | 305.25       | 297.64        | 290.16        | 6.83                    | 6.51         | 7.97         | 8.11          | 7.80          |
| 211   | Cigarettes .....                                  | 277.54                  | 301.34       | 354.63       | 337.59        | -             | 7.84                    | 7.93         | 9.14         | 9.30          | -             |
| <b>TEXTILE MILL PRODUCTS .....</b>                  |   |                         |              |              |               |               |                         |              |              |               |               |
| 22  | Weaving mills, cotton .....                       | 185.54                  | 192.23       | 195.23       | 195.44        | 202.54        | 4.65                    | 4.77         | 4.93         | 5.05          | 5.18          |
| 221   | Weaving mills, synthetics .....                   | 194.81                  | 208.75       | 202.81       | 205.27        | -             | 4.81                    | 5.03         | 5.02         | 5.21          | -             |
| 222   | Weaving and finishing mills, wool .....           | 203.20                  | 204.93       | 207.55       | 211.60        | -             | 4.92                    | 5.06         | 5.15         | 5.33          | -             |
| 223   | Narrow fabric mills .....                         | 186.98                  | 192.85       | 209.84       | 208.03        | -             | 4.77                    | 4.87         | 5.22         | 5.28          | -             |
| 224   | Knitting mills .....                              | 173.23                  | 171.83       | 180.18       | 182.62        | -             | 4.32                    | 4.35         | 4.55         | 4.68          | -             |
| 225   | Knitting mills .....                              | 167.09                  | 170.67       | 181.25       | 178.50        | -             | 4.34                    | 4.41         | 4.72         | 4.76          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls  
by industry—Continued**

| 1972<br>SIC<br>Code                           | Industry  | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|   |   | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| <b>TRANSPORTATION EQUIPMENT—Continued</b>     |   |                      |              |              |               |               |                        |              |              |               |               |
| 378   | Guided missiles, space vehicles, parts .....      | 41.1                 | 41.6         | 41.1         | 39.7          | -             | 4.4                    | 4.5          | 3.3          | 3.2           | -             |
| 3781  | Guided missiles and space vehicles .....          | 40.5                 | 41.4         | 41.2         | 39.8          | -             | 3.7                    | 3.9          | 2.9          | 2.9           | -             |
| 379   | Miscellaneous transportation equipment .....      | 38.1                 | 39.5         | 37.9         | 38.1          | -             | 1.2                    | 1.4          | 1.1          | 1.6           | -             |
| 3792  | Travel trailers and campers .....                 | 36.2                 | 37.3         | 36.4         | 37.3          | -             | .9                     | 1.0          | .5           | 1.4           | -             |
| <b>INSTRUMENTS AND RELATED PRODUCTS</b>       |   |                      |              |              |               |               |                        |              |              |               |               |
| 38  | Engineering and scientific instruments .....      | 40.3                 | 40.4         | 40.5         | 39.5          | 40.4          | 2.1                    | 2.4          | 2.1          | 1.8           | -             |
| 381   | Measuring and controlling devices .....           | 40.6                 | 41.4         | 41.6         | 41.2          | -             | 3.3                    | 3.6          | 2.7          | 2.7           | -             |
| 382   | Environmental controls .....                      | 40.9                 | 40.8         | 41.0         | 40.0          | -             | 2.2                    | 2.4          | 2.1          | 1.8           | -             |
| 3822  | Process control instruments .....                 | 39.4                 | 39.9         | 39.2         | 38.4          | -             | 1.5                    | 1.8          | 1.1          | 1.3           | -             |
| 3823  | Instruments to measure electricity .....          | 41.7                 | 41.2         | 43.4         | 43.2          | -             | 2.8                    | 2.7          | 3.6          | 3.5           | -             |
| 3825  | Optical instruments and lenses .....              | 42.0                 | 41.4         | 41.3         | 40.1          | -             | 1.9                    | 2.1          | 1.7          | 1.2           | -             |
| 383   | Medical instruments and supplies .....            | 44.0                 | 44.3         | 41.0         | 40.0          | -             | 3.5                    | 4.0          | 3.3          | 2.7           | -             |
| 384   | Surgical and medical instruments .....            | 38.4                 | 38.4         | 39.6         | 38.0          | -             | 1.7                    | 1.8          | 1.9          | 1.4           | -             |
| 3841  | Surgical appliances and supplies .....            | 38.9                 | 38.8         | 40.6         | 38.5          | -             | 1.9                    | 2.1          | 1.8          | 1.2           | -             |
| 3842  | Photographic equipment and supplies .....         | 38.1                 | 38.3         | 38.8         | 37.7          | -             | 1.6                    | 1.7          | 2.1          | 1.9           | -             |
| 385   | Watches, clocks, and watchcases .....             | 38.8                 | 39.1         | 39.8         | 38.2          | -             | 1.4                    | 1.9          | 1.8          | 1.2           | -             |
| 386   | Watches, clocks, and watchcases .....             | 41.8                 | 41.5         | 40.9         | 40.7          | -             | 2.4                    | 2.5          | 2.5          | 2.2           | -             |
| 387   | Watches, clocks, and watchcases .....             | 37.3                 | 38.9         | 38.1         | 36.9          | -             | .8                     | 1.2          | .9           | .7            | -             |
| <b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> |   |                      |              |              |               |               |                        |              |              |               |               |
| 39  | Jewelry, silverware, and plated ware .....        | 38.5                 | 38.8         | 38.3         | 37.9          | 38.5          | 1.7                    | 2.2          | 1.5          | 1.3           | -             |
| 391   | Jewelry, precious metal .....                     | 36.7                 | 37.7         | 37.5         | 38.2          | -             | .8                     | 1.9          | 1.4          | .8            | -             |
| 3911  | Musical instruments .....                         | 35.8                 | 36.6         | 36.4         | 36.4          | -             | .8                     | 1.5          | 1.4          | .9            | -             |
| 393   | Toys and sporting goods .....                     | 40.4                 | 40.7         | 37.6         | 37.5          | -             | 1.0                    | 2.2          | .7           | .8            | -             |
| 394   | Dolls, games, toys, and children's vehicles ..... | 37.3                 | 38.4         | 38.5         | 37.7          | -             | 1.4                    | 1.9          | 1.3          | 1.1           | -             |
| 3942.4  | Sporting and athletic goods, nec .....            | 37.3                 | 38.6         | 38.0         | 37.0          | -             | 1.3                    | 1.9          | 1.2          | .8            | -             |
| 3949  | Pens, pencils, office and art supplies .....      | 37.3                 | 38.3         | 39.1         | 38.5          | -             | 1.5                    | 1.9          | 1.4          | 1.4           | -             |
| 395   | Costume jewelry and notions .....                 | 40.6                 | 40.9         | 40.6         | 39.5          | -             | 2.9                    | 3.2          | 2.3          | 2.3           | -             |
| 396   | Costume jewelry .....                             | 38.5                 | 36.8         | 37.6         | 37.3          | -             | 1.5                    | 1.9          | 1.7          | 1.1           | -             |
| 3961  | Miscellaneous manufactures .....                  | 37.6                 | 36.1         | 37.3         | 38.5          | -             | .9                     | 1.7          | 1.3          | .8            | -             |
| 399   | Signs and advertising displays .....              | 39.5                 | 39.6         | 38.2         | 37.7          | -             | 2.2                    | 2.6          | 1.5          | 1.6           | -             |
| 3993  | Signs and advertising displays .....              | 39.0                 | 39.0         | 37.9         | 37.3          | -             | 2.1                    | 2.5          | 1.9          | 1.9           | -             |
| <b>NONDURABLE GOODS</b>                       |   |                      |              |              |               |               |                        |              |              |               |               |
| <b>FOOD AND KINDRED PRODUCTS</b>              |   |                      |              |              |               |               |                        |              |              |               |               |
| 20  | Meat products .....                               | 40.1                 | 40.3         | 39.6         | 40.0          | 40.4          | 4.1                    | 4.5          | 3.6          | 4.0           | -             |
| 201   | Meat packing plants .....                         | 40.7                 | 40.6         | 39.2         | 38.8          | -             | 4.6                    | 4.5          | 3.6          | 3.4           | -             |
| 2011  | Sausages and other prepared meats .....           | 42.4                 | 41.8         | 41.5         | 40.8          | -             | 5.2                    | 5.3          | 4.7          | 4.4           | -             |
| 2013  | Poultry dressing plants .....                     | 40.5                 | 40.6         | 40.0         | 39.5          | -             | 4.0                    | 3.8          | 3.2          | 2.8           | -             |
| 2016  | Dairy products .....                              | 39.0                 | 39.5         | 36.4         | 36.5          | -             | 4.2                    | 4.1          | 2.5          | 2.6           | -             |
| 202   | Cheese, natural and processed .....               | 41.9                 | 41.7         | 42.1         | 42.2          | -             | 4.3                    | 4.3          | 4.3          | 4.6           | -             |
| 2022  | Fluid milk .....                                  | 40.8                 | 40.5         | 40.7         | 40.9          | -             | 3.8                    | 4.1          | 3.9          | 3.9           | -             |
| 2026  | Preserved fruits and vegetables .....             | 42.6                 | 42.3         | 42.7         | 42.9          | -             | 4.4                    | 4.4          | 4.5          | 4.8           | -             |
| 203   | Canned specialties .....                          | 38.8                 | 40.0         | 37.4         | 38.6          | -             | 3.9                    | 5.4          | 2.8          | 4.3           | -             |
| 2032  | Canned fruits and vegetables .....                | 40.5                 | 43.0         | 36.8         | 36.3          | -             | 3.4                    | 6.7          | 3.8          | 3.9           | -             |
| 2033  | Frozen fruits and vegetables .....                | 38.0                 | 39.5         | 36.6         | 39.5          | -             | 4.8                    | 6.1          | 2.7          | 5.3           | -             |
| 2037  | Grain mill products .....                         | 38.3                 | 40.2         | 37.7         | 37.8          | -             | 3.4                    | 4.9          | 3.0          | 3.0           | -             |
| 204   | Flour and other grain mill products .....         | 43.9                 | 43.7         | 42.9         | 43.4          | -             | 6.4                    | 6.3          | 5.5          | 5.6           | -             |
| 2041  | Prepared feeds, nec .....                         | 46.5                 | 45.8         | 44.9         | 46.8          | -             | 8.2                    | 7.3          | 5.6          | 6.9           | -             |
| 2048  | Bakery products .....                             | 44.7                 | 44.4         | 43.2         | 43.9          | -             | 7.1                    | 6.6          | 6.2          | 6.9           | -             |
| 205   | Bread, cake, and related products .....           | 38.9                 | 38.8         | 38.9         | 38.8          | -             | 3.5                    | 3.2          | 3.4          | 3.4           | -             |
| 2051  | Cookies and crackers .....                        | 38.7                 | 38.6         | 38.5         | 38.5          | -             | 3.9                    | 3.5          | 3.8          | 3.8           | -             |
| 2052  | Sugar and confectionery products .....            | 39.4                 | 39.4         | 39.9         | 39.6          | -             | 2.1                    | 2.3          | 2.2          | 2.3           | -             |
| 206   | Cane and beet sugar .....                         | 38.6                 | 39.5         | 39.3         | 39.8          | -             | 2.4                    | 3.1          | 1.9          | 2.2           | -             |
| 2061-3  | Confectionery products .....                      | 40.3                 | 39.3         | 40.3         | 41.4          | -             | 3.8                    | 3.3          | 1.4          | 2.5           | -             |
| 2065  | Fats and oils .....                               | 37.9                 | 39.2         | 38.8         | 38.4          | -             | 1.9                    | 3.0          | 2.1          | 1.8           | -             |
| 207   | Beverages .....                                   | 43.9                 | 43.7         | 42.8         | 43.2          | -             | 6.2                    | 5.9          | 5.0          | 5.3           | -             |
| 208   | Melt beverages .....                              | 41.1                 | 41.2         | 42.0         | 42.3          | -             | 4.1                    | 4.3          | 4.4          | 4.9           | -             |
| 2082  | Bottled and canned soft drinks .....              | 42.4                 | 42.0         | 43.9         | 44.7          | -             | 5.5                    | 5.5          | 5.8          | 6.6           | -             |
| 2086  | Misc. foods and kindred products .....            | 41.0                 | 41.3         | 41.6         | 41.9          | -             | 4.2                    | 4.6          | 4.5          | 4.9           | -             |
| 209   | Misc. foods and kindred products .....            | 36.5                 | 37.1         | 37.0         | 38.9          | -             | 2.9                    | 3.1          | 3.1          | 3.9           | -             |
| <b>TOBACCO MANUFACTURES</b>                   |   |                      |              |              |               |               |                        |              |              |               |               |
| 21  | Cigarettes .....                                  | 36.1                 | 37.6         | 38.3         | 36.7          | 37.2          | 1.0                    | 1.4          | .9           | 1.0           | -             |
| 211   | Cigarettes .....                                  | 35.4                 | 38.0         | 38.8         | 36.3          | -             | .9                     | 1.3          | .8           | .8            | -             |
| <b>TEXTILE MILL PRODUCTS</b>                  |   |                      |              |              |               |               |                        |              |              |               |               |
| 22  | Weaving mills, cotton .....                       | 39.9                 | 40.3         | 39.6         | 38.7          | 39.1          | 3.2                    | 3.5          | 2.8          | 2.4           | -             |
| 221   | Weaving mills, synthetics .....                   | 40.5                 | 41.5         | 40.4         | 39.4          | -             | 3.6                    | 4.3          | 3.2          | 3.0           | -             |
| 222   | Weaving and finishing mills, wool .....           | 41.3                 | 40.5         | 40.3         | 39.7          | -             | 4.0                    | 3.4          | 3.1          | 2.8           | -             |
| 223   | Narrow fabric mills .....                         | 39.2                 | 39.6         | 40.2         | 39.4          | -             | 3.3                    | 3.3          | 2.7          | 2.2           | -             |
| 224   | Knitting mills .....                              | 40.1                 | 39.5         | 39.6         | 39.7          | -             | 2.4                    | 2.5          | 2.0          | 1.6           | -             |
| 226   | Knitting mills .....                              | 38.5                 | 38.7         | 38.4         | 37.5          | -             | 2.5                    | 2.8          | 2.4          | 2.0           | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued

| 1972<br>SIC<br>Code                    | Industry                                  | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|--|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|  |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| <b>TEXTILE MILL PRODUCTS—Continued</b> |   |                         |              |              |               |               |                         |              |              |               |               |
| 2251                                   | Women's hosiery, except socks             | \$158.18                | \$166.21     | \$157.91     | \$158.76      | -             | \$4.13                  | \$4.24       | \$4.35       | \$4.41        | -             |
| 2252                                   | Hosiery, nec                              | 154.57                  | 156.11       | 164.05       | 160.65        | -             | 4.10                    | 4.13         | 4.41         | 4.45          | -             |
| 2253                                   | Knit outerwear mills                      | 160.45                  | 165.35       | 182.75       | 178.04        | -             | 4.29                    | 4.34         | 4.71         | 4.71          | -             |
| 2254                                   | Knit underwear mills                      | 151.10                  | 144.84       | 167.35       | 169.63        | -             | 4.04                    | 4.08         | 4.56         | 4.56          | -             |
| 2257                                   | Circular knit fabric mills                | 188.97                  | 198.21       | 216.89       | 214.38        | -             | 4.76                    | 4.87         | 5.29         | 5.40          | -             |
| 226                                    | Textile finishing, except wool            | 194.71                  | 206.23       | 214.20       | 204.29        | -             | 4.88                    | 5.03         | 5.25         | 5.32          | -             |
| 2261                                   | Finishing plants, cotton                  | 196.61                  | 214.76       | 219.60       | 206.84        | -             | 4.94                    | 5.20         | 5.33         | 5.29          | -             |
| 2262                                   | Finishing plants, synthetics              | 204.00                  | 212.49       | 222.22       | 218.48        | -             | 5.10                    | 5.17         | 5.42         | 5.60          | -             |
| 227                                    | Floor covering mills                      | 196.50                  | 205.94       | 198.00       | 202.75        | -             | 4.84                    | 4.88         | 5.09         | 5.28          | -             |
| 228                                    | Yarn and thread mills                     | 174.80                  | 181.44       | 182.03       | 183.35        | -             | 4.37                    | 4.48         | 4.62         | 4.75          | -             |
| 2261                                   | Yarn mills, except wool                   | 176.92                  | 184.01       | 185.20       | 186.42        | -             | 4.39                    | 4.51         | 4.63         | 4.78          | -             |
| 2262                                   | Throwing and winding mills                | 163.46                  | 169.92       | 167.77       | 168.22        | -             | 4.17                    | 4.28         | 4.45         | 4.51          | -             |
| 229                                    | Miscellaneous textile goods               | 201.60                  | 210.53       | 215.87       | 214.73        | -             | 5.04                    | 5.16         | 5.37         | 5.45          | -             |
| 23                                     | <b>APPAREL AND OTHER TEXTILE PRODUCTS</b> | 150.17                  | 149.88       | 160.56       | 158.50        | \$163.30      | 4.23                    | 4.21         | 4.51         | 4.49          | \$4.60        |
| 231                                    | Men's and boys' suits and coats           | 181.65                  | 181.71       | 191.78       | 199.21        | -             | 5.06                    | 5.09         | 5.24         | 5.27          | -             |
| 232                                    | Men's and boys' furnishings               | 139.29                  | 140.87       | 153.77       | 150.95        | -             | 3.88                    | 3.87         | 4.19         | 4.17          | -             |
| 2321                                   | Men's and boys' shirts and nightwear      | 136.52                  | 137.64       | 149.41       | 144.54        | -             | 3.73                    | 3.73         | 4.06         | 4.06          | -             |
| 2327                                   | Men's and boys' separate trousers         | 137.41                  | 140.94       | 153.65       | 149.60        | -             | 3.96                    | 3.97         | 4.28         | 4.25          | -             |
| 2328                                   | Men's and boys' work clothing             | 141.73                  | 141.73       | 153.30       | 152.15        | -             | 3.81                    | 3.81         | 4.11         | 4.09          | -             |
| 233                                    | Women's and misses' outerwear             | 141.79                  | 142.04       | 154.10       | 152.97        | -             | 4.22                    | 4.24         | 4.60         | 4.58          | -             |
| 2331                                   | Women's and misses' blouses and waists    | 139.48                  | 133.91       | 147.83       | 148.19        | -             | 3.94                    | 3.95         | 4.31         | 4.21          | -             |
| 2335                                   | Women's and misses' dresses               | 138.21                  | 139.64       | 149.78       | 146.33        | -             | 4.36                    | 4.35         | 4.71         | 4.69          | -             |
| 2337                                   | Women's and misses' suits and coats       | 153.79                  | 158.47       | 171.52       | 175.39        | -             | 4.51                    | 4.58         | 5.03         | 5.04          | -             |
| 2339                                   | Women's and misses' outerwear, nec        | 141.23                  | 141.86       | 154.07       | 152.29        | -             | 4.07                    | 4.10         | 4.44         | 4.44          | -             |
| 234                                    | Women's and children's undergarments      | 134.78                  | 141.68       | 148.37       | 145.79        | -             | 3.84                    | 3.85         | 4.11         | 4.13          | -             |
| 2341                                   | Women's and children's underwear          | 133.79                  | 140.23       | 149.41       | 145.25        | -             | 3.79                    | 3.79         | 4.06         | 4.08          | -             |
| 2342                                   | Brassieres and allied garments            | 139.66                  | 147.85       | 144.32       | 148.82        | -             | 4.06                    | 4.13         | 4.36         | 4.39          | -             |
| 236                                    | Children's outerwear                      | 139.08                  | 138.24       | 150.79       | 150.42        | -             | 3.80                    | 3.84         | 4.12         | 4.19          | -             |
| 2361                                   | Children's dresses and blouses            | 140.62                  | 133.60       | 147.74       | 147.55        | -             | 3.77                    | 3.85         | 4.07         | 4.18          | -             |
| 238                                    | Misc. apparel and accessories             | 149.65                  | 149.65       | 161.37       | 161.19        | -             | 4.10                    | 4.10         | 4.47         | 4.49          | -             |
| 239                                    | Misc. fabricated textile products         | 186.52                  | 178.89       | 183.65       | 177.49        | -             | 4.87                    | 4.72         | 4.95         | 4.81          | -             |
| 2391                                   | Curtains and draperies                    | 136.16                  | 140.62       | 146.97       | 141.75        | -             | 3.71                    | 3.77         | 4.06         | 4.05          | -             |
| 2392                                   | House furnishing, nec                     | 162.21                  | 163.77       | 165.99       | 163.07        | -             | 4.17                    | 4.21         | 4.45         | 4.48          | -             |
| 2396                                   | Automotive and apparel trimmings          | 308.83                  | 278.63       | 293.96       | 297.01        | -             | 7.98                    | 7.45         | 7.86         | 7.37          | -             |
| 26                                     | <b>PAPER AND ALLIED PRODUCTS</b>          | 305.15                  | 308.42       | 324.84       | 331.17        | 333.56        | 7.18                    | 7.24         | 7.79         | 7.98          | 7.98          |
| 261, 26                                | Paper and pulp mills                      | 376.52                  | 378.45       | 396.46       | 411.50        | -             | 8.33                    | 8.41         | 8.99         | 9.31          | -             |
| 262                                    | Paper mills, except building paper        | 379.02                  | 380.91       | 396.94       | 412.58        | -             | 8.33                    | 8.39         | 8.90         | 9.23          | -             |
| 263                                    | Paperboard mills                          | 367.60                  | 366.34       | 402.81       | 417.63        | -             | 8.47                    | 8.48         | 9.26         | 9.47          | -             |
| 264                                    | Misc. converted paper products            | 259.97                  | 262.86       | 275.89       | 276.01        | -             | 6.31                    | 6.38         | 6.88         | 6.97          | -             |
| 2641                                   | Paper coating and glazing                 | 309.06                  | 310.64       | 315.74       | 298.29        | -             | 7.04                    | 7.06         | 7.59         | 7.59          | -             |
| 2642                                   | Envelopes                                 | 234.77                  | 233.20       | 245.46       | 245.16        | -             | 5.84                    | 5.83         | 6.23         | 6.27          | -             |
| 2643                                   | Bags, except textile bags                 | 249.60                  | 250.88       | 261.70       | 271.73        | -             | 6.00                    | 6.06         | 6.51         | 6.66          | -             |
| 265                                    | Paperboard containers and boxes           | 261.76                  | 268.09       | 278.47       | 277.80        | -             | 6.40                    | 6.46         | 6.91         | 6.98          | -             |
| 2651                                   | Folding paperboard boxes                  | 267.08                  | 272.24       | 288.97       | 294.28        | -             | 6.53                    | 6.56         | 7.10         | 7.16          | -             |
| 2653                                   | Corrugated and solid fiber boxes          | 275.37                  | 283.82       | 287.43       | 287.43        | -             | 6.70                    | 6.79         | 7.15         | 7.24          | -             |
| 2654                                   | Sanitary food containers                  | 247.28                  | 253.80       | 273.65       | 262.02        | -             | 5.93                    | 6.00         | 6.61         | 6.60          | -             |
| 27                                     | <b>PRINTING AND PUBLISHING</b>            | 259.56                  | 264.54       | 273.78       | 277.47        | 283.07        | 6.94                    | 6.98         | 7.46         | 7.54          | 7.63          |
| 271                                    | Newspapers                                | 251.03                  | 252.62       | 256.46       | 256.46        | -             | 7.34                    | 7.28         | 7.61         | 7.61          | -             |
| 272                                    | Periodicals                               | 241.70                  | 240.48       | 259.15       | 262.09        | -             | 6.48                    | 6.43         | 7.10         | 7.22          | -             |
| 273                                    | Books                                     | 241.80                  | 247.04       | 245.68       | 257.80        | -             | 6.20                    | 6.27         | 6.64         | 6.82          | -             |
| 2731                                   | Book publishing                           | 232.25                  | 237.20       | 238.82       | 252.50        | -             | 5.85                    | 5.93         | 6.42         | 6.61          | -             |
| 2732                                   | Book printing                             | 250.97                  | 256.74       | 253.13       | 262.59        | -             | 6.57                    | 6.60         | 6.86         | 7.04          | -             |
| 274                                    | Miscellaneous publishing                  | 212.40                  | 225.22       | 239.15       | 240.64        | -             | 6.00                    | 5.99         | 6.57         | 6.40          | -             |
| 275                                    | Commercial printing                       | 276.05                  | 283.53       | 293.71       | 298.17        | -             | 7.17                    | 7.27         | 7.77         | 7.93          | -             |
| 2751                                   | Commercial printing, letterpress          | 254.39                  | 262.57       | 274.88       | 276.77        | -             | 6.73                    | 6.82         | 7.33         | 7.44          | -             |
| 2752                                   | Commercial printing, lithographic         | 286.65                  | 294.71       | 299.38       | 307.37        | -             | 7.35                    | 7.48         | 7.92         | 8.11          | -             |
| 276                                    | Manifold business forms                   | 274.44                  | 276.48       | 292.33       | 292.07        | -             | 6.71                    | 6.76         | 7.29         | 7.32          | -             |
| 276                                    | Blankbooks and bookbinding                | 201.17                  | 202.90       | 220.80       | 225.43        | -             | 5.28                    | 5.27         | 5.75         | 5.81          | -             |
| 279                                    | Printing trade services                   | 335.77                  | 345.47       | 353.06       | 355.30        | -             | 8.93                    | 9.02         | 9.44         | 9.50          | -             |
| 28                                     | <b>CHEMICALS AND ALLIED PRODUCTS</b>      | 317.34                  | 320.19       | 339.49       | 339.85        | 343.15        | 7.61                    | 7.66         | 8.24         | 8.35          | 8.39          |
| 281                                    | Industrial inorganic chemicals            | 346.94                  | 348.61       | 370.05       | 374.51        | -             | 8.30                    | 8.36         | 8.96         | 9.09          | -             |
| 2819                                   | Industrial inorganic chemicals, nec       | 346.11                  | 349.42       | 368.92       | 376.28        | -             | 8.34                    | 8.44         | 9.02         | 9.20          | -             |
| 282                                    | Plastics materials and synthetics         | 315.66                  | 314.75       | 332.10       | 335.30        | -             | 7.48                    | 7.53         | 8.20         | 8.32          | -             |
| 2821                                   | Plastics materials and resins             | 345.98                  | 346.50       | 364.49       | 370.55        | -             | 8.16                    | 8.25         | 8.89         | 9.06          | -             |
| 2824                                   | Organic fibers, noncellulosic             | 293.02                  | 290.50       | 306.46       | 308.07        | -             | 6.96                    | 7.00         | 7.70         | 7.76          | -             |
| 283                                    | Drugs                                     | 280.98                  | 284.95       | 314.77       | 310.31        | -             | 6.87                    | 6.95         | 7.64         | 7.70          | -             |
| 2834                                   | Pharmaceutical preparations               | 272.30                  | 273.36       | 299.22       | 293.83        | -             | 6.74                    | 6.80         | 7.37         | 7.42          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued**

| 1972<br>SIC<br>Code                       | Industry                               | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---|--|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|   |  | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| <b>TEXTILE MILL PRODUCTS—Continued</b>    |  |                      |              |              |               |               |                        |              |              |               |               |
| 2251                                      | Women's hosiery, except socks          | 38.3                 | 39.2         | 36.3         | 36.0          | -             | 3.1                    | 3.7          | 1.7          | 1.2           | -             |
| 2252                                      | Hosiery, nec                           | 37.7                 | 37.8         | 37.2         | 36.1          | -             | 2.3                    | 2.2          | 1.8          | 1.6           | -             |
| 2253                                      | Knit outerwear mills                   | 37.4                 | 38.1         | 38.8         | 37.8          | -             | 1.8                    | 2.3          | 2.4          | 2.3           | -             |
| 2254                                      | Knit underwear mills                   | 37.4                 | 35.5         | 36.7         | 37.2          | -             | 1.0                    | 1.1          | 1.4          | 1.3           | -             |
| 2257                                      | Circular knit fabric mills             | 39.7                 | 40.7         | 41.0         | 39.7          | -             | 3.9                    | 3.9          | 4.0          | 3.5           | -             |
| 226                                       | Textile finishing, except wool         | 39.9                 | 41.0         | 40.8         | 38.4          | -             | 2.7                    | 3.4          | 3.3          | 2.0           | -             |
| 2261                                      | Finishing plants, cotton               | 39.8                 | 41.3         | 41.2         | 39.1          | -             | 2.9                    | 3.1          | 3.1          | 1.9           | -             |
| 2262                                      | Finishing plants, synthetics           | 40.0                 | 41.1         | 41.0         | 38.3          | -             | 2.6                    | 4.1          | 3.8          | 2.3           | -             |
| 227                                       | Floor covering mills                   | 40.6                 | 42.2         | 38.9         | 38.4          | -             | 4.4                    | 5.0          | 2.6          | 2.4           | -             |
| 228                                       | Yarn and thread mills                  | 40.0                 | 40.5         | 39.4         | 38.6          | -             | 3.1                    | 3.6          | 3.0          | 2.6           | -             |
| 2281                                      | Yarn mills, except wool                | 40.3                 | 40.8         | 40.0         | 39.0          | -             | 3.3                    | 3.8          | 3.1          | 2.9           | -             |
| 2282                                      | Throwing and winding mills             | 39.2                 | 39.7         | 37.7         | 37.3          | -             | 2.9                    | 3.4          | 3.2          | 2.1           | -             |
| 229                                       | Miscellaneous textile goods            | 40.0                 | 40.8         | 40.2         | 39.4          | -             | 2.6                    | 3.5          | 2.4          | 2.2           | -             |
| <b>APPAREL AND OTHER TEXTILE PRODUCTS</b> |  |                      |              |              |               |               |                        |              |              |               |               |
| 23  | Men's and boys' suits and coats        | 35.5                 | 35.6         | 35.6         | 35.3          | 35.5          | .9                     | 1.1          | 1.0          | .8            | -             |
| 231                                       | Men's and boys' suits and coats        | 35.9                 | 35.7         | 36.6         | 37.8          | -             | .4                     | .6           | .8           | .8            | -             |
| 232                                       | Men's and boys' furnishings            | 35.9                 | 36.4         | 36.7         | 36.2          | -             | .8                     | 1.1          | 1.2          | .8            | -             |
| 2321                                      | Men's and boys' shirts and nightwear   | 36.6                 | 36.9         | 36.8         | 35.6          | -             | .8                     | 1.1          | 1.3          | .8            | -             |
| 2327                                      | Men's and boys' separate trousers      | 34.7                 | 35.5         | 35.9         | 35.2          | -             | .7                     | 1.1          | .8           | .6            | -             |
| 2328                                      | Men's and boys' work clothing          | 37.2                 | 37.2         | 37.3         | 37.2          | -             | 1.0                    | 1.2          | 1.5          | 1.1           | -             |
| 233                                       | Women's and misses' outerwear          | 33.6                 | 33.5         | 33.5         | 33.4          | -             | .7                     | .9           | .8           | .6            | -             |
| 2331                                      | Women's and misses' blouses and waists | 35.4                 | 33.9         | 34.3         | 35.2          | -             | .7                     | .7           | .8           | .6            | -             |
| 2335                                      | Women's and misses' dresses            | 31.7                 | 32.1         | 31.8         | 31.2          | -             | .7                     | .9           | .8           | .6            | -             |
| 2337                                      | Women's and misses' suits and coats    | 34.1                 | 34.6         | 34.1         | 34.8          | -             | .8                     | 1.2          | .9           | 1.0           | -             |
| 2339                                      | Women's and misses' outerwear, nec     | 34.7                 | 34.6         | 34.7         | 34.3          | -             | .8                     | .9           | .9           | .6            | -             |
| 234                                       | Women's and children's undergarments   | 35.1                 | 36.8         | 36.1         | 35.3          | -             | .7                     | 1.5          | 1.1          | .8            | -             |
| 2341                                      | Women's and children's underwear       | 35.3                 | 37.0         | 36.8         | 35.6          | -             | .8                     | 1.5          | 1.2          | .9            | -             |
| 2342                                      | Brasieres and allied garments          | 34.4                 | 35.8         | 33.1         | 33.9          | -             | .5                     | 1.3          | .6           | .4            | -             |
| 236                                       | Children's outerwear                   | 36.6                 | 36.0         | 36.6         | 35.9          | -             | 1.1                    | 1.7          | 1.1          | .9            | -             |
| 2361                                      | Children's dresses and blouses         | 37.3                 | 34.7         | 36.3         | 35.3          | -             | 1.6                    | 1.0          | .9           | 1.2           | -             |
| 238                                       | Misc. apparel and accessories          | 36.5                 | 36.5         | 36.1         | 35.9          | -             | .6                     | 1.1          | 1.0          | .6            | -             |
| 239                                       | Misc. fabricated textile products      | 38.3                 | 37.9         | 37.1         | 36.9          | -             | 1.9                    | 1.6          | 1.3          | .9            | -             |
| 2391                                      | Curtains and draperies                 | 36.7                 | 37.3         | 36.2         | 35.0          | -             | .6                     | 1.1          | 1.1          | .2            | -             |
| 2392                                      | House furnishings, nec                 | 38.9                 | 38.9         | 37.3         | 36.4          | -             | 2.2                    | 2.1          | 1.5          | 1.1           | -             |
| 2396                                      | Automotive and apparel trimmings       | 38.7                 | 37.4         | 37.4         | 40.3          | -             | 2.8                    | 1.5          | .9           | .9            | -             |
| <b>PAPER AND ALLIED PRODUCTS</b>          |  |                      |              |              |               |               |                        |              |              |               |               |
| 26  | Paper and pulp mills                   | 42.5                 | 42.6         | 41.7         | 41.5          | 41.8          | 4.9                    | 5.0          | 3.8          | 4.3           | -             |
| 261, 2, 6                                 | Paper and pulp mills                   | 45.2                 | 45.0         | 44.1         | 44.2          | -             | 7.0                    | 6.8          | 5.9          | 7.0           | -             |
| 262                                       | Paper mills, except building paper     | 45.5                 | 45.4         | 44.6         | 44.7          | -             | 7.0                    | 6.9          | 6.0          | 7.1           | -             |
| 263                                       | Paperboard mills                       | 43.4                 | 43.2         | 43.5         | 44.1          | -             | 7.2                    | 6.9          | 6.8          | 7.3           | -             |
| 264                                       | Misc. converted paper products         | 41.2                 | 41.2         | 40.1         | 39.6          | -             | 3.5                    | 3.7          | 2.6          | 2.5           | -             |
| 2641                                      | Paper coating and glazing              | 43.9                 | 44.0         | 41.6         | 39.3          | -             | 5.0                    | 5.1          | 2.9          | 2.6           | -             |
| 2642                                      | Envelopes                              | 40.2                 | 40.0         | 39.4         | 39.1          | -             | 2.7                    | 3.1          | 2.2          | 1.6           | -             |
| 2643                                      | Bags, except textile bags              | 41.6                 | 41.4         | 40.2         | 40.8          | -             | 3.6                    | 3.5          | 2.4          | 2.7           | -             |
| 265                                       | Paperboard containers and boxes        | 40.9                 | 41.5         | 40.3         | 39.8          | -             | 3.5                    | 4.0          | 1.9          | 2.3           | -             |
| 2651                                      | Folding paperboard boxes               | 40.9                 | 41.5         | 40.7         | 41.1          | -             | 3.4                    | 3.8          | 3.1          | 3.7           | -             |
| 2653                                      | Corrugated and solid fiber boxes       | 41.1                 | 41.8         | 40.2         | 39.7          | -             | 4.1                    | 4.5          | 1.1          | 1.7           | -             |
| 2654                                      | Sanitary food containers               | 41.7                 | 42.3         | 41.4         | 39.7          | -             | 3.3                    | 3.5          | 2.6          | 3.1           | -             |
| <b>PRINTING AND PUBLISHING</b>            |  |                      |              |              |               |               |                        |              |              |               |               |
| 27  | Printing and publishing                | 37.4                 | 37.9         | 36.7         | 36.8          | 37.1          | 2.6                    | 3.0          | 2.1          | 2.2           | -             |
| 271                                       | Newspapers                             | 34.2                 | 34.7         | 33.7         | 33.7          | -             | 1.8                    | 2.0          | 1.6          | 1.4           | -             |
| 272                                       | Periodicals                            | 37.3                 | 37.4         | 36.5         | 36.3          | -             | 1.6                    | 2.1          | 2.4          | 2.2           | -             |
| 273                                       | Books                                  | 39.0                 | 39.4         | 37.0         | 37.8          | -             | 3.3                    | 3.8          | 1.7          | 2.1           | -             |
| 2731                                      | Book publishing                        | 39.7                 | 40.0         | 37.2         | 38.2          | -             | 2.3                    | 2.7          | .7           | 1.0           | -             |
| 2732                                      | Book printing                          | 38.2                 | 38.9         | 36.9         | 37.3          | -             | 4.4                    | 4.8          | 2.7          | 3.3           | -             |
| 274                                       | Miscellaneous publishing               | 35.4                 | 37.6         | 36.4         | 37.6          | -             | 1.6                    | 2.2          | 1.5          | 2.2           | -             |
| 275                                       | Commercial printing                    | 38.5                 | 39.0         | 37.8         | 37.6          | -             | 3.0                    | 3.6          | 2.4          | 2.5           | -             |
| 2751                                      | Commercial printing, letterpress       | 37.8                 | 38.5         | 37.5         | 37.2          | -             | 2.6                    | 3.1          | 2.0          | 2.1           | -             |
| 2752                                      | Commercial printing, lithographic      | 39.0                 | 39.4         | 37.8         | 37.9          | -             | 3.1                    | 3.9          | 2.6          | 2.8           | -             |
| 276                                       | Manifold business forms                | 40.9                 | 40.9         | 40.1         | 39.9          | -             | 3.5                    | 3.4          | 2.3          | 2.9           | -             |
| 278                                       | Blank books and bookbinding            | 38.1                 | 38.5         | 38.4         | 38.8          | -             | 2.0                    | 2.1          | 1.7          | 1.9           | -             |
| 279                                       | Printing trade service                 | 37.6                 | 38.3         | 37.4         | 37.4          | -             | 3.5                    | 4.1          | 3.1          | 3.5           | -             |
| <b>CHEMICALS AND ALLIED PRODUCTS</b>      |  |                      |              |              |               |               |                        |              |              |               |               |
| 28  | Chemicals and allied products          | 41.7                 | 41.8         | 41.2         | 40.7          | 40.9          | 3.5                    | 3.5          | 2.8          | 2.8           | -             |
| 281                                       | Industrial inorganic chemicals         | 41.8                 | 41.7         | 41.3         | 41.2          | -             | 3.9                    | 3.7          | 3.0          | 2.9           | -             |
| 2819                                      | Industrial inorganic chemicals, nec    | 41.5                 | 41.4         | 40.9         | 40.9          | -             | 3.4                    | 3.4          | 2.7          | 3.0           | -             |
| 282                                       | Plastics materials and synthetics      | 42.2                 | 41.8         | 40.5         | 40.3          | -             | 3.5                    | 3.4          | 2.2          | 2.5           | -             |
| 2821                                      | Plastics materials and resins          | 42.4                 | 42.0         | 41.0         | 40.9          | -             | 4.3                    | 4.2          | 2.6          | 3.1           | -             |
| 2824                                      | Organic fibers, noncellulosic          | 42.1                 | 41.5         | 39.8         | 39.7          | -             | 3.0                    | 2.7          | 1.5          | 1.8           | -             |
| 283                                       | Drugs                                  | 40.9                 | 41.0         | 41.2         | 40.3          | -             | 2.4                    | 2.4          | 3.0          | 2.9           | -             |
| 2834                                      | Pharmaceutical preparations            | 40.4                 | 40.2         | 40.6         | 39.6          | -             | 2.3                    | 2.3          | 3.1          | 2.9           | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

| 1972<br>SIC<br>Code                                   | Industry  | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|---|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|   |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
| <b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>           |   |                         |              |              |               |               |                         |              |              |               |               |
| 284   | Soap, cleaners, and toilet goods .....                              | \$288.23                | \$295.10     | \$303.00     | \$304.04      | -             | \$7.17                  | \$7.18       | \$7.50       | \$7.62        | -             |
| 2841  | Soap and other detergents .....                                     | 407.30                  | 420.85       | 419.99       | 434.45        | -             | 9.45                    | 9.50         | 9.79         | 10.08         | -             |
| 2844  | Toilet preparations .....   | 218.69                  | 223.26       | 233.84       | 232.76        | -             | 5.71                    | 5.71         | 5.95         | 6.03          | -             |
| 2842, 3   | Polishing, sanitation, and finishing preparations .....             | 257.51                  | 262.85       | 274.56       | 272.26        | -             | 6.47                    | 6.49         | 7.04         | 7.09          | -             |
| 286   | Paints and allied products .....                                    | 284.81                  | 281.11       | 292.33       | 290.33        | -             | 6.83                    | 6.79         | 7.29         | 7.35          | -             |
| 286   | Industrial organic chemicals .....                                  | 392.77                  | 394.94       | 407.35       | 405.46        | -             | 9.05                    | 9.10         | 9.63         | 9.70          | -             |
| 2865  | Cyclic crudes and intermediates .....                               | 366.96                  | 367.16       | 363.44       | 364.62        | -             | 8.34                    | 8.46         | 8.80         | 8.85          | -             |
| 2861, 9   | Gum, wood, and industrial organic chemicals,<br>nec .....           | 402.19                  | 404.92       | 423.16       | 419.16        | -             | 9.31                    | 9.33         | 9.91         | 9.98          | -             |
| 287   | Agricultural chemicals .....  | 307.13                  | 315.67       | 350.24       | 353.58        | -             | 7.33                    | 7.41         | 8.07         | 8.30          | -             |
| 289   | Miscellaneous chemical products .....                               | 292.52                  | 294.06       | 313.84       | 312.80        | -             | 7.10                    | 7.12         | 7.73         | 7.82          | -             |
| <b>PETROLEUM AND COAL PRODUCTS</b>                    |   |                         |              |              |               |               |                         |              |              |               |               |
| 29  | Petroleum refining .....  | 413.66                  | 407.22       | 432.31       | 441.70        | \$436.54      | 9.38                    | 9.34         | 10.22        | 10.32         | \$10.32       |
| 291   | Petroleum refining .....  | 442.10                  | 434.16       | 465.04       | 475.58        | -             | 10.14                   | 10.05        | 11.02        | 11.06         | -             |
| 296   | Paving and roofing materials .....                                  | 338.11                  | 339.02       | 329.08       | 335.98        | -             | 7.24                    | 7.37         | 7.60         | 7.85          | -             |
| <b>RUBBER AND MISC. PLASTICS PRODUCTS</b>             |   |                         |              |              |               |               |                         |              |              |               |               |
| 30  | Tires and inner tubes .....   | 239.19                  | 237.60       | 251.13       | 252.20        | 262.40        | 5.95                    | 5.94         | 6.39         | 6.50          | 6.56          |
| 301   | Rubber and plastics footwear .....                                  | 346.86                  | 347.49       | 367.65       | 372.71        | -             | 8.46                    | 8.58         | 9.50         | 9.86          | -             |
| 302   | Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 155.39                  | 157.08       | 182.21       | 187.04        | -             | 4.10                    | 4.08         | 4.38         | 4.37          | -             |
| 303, 4  | Fabricated rubber products, nec .....                               | 247.05                  | 256.67       | 284.69       | 290.19        | -             | 6.10                    | 6.17         | 6.86         | 7.13          | -             |
| 306   | Miscellaneous plastics products .....                               | 226.91                  | 230.62       | 240.01       | 234.87        | -             | 5.73                    | 5.78         | 6.17         | 6.23          | -             |
| 307   | Miscellaneous plastics products .....                               | 221.50                  | 218.80       | 232.66       | 233.40        | -             | 5.51                    | 5.47         | 5.92         | 6.00          | -             |
| <b>LEATHER AND LEATHER PRODUCTS</b>                   |   |                         |              |              |               |               |                         |              |              |               |               |
| 31  | Leather tanning and finishing .....                                 | 154.24                  | 154.09       | 169.80       | 164.62        | 167.81        | 4.18                    | 4.21         | 4.54         | 4.56          | 4.56          |
| 311   | Footwear, except rubber .....                                       | 203.87                  | 213.56       | 245.84       | 232.05        | -             | 5.51                    | 5.62         | 6.07         | 5.95          | -             |
| 314   | Men's footwear, except athletic .....                               | 150.26                  | 148.47       | 164.63       | 159.43        | -             | 4.05                    | 4.09         | 4.39         | 4.38          | -             |
| 3143  | Women's footwear, except athletic .....                             | 157.78                  | 158.84       | 175.18       | 167.80        | -             | 4.23                    | 4.27         | 4.61         | 4.61          | -             |
| 3144  | Luggage .....   | 145.10                  | 140.34       | 157.62       | 153.61        | -             | 3.89                    | 3.92         | 4.26         | 4.22          | -             |
| 316   | Handbags and personal leather goods .....                           | 153.79                  | 160.00       | 181.54       | 195.32        | -             | 4.32                    | 4.42         | 4.88         | 5.14          | -             |
| 317   | Handbags and personal leather goods .....                           | 147.20                  | 151.53       | 155.86       | 140.62        | -             | 4.00                    | 4.03         | 4.27         | 4.34          | -             |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b>            |   |                         |              |              |               |               |                         |              |              |               |               |
| <b>RAILROAD TRANSPORTATION:</b>                       |   |                         |              |              |               |               |                         |              |              |               |               |
| 4011  | Class I railroads <sup>1</sup> .....                                | 327.60                  | 334.89       | 346.50       | 352.32        | 355.29        | 8.19                    | 8.31         | 8.75         | 8.83          | 8.86          |
| <b>LOCAL AND INTERURBAN PASSENGER TRANSPORTATION:</b> |   |                         |              |              |               |               |                         |              |              |               |               |
| 41  | Local and suburban transportation .....                             | 236.50                  | 236.25       | 220.11       | 247.60        | -             | 6.29                    | 6.30         | 6.38         | 6.71          | -             |
| 411   | Intercity highway transportation .....                              | 295.24                  | 289.05       | 275.80       | 280.99        | -             | 7.08                    | 7.05         | 7.00         | 7.06          | -             |
| 413   | Public warehousing .....  | 366.43                  | 357.19       | 353.78       | 378.67        | -             | 9.07                    | 9.02         | 9.80         | 10.29         | -             |
| <b>TRUCKING AND WAREHOUSING</b>                       |   |                         |              |              |               |               |                         |              |              |               |               |
| 42  | Trucking and trucking terminals .....                               | 333.88                  | 338.08       | 359.60       | 356.07        | -             | 8.41                    | 8.41         | 9.15         | 9.13          | -             |
| 421, 3  | Public warehousing .....  | 341.09                  | 345.37       | 367.60       | 363.09        | -             | 8.57                    | 8.57         | 9.33         | 9.31          | -             |
| 422   | Public warehousing .....  | 230.44                  | 230.62       | 249.45       | 254.26        | -             | 5.97                    | 5.99         | 6.53         | 6.57          | -             |
| <b>PIPE LINES, EXCEPT NATURAL GAS</b>                 |   |                         |              |              |               |               |                         |              |              |               |               |
| 46  | Telephone communication .....                                       | 388.63                  | 395.93       | 431.32       | 425.54        | -             | 9.41                    | 9.36         | 10.52        | 10.06         | -             |
| <b>COMMUNICATION</b>                                  |   |                         |              |              |               |               |                         |              |              |               |               |
| 48  | Switchboard operating employees <sup>2</sup> .....                  | 301.25                  | 328.84       | 329.08       | 336.10        | -             | 7.55                    | 8.18         | 8.31         | 8.34          | -             |
| 4817  | Line construction employees <sup>3</sup> .....                      | 309.91                  | 343.48       | 338.75       | 346.36        | -             | 7.69                    | 8.46         | 8.49         | 8.51          | -             |
| 4818  | Radio and television broadcasting .....                             | 216.92                  | 231.74       | 224.53       | (*)           | -             | 6.38                    | 6.98         | 6.93         | (*)           | -             |
| 483   | Radio and television broadcasting .....                             | 416.22                  | 475.64       | 439.49       | (*)           | -             | 9.27                    | 10.34        | 10.08        | (*)           | -             |
| 483   | Radio and television broadcasting .....                             | 262.74                  | 265.80       | 280.04       | 283.06        | -             | 6.86                    | 6.94         | 7.35         | 7.41          | -             |
| <b>ELECTRIC, GAS, AND SANITARY SERVICES</b>           |   |                         |              |              |               |               |                         |              |              |               |               |
| 49  | Electric services .....   | 340.31                  | 342.37       | 366.54       | 377.27        | -             | 8.24                    | 8.23         | 8.79         | 8.94          | -             |
| 491   | Gas production and distribution .....                               | 347.78                  | 350.28       | 383.35       | 402.86        | -             | 8.34                    | 8.36         | 9.02         | 9.24          | -             |
| 492   | Combination utility services .....                                  | 307.09                  | 307.34       | 334.54       | 332.51        | -             | 7.62                    | 7.57         | 8.24         | 8.19          | -             |
| 493   | Sanitary services .....   | 378.56                  | 378.71       | 388.40       | 400.48        | -             | 9.10                    | 9.06         | 9.45         | 9.65          | -             |
| 496   | Sanitary services .....   | 279.86                  | 282.24       | 290.65       | 287.41        | -             | 6.76                    | 6.72         | 6.97         | 7.01          | -             |
| <b>WHOLESALE AND RETAIL TRADE</b>                     |   |                         |              |              |               |               |                         |              |              |               |               |
| -   | Wholesale trade .....   | 168.17                  | 167.99       | 175.39       | 177.45        | 178.00        | 5.05                    | 5.06         | 5.43         | 5.44          | 5.46          |
| 50, 51  | Wholesale trade .....   | 249.60                  | 250.38       | 265.49       | 266.64        | 266.64        | 6.40                    | 6.42         | 6.95         | 6.98          | 6.98          |
| <b>WHOLESALE TRADE-DURABLE GOODS</b>                  |   |                         |              |              |               |               |                         |              |              |               |               |
| 80  | Motor vehicles and automotive equipment .....                       | 251.37                  | 252.80       | 268.80       | 269.66        | -             | 6.38                    | 6.40         | 6.91         | 6.95          | -             |
| 501   | Furniture and home furnishings .....                                | 230.27                  | 231.04       | 245.63       | 246.79        | -             | 5.95                    | 5.97         | 6.38         | 6.41          | -             |
| 502   | Lumber and construction materials .....                             | 227.24                  | 227.46       | 237.75       | 236.70        | -             | 5.98                    | 5.97         | 6.34         | 6.38          | -             |
| 503   | Sporting goods, toys, and hobby goods .....                         | 255.12                  | 256.07       | 271.36       | 273.41        | -             | 6.41                    | 6.45         | 7.03         | 7.12          | -             |
| 504   | Sporting goods, toys, and hobby goods .....                         | 240.75                  | 244.94       | 267.41       | 270.38        | -             | 6.42                    | 6.48         | 7.15         | 7.21          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued**

| 1972<br>SIC<br>Code | Industry  | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>                         |                      |              |              |               |               |                        |              |              |               |               |
| 284                 | Soap, cleaners, and toilet goods .....                              | 40.2                 | 41.1         | 40.4         | 39.9          | -             | 2.8                    | 3.0          | 2.5          | 2.6           | -             |
| 2841                | Soap and other detergents .....                                     | 43.1                 | 44.3         | 42.9         | 43.1          | -             | 5.0                    | 5.1          | 4.3          | 4.4           | -             |
| 2844                | Toilet preparations .....   | 38.3                 | 39.1         | 39.3         | 38.6          | -             | 1.4                    | 1.7          | 1.8          | 2.2           | -             |
| 2842, 3             | Polishing, sanitation, and finishing preparations .....             | 39.8                 | 40.5         | 39.0         | 38.4          | -             | 2.5                    | 2.8          | 1.4          | 1.3           | -             |
| 285                 | Paints and allied products .....                                    | 41.7                 | 41.4         | 40.1         | 39.5          | -             | 3.4                    | 3.2          | 2.0          | 2.0           | -             |
| 286                 | Industrial organic chemicals .....                                  | 43.4                 | 43.4         | 42.3         | 41.8          | -             | 4.4                    | 4.6          | 2.9          | 3.0           | -             |
| 2865                | Cyclic crudes and intermediates .....                               | 44.0                 | 43.4         | 41.3         | 41.2          | -             | 4.5                    | 4.5          | 2.5          | 2.2           | -             |
| 2861, 9             | Gum, wood, and industrial organic chemicals,<br>nec .....           | 43.2                 | 43.4         | 42.7         | 42.0          | -             | 4.4                    | 4.6          | 3.1          | 3.3           | -             |
| 287                 | Agricultural chemicals .....  | 41.9                 | 42.6         | 43.4         | 42.6          | -             | 4.3                    | 4.7          | 5.0          | 4.5           | -             |
| 289                 | Miscellaneous chemical products .....                               | 41.2                 | 41.3         | 40.6         | 40.0          | -             | 3.1                    | 3.7          | 2.5          | 2.5           | -             |
| 29                  | <b>PETROLEUM AND COAL PRODUCTS</b> .....                            | 44.1                 | 43.6         | 42.3         | 42.8          | 42.3          | 4.5                    | 4.4          | 3.0          | 3.5           | -             |
| 291                 | Petroleum refining .....  | 43.6                 | 43.2         | 42.2         | 43.0          | -             | 3.7                    | 3.6          | 2.6          | 3.0           | -             |
| 295                 | Paving and roofing materials .....                                  | 46.7                 | 46.0         | 43.3         | 42.8          | -             | 8.1                    | 7.9          | 5.3          | 6.0           | -             |
| 30                  | <b>RUBBER AND MISC. PLASTICS PRODUCTS</b> .....                     | 40.2                 | 40.0         | 39.3         | 38.8          | 40.0          | 3.0                    | 3.1          | 2.1          | 2.1           | -             |
| 301                 | Tires and inner tubes .....   | 41.0                 | 40.5         | 38.7         | 37.8          | -             | 3.7                    | 3.5          | 1.1          | 1.6           | -             |
| 302                 | Rubber and plastics footwear .....                                  | 37.9                 | 38.5         | 41.6         | 42.8          | -             | 1.4                    | 2.4          | 2.8          | 3.3           | -             |
| 303, 4              | Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 40.5                 | 41.6         | 41.5         | 40.7          | -             | 4.2                    | 4.2          | 1.5          | 1.7           | -             |
| 306                 | Fabricated rubber products, nec .....                               | 39.6                 | 39.9         | 38.9         | 37.7          | -             | 2.5                    | 2.7          | 2.0          | 1.8           | -             |
| 307                 | Miscellaneous plastics products .....                               | 40.2                 | 40.0         | 39.3         | 38.9          | -             | 3.0                    | 3.2          | 2.4          | 2.3           | -             |
| 31                  | <b>LEATHER AND LEATHER PRODUCTS</b> .....                           | 36.9                 | 36.6         | 37.4         | 36.1          | 36.8          | 1.4                    | 1.5          | 1.6          | 1.2           | -             |
| 311                 | Leather tanning and finishing .....                                 | 37.0                 | 38.0         | 40.5         | 39.0          | -             | 1.8                    | 2.1          | 3.0          | 2.1           | -             |
| 314                 | Footwear, except rubber .....                                       | 37.1                 | 36.3         | 37.5         | 36.4          | -             | 1.4                    | 1.5          | 1.5          | 1.0           | -             |
| 3143                | Men's footwear, except athletic .....                               | 37.3                 | 37.2         | 38.0         | 36.4          | -             | .9                     | 1.4          | 1.2          | .7            | -             |
| 3144                | Women's footwear, except athletic .....                             | 37.3                 | 35.8         | 37.0         | 36.4          | -             | 2.1                    | 1.7          | 1.8          | 1.4           | -             |
| 316                 | Luggage .....   | 35.6                 | 36.2         | 37.2         | 38.0          | -             | .9                     | .6           | 2.4          | 3.4           | -             |
| 317                 | Handbags and personal leather goods .....                           | 36.8                 | 37.6         | 36.5         | 32.4          | -             | 1.7                    | 2.1          | 1.5          | 1.1           | -             |
|                     | <b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....                    | 40.0                 | 40.3         | 39.6         | 39.9          | 40.1          |                        |              |              |               |               |
|                     | <b>RAILROAD TRANSPORTATION:</b>                                     |                      |              |              |               |               |                        |              |              |               |               |
| 4011                | Class I railroads <sup>2</sup> .....                                | 44.1                 | 44.5         | 43.4         | (*)           | -             |                        |              |              |               |               |
| 41                  | <b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b> .....                 | 37.6                 | 37.5         | 34.5         | 36.9          | -             | -                      | -            | -            | -             | -             |
| 411                 | Local and suburban transportation .....                             | 41.7                 | 41.0         | 39.4         | 39.8          | -             | -                      | -            | -            | -             | -             |
| 413                 | Intercity highway transportation .....                              | 40.4                 | 39.6         | 36.1         | 36.8          | -             | -                      | -            | -            | -             | -             |
| 42                  | <b>TRUCKING AND WAREHOUSING</b> .....                               | 39.7                 | 40.2         | 39.3         | 39.0          | -             | -                      | -            | -            | -             | -             |
| 421, 3              | Trucking and trucking terminals .....                               | 39.8                 | 40.3         | 39.4         | 39.0          | -             | -                      | -            | -            | -             | -             |
| 422                 | Public warehousing .....  | 38.6                 | 38.5         | 38.2         | 38.7          | -             | -                      | -            | -            | -             | -             |
| 46                  | <b>PIPE LINES, EXCEPT NATURAL GAS</b> .....                         | 41.3                 | 42.3         | 41.0         | 42.3          | -             | -                      | -            | -            | -             | -             |
| 48                  | <b>COMMUNICATION</b> .....  | 39.9                 | 40.2         | 39.6         | 40.3          | -             | -                      | -            | -            | -             | -             |
| 481                 | Telephone communication .....                                       | 40.3                 | 40.6         | 39.9         | 40.7          | -             | -                      | -            | -            | -             | -             |
| 4817                | Switchboard operating employees <sup>3</sup> .....                  | 34.0                 | 33.2         | 32.4         | (*)           | -             | -                      | -            | -            | -             | -             |
| 4818                | Line construction employees <sup>4</sup> .....                      | 44.9                 | 46.0         | 43.6         | (*)           | -             | -                      | -            | -            | -             | -             |
| 483                 | Radio and television broadcasting .....                             | 38.3                 | 38.3         | 38.1         | 38.2          | -             | -                      | -            | -            | -             | -             |
| 49                  | <b>ELECTRIC, GAS, AND SANITARY SERVICES</b> .....                   | 41.3                 | 41.6         | 41.7         | 42.2          | -             | -                      | -            | -            | -             | -             |
| 491                 | Electric services .....   | 41.7                 | 41.9         | 42.5         | 43.6          | -             | -                      | -            | -            | -             | -             |
| 492                 | Gas production and distribution .....                               | 40.3                 | 40.6         | 40.6         | 40.6          | -             | -                      | -            | -            | -             | -             |
| 493                 | Combination utility services .....                                  | 41.6                 | 41.8         | 41.1         | 41.5          | -             | -                      | -            | -            | -             | -             |
| 495                 | Sanitary services .....   | 41.4                 | 42.0         | 41.7         | 41.0          | -             | -                      | -            | -            | -             | -             |
|                     | <b>WHOLESALE AND RETAIL TRADE</b> .....                             | 33.3                 | 33.2         | 32.3         | 32.5          | 32.6          | -                      | -            | -            | -             | -             |
| 50, 51              | <b>WHOLESALE TRADE</b> .....  | 39.0                 | 39.0         | 38.2         | 38.2          | 38.2          | -                      | -            | -            | -             | -             |
| 50                  | <b>WHOLESALE TRADE-DURABLE GOODS</b> .....                          | 39.4                 | 39.5         | 38.9         | 38.8          | -             | -                      | -            | -            | -             | -             |
| 501                 | Motor vehicles and automotive equipment .....                       | 38.7                 | 38.7         | 38.5         | 38.5          | -             | -                      | -            | -            | -             | -             |
| 502                 | Furniture and home furnishings .....                                | 38.0                 | 38.1         | 37.5         | 37.1          | -             | -                      | -            | -            | -             | -             |
| 503                 | Lumber and construction materials .....                             | 39.8                 | 39.7         | 38.6         | 38.4          | -             | -                      | -            | -            | -             | -             |
| 504                 | Sporting goods, toys, and hobby goods .....                         | 37.5                 | 37.8         | 37.4         | 37.5          | -             | -                      | -            | -            | -             | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

| 1972<br>SIC<br>Code | Industry  | Average weekly earnings |              |              |               |               | Average hourly earnings |              |              |               |               |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979            | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>WHOLESALE TRADE-DURABLE<br/>GOODS—Continued</b>                |                         |              |              |               |               |                         |              |              |               |               |
| 505                 | Metals and minerals, except petroleum .....                       | \$291.80                | \$301.73     | \$321.93     | \$314.67      | -             | \$7.35                  | \$7.45       | \$8.15       | \$8.11        | -             |
| 506                 | Electrical goods .....  | 250.26                  | 253.99       | 277.03       | 278.91        | -             | 6.45                    | 6.58         | 7.14         | 7.17          | -             |
| 507                 | Hardware, plumbing, and heating equipment .....                   | 236.07                  | 235.62       | 253.33       | 252.67        | -             | 6.10                    | 6.12         | 6.58         | 6.58          | -             |
| 508                 | Machinery, equipment, and supplies .....                          | 265.72                  | 265.32       | 281.24       | 281.71        | -             | 6.61                    | 6.60         | 7.12         | 7.15          | -             |
| 509                 | Miscellaneous durable goods .....                                 | 211.77                  | 215.91       | 226.01       | 221.68        | -             | 5.43                    | 5.48         | 5.84         | 5.88          | -             |
| 51                  | <b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....                     | 246.91                  | 246.01       | 260.07       | 262.59        | -             | 6.43                    | 6.44         | 7.01         | 7.04          | -             |
| 511                 | Paper and paper products .....                                    | 272.22                  | 277.09       | 290.18       | 287.20        | -             | 7.52                    | 7.55         | 7.95         | 7.89          | -             |
| 512                 | Drugs, proprietaries, and sundries .....                          | 249.76                  | 246.38       | 274.17       | 274.53        | -             | 6.59                    | 6.57         | 7.43         | 7.36          | -             |
| 513                 | Apparel, piece goods, and notions .....                           | 219.92                  | 219.47       | 231.10       | 229.59        | -             | 5.96                    | 5.98         | 6.28         | 6.29          | -             |
| 514                 | Groceries and related products .....                              | 250.63                  | 247.81       | 245.34       | 254.14        | -             | 6.41                    | 6.42         | 6.95         | 7.04          | -             |
| 516                 | Chemicals and allied products .....                               | 298.50                  | 298.19       | 327.49       | 317.29        | -             | 7.50                    | 7.53         | 8.27         | 8.22          | -             |
| 517                 | Petroleum and petroleum products .....                            | 306.48                  | 305.32       | 343.80       | 342.00        | -             | 7.72                    | 7.71         | 8.66         | 8.55          | -             |
| 518                 | Beer, wine, and distilled beverages .....                         | 277.14                  | 274.54       | 299.46       | 303.75        | -             | 7.45                    | 7.40         | 8.05         | 8.10          | -             |
| 519                 | Miscellaneous nondurable goods .....                              | 200.79                  | 202.22       | 219.07       | 220.03        | -             | 5.27                    | 5.28         | 5.69         | 5.73          | -             |
| 52-59               | <b>RETAIL TRADE</b> .....   | 142.07                  | 141.93       | 146.83       | 149.20        | \$149.69      | 4.51                    | 4.52         | 4.83         | 4.86          | \$4.86        |
| 52                  | <b>BUILDING MATERIALS AND GARDEN<br/>SUPPLIES</b> .....           | 190.85                  | 193.27       | 196.72       | 198.59        | -             | 4.97                    | 5.02         | 5.26         | 5.31          | -             |
| 521                 | Lumber and other building materials .....                         | 209.56                  | 211.70       | 217.72       | 219.13        | -             | 5.20                    | 5.24         | 5.54         | 5.59          | -             |
| 525                 | Hardware stores .....   | 149.39                  | 150.23       | 157.08       | 159.27        | -             | 4.22                    | 4.28         | 4.62         | 4.59          | -             |
| 53                  | <b>GENERAL MERCHANDISE STORES</b> .....                           | 134.33                  | 133.62       | 140.83       | 144.60        | -             | 4.39                    | 4.41         | 4.79         | 4.82          | -             |
| 531                 | Department stores .....   | 139.84                  | 139.38       | 146.41       | 150.40        | -             | 4.57                    | 4.60         | 4.98         | 5.03          | -             |
| 533                 | Variety stores .....  | 110.16                  | 109.44       | 117.02       | 119.17        | -             | 3.60                    | 3.60         | 3.94         | 3.92          | -             |
| 539                 | Misc. general merchandise stores .....                            | 107.01                  | 107.41       | 113.58       | 116.19        | -             | 3.52                    | 3.51         | 3.85         | 3.86          | -             |
| 54                  | <b>FOOD STORES</b> .....  | 185.23                  | 184.28       | 194.93       | 199.94        | -             | 5.63                    | 5.67         | 6.13         | 6.19          | -             |
| 541                 | Grocery stores .....  | 193.47                  | 191.88       | 203.19       | 208.31        | -             | 5.81                    | 5.85         | 6.33         | 6.39          | -             |
| 546                 | Retail bakeries .....   | 132.28                  | 133.02       | 138.44       | 138.11        | -             | 4.38                    | 4.39         | 4.63         | 4.65          | -             |
| 55                  | <b>AUTOMOTIVE DEALERS AND SERVICE<br/>STATIONS</b> .....          | 205.13                  | 205.52       | 212.44       | 215.64        | -             | 5.37                    | 5.38         | 5.65         | 5.72          | -             |
| 551, 2              | New and used car dealers .....                                    | 241.96                  | 245.31       | 253.06       | 256.23        | -             | 6.22                    | 6.29         | 6.59         | 6.69          | -             |
| 553                 | Auto and home supply stores .....                                 | 200.33                  | 199.67       | 210.94       | 216.24        | -             | 4.91                    | 4.87         | 5.17         | 5.30          | -             |
| 554                 | Gasoline service stations .....                                   | 146.06                  | 146.88       | 156.20       | 159.58        | -             | 4.08                    | 4.08         | 4.45         | 4.47          | -             |
| 56                  | <b>APPAREL AND ACCESSORY STORES</b> .....                         | 120.90                  | 118.21       | 122.98       | 124.68        | -             | 4.03                    | 3.98         | 4.27         | 4.27          | -             |
| 561                 | Men's and boys' clothing and furnishings .....                    | 151.07                  | 149.90       | 156.82       | 159.90        | -             | 4.62                    | 4.57         | 4.84         | 4.89          | -             |
| 562                 | Women's ready-to-wear stores .....                                | 106.93                  | 104.99       | 109.60       | 112.00        | -             | 3.70                    | 3.71         | 4.00         | 4.00          | -             |
| 565                 | Family clothing stores .....                                      | 114.76                  | 112.99       | 117.01       | 113.96        | -             | 3.89                    | 3.83         | 4.12         | 4.07          | -             |
| 566                 | Shoe stores .....   | 127.97                  | 124.31       | 128.33       | 132.91        | -             | 4.28                    | 4.13         | 4.41         | 4.46          | -             |
| 57                  | <b>FURNITURE AND HOME FURNISHINGS<br/>STORES</b> .....            | 184.25                  | 185.28       | 189.66       | 192.70        | -             | 5.19                    | 5.19         | 5.45         | 5.49          | -             |
| 571                 | Furniture and home furnishings .....                              | 188.15                  | 189.92       | 192.59       | 194.18        | -             | 5.33                    | 5.32         | 5.55         | 5.58          | -             |
| 572                 | Household appliance stores .....                                  | 199.84                  | 200.20       | 200.50       | 201.76        | -             | 5.49                    | 5.50         | 5.68         | 5.62          | -             |
| 573                 | Radio, television, and music stores .....                         | 163.90                  | 163.19       | 174.73       | 183.37        | -             | 4.63                    | 4.61         | 5.05         | 5.18          | -             |
| 58                  | <b>EATING AND DRINKING PLACES</b> <sup>5</sup> .....              | 93.91                   | 93.91        | 97.52        | 97.99         | -             | 3.44                    | 3.44         | 3.68         | 3.67          | -             |
| 59                  | <b>MISCELLANEOUS RETAIL</b> .....                                 | 145.72                  | 146.82       | 150.87       | 153.43        | -             | 4.47                    | 4.49         | 4.82         | 4.84          | -             |
| 591                 | Drug stores and proprietary stores .....                          | 129.20                  | 129.34       | 130.39       | 133.64        | -             | 4.05                    | 4.08         | 4.42         | 4.44          | -             |
| 594                 | Miscellaneous shopping goods stores .....                         | 133.14                  | 134.62       | 136.65       | 139.98        | -             | 4.20                    | 4.22         | 4.51         | 4.53          | -             |
| 596                 | Nonstore retailers .....  | 180.63                  | 183.60       | 191.81       | 194.97        | -             | 5.36                    | 5.40         | 5.76         | 5.82          | -             |
| 598                 | Fuel and ice dealers .....  | 221.76                  | 222.91       | 237.84       | 238.32        | -             | 5.76                    | 5.76         | 6.21         | 6.19          | -             |
| 599                 | Retail stores, nec .....  | 154.13                  | 153.23       | 159.09       | 160.39        | -             | 4.56                    | 4.52         | 4.88         | 4.92          | -             |
|                     | <b>FINANCE, INSURANCE, AND REAL<br/>ESTATE</b> <sup>5</sup> ..... | 191.14                  | 190.61       | 210.03       | 208.87        | 210.03        | 5.28                    | 5.28         | 5.77         | 5.77          | 5.77          |
| 60                  | <b>BANKING</b> .....  | 166.08                  | 164.44       | 180.31       | 179.95        | -             | 4.55                    | 4.53         | 4.94         | 4.93          | -             |
| 602                 | Commercial and stock savings banks .....                          | 163.52                  | 161.45       | 177.39       | 176.18        | -             | 4.48                    | 4.46         | 4.86         | 4.84          | -             |
| 61                  | <b>CREDIT AGENCIES OTHER THAN BANKS</b> .....                     | 175.01                  | 171.92       | 188.78       | 187.31        | -             | 4.73                    | 4.71         | 5.13         | 5.16          | -             |
| 612                 | Savings and loan associations .....                               | 169.28                  | 165.07       | 181.06       | 176.53        | -             | 4.60                    | 4.56         | 4.92         | 4.89          | -             |
| 614                 | Personal credit institutions .....                                | 169.00                  | 167.08       | 181.41       | 184.11        | -             | 4.58                    | 4.59         | 4.97         | 5.10          | -             |
| 63                  | <b>INSURANCE CARRIERS</b> .....                                   | 209.62                  | 212.58       | 237.51       | 237.75        | -             | 5.65                    | 5.73         | 6.30         | 6.34          | -             |
| 631                 | Life insurance .....  | 207.89                  | 209.72       | 248.03       | 249.00        | -             | 5.68                    | 5.73         | 6.51         | 6.57          | -             |
| 632                 | Medical service and health insurance .....                        | 207.38                  | 207.73       | 227.84       | 226.48        | -             | 5.53                    | 5.51         | 5.98         | 5.96          | -             |
| 633                 | Fire, marine, and casualty insurance .....                        | 210.90                  | 214.23       | 230.51       | 231.36        | -             | 5.70                    | 5.79         | 6.23         | 6.27          | -             |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls  
by industry—Continued**

| 1972<br>SIC<br>Code | Industry   | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|--|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |  | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>WHOLESALE TRADE-DURABLE<br/>GOODS—Continued</b>       |                      |              |              |               |               |                        |              |              |               |               |
| 505                 | Metals and minerals, except petroleum .....              | 39.7                 | 40.5         | 39.5         | 38.8          | -             | -                      | -            | -            | -             |               |
| 506                 | Electrical goods .....                                   | 38.8                 | 38.6         | 38.8         | 38.9          | -             | -                      | -            | -            | -             |               |
| 507                 | Hardware, plumbing, and heating equipment .....          | 38.7                 | 38.5         | 38.5         | 38.4          | -             | -                      | -            | -            | -             |               |
| 508                 | Machinery, equipment, and supplies .....                 | 40.2                 | 40.2         | 39.5         | 39.4          | -             | -                      | -            | -            | -             |               |
| 509                 | Miscellaneous durable goods .....                        | 39.0                 | 39.4         | 38.7         | 37.7          | -             | -                      | -            | -            | -             |               |
| 51                  | <b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..               | 38.4                 | 38.2         | 37.1         | 37.3          | -             | -                      | -            | -            | -             |               |
| 511                 | Paper and paper products .....                           | 36.2                 | 36.7         | 36.5         | 36.4          | -             | -                      | -            | -            | -             |               |
| 512                 | Drugs, proprietaries, and sundries .....                 | 37.9                 | 37.5         | 36.9         | 37.3          | -             | -                      | -            | -            | -             |               |
| 513                 | Apparel, piece goods, and notions .....                  | 36.9                 | 36.7         | 36.8         | 36.5          | -             | -                      | -            | -            | -             |               |
| 514                 | Groceries and related products .....                     | 39.1                 | 38.6         | 35.3         | 36.1          | -             | -                      | -            | -            | -             |               |
| 516                 | Chemicals and allied products .....                      | 39.8                 | 39.6         | 39.6         | 38.6          | -             | -                      | -            | -            | -             |               |
| 517                 | Petroleum and petroleum products .....                   | 39.7                 | 39.6         | 39.7         | 40.0          | -             | -                      | -            | -            | -             |               |
| 518                 | Beer, wine, and distilled beverages .....                | 37.2                 | 37.1         | 37.2         | 37.5          | -             | -                      | -            | -            | -             |               |
| 519                 | Miscellaneous nondurable goods .....                     | 38.1                 | 38.3         | 38.5         | 38.4          | -             | -                      | -            | -            | -             |               |
| 52-59               | <b>RETAIL TRADE</b> .....                                | 31.5                 | 31.4         | 30.4         | 30.7          | 30.8          | -                      | -            | -            | -             |               |
| 52                  | <b>BUILDING MATERIALS AND GARDEN<br/>SUPPLIES</b> .....  | 38.4                 | 38.5         | 37.4         | 37.4          | -             | -                      | -            | -            | -             |               |
| 521                 | Lumber and other building materials .....                | 40.3                 | 40.4         | 39.3         | 39.2          | -             | -                      | -            | -            | -             |               |
| 525                 | Hardware stores .....                                    | 35.4                 | 35.1         | 34.0         | 34.7          | -             | -                      | -            | -            | -             |               |
| 53                  | <b>GENERAL MERCHANDISE STORES</b> .....                  | 30.6                 | 30.3         | 29.4         | 30.0          | -             | -                      | -            | -            | -             |               |
| 531                 | Department stores .....                                  | 30.6                 | 30.3         | 29.4         | 29.9          | -             | -                      | -            | -            | -             |               |
| 533                 | Variety stores .....                                     | 30.6                 | 30.4         | 29.7         | 30.4          | -             | -                      | -            | -            | -             |               |
| 539                 | Misc. general merchandise stores .....                   | 30.4                 | 30.6         | 29.5         | 30.1          | -             | -                      | -            | -            | -             |               |
| 54                  | <b>FOOD STORES</b> .....                                 | 32.9                 | 32.5         | 31.8         | 32.3          | -             | -                      | -            | -            | -             |               |
| 541                 | Grocery stores .....                                     | 33.3                 | 32.8         | 32.1         | 32.6          | -             | -                      | -            | -            | -             |               |
| 546                 | Retail bakeries .....                                    | 30.2                 | 30.3         | 29.9         | 29.7          | -             | -                      | -            | -            | -             |               |
| 55                  | <b>AUTOMOTIVE DEALERS AND SERVICE<br/>STATIONS</b> ..... | 38.2                 | 38.2         | 37.6         | 37.7          | -             | -                      | -            | -            | -             |               |
| 551.2               | New and used car dealers .....                           | 38.9                 | 39.0         | 38.4         | 38.3          | -             | -                      | -            | -            | -             |               |
| 553                 | Auto and home supply stores .....                        | 40.8                 | 41.0         | 40.8         | 40.8          | -             | -                      | -            | -            | -             |               |
| 554                 | Gasoline service stations .....                          | 35.8                 | 36.0         | 35.1         | 35.7          | -             | -                      | -            | -            | -             |               |
| 56                  | <b>APPAREL AND ACCESSORY STORES</b> .....                | 30.0                 | 29.7         | 28.8         | 29.2          | -             | -                      | -            | -            | -             |               |
| 561                 | Men's and boys' clothing and furnishings .....           | 32.7                 | 32.8         | 32.4         | 32.7          | -             | -                      | -            | -            | -             |               |
| 562                 | Women's ready-to-wear stores .....                       | 28.9                 | 28.3         | 27.4         | 28.0          | -             | -                      | -            | -            | -             |               |
| 565                 | Family clothing stores .....                             | 29.5                 | 29.5         | 28.4         | 28.0          | -             | -                      | -            | -            | -             |               |
| 566                 | Shoe stores .....  | 29.9                 | 30.1         | 29.1         | 29.8          | -             | -                      | -            | -            | -             |               |
| 57                  | <b>FURNITURE AND HOME FURNISHINGS<br/>STORES</b> .....   | 35.5                 | 35.7         | 34.8         | 35.1          | -             | -                      | -            | -            | -             |               |
| 571                 | Furniture and home furnishings .....                     | 35.3                 | 35.7         | 34.7         | 34.8          | -             | -                      | -            | -            | -             |               |
| 572                 | Household appliance stores .....                         | 36.4                 | 36.4         | 35.3         | 35.9          | -             | -                      | -            | -            | -             |               |
| 573                 | Radio, television, and music stores .....                | 35.4                 | 35.4         | 34.6         | 35.4          | -             | -                      | -            | -            | -             |               |
| 58                  | <b>EATING AND DRINKING PLACES</b> .....                  | 27.3                 | 27.3         | 26.5         | 26.7          | -             | -                      | -            | -            | -             |               |
| 59                  | <b>MISCELLANEOUS RETAIL</b> .....                        | 32.6                 | 32.7         | 31.3         | 31.7          | -             | -                      | -            | -            | -             |               |
| 591                 | Drug stores and proprietary stores .....                 | 31.9                 | 31.7         | 29.5         | 30.1          | -             | -                      | -            | -            | -             |               |
| 594                 | Miscellaneous shopping goods stores .....                | 31.7                 | 31.9         | 30.3         | 30.9          | -             | -                      | -            | -            | -             |               |
| 596                 | Nonstore retailers .....                                 | 33.7                 | 34.0         | 33.3         | 33.5          | -             | -                      | -            | -            | -             |               |
| 598                 | Fuel and ice dealers .....                               | 38.5                 | 38.7         | 38.3         | 38.5          | -             | -                      | -            | -            | -             |               |
| 599                 | Retail stores, nec .....                                 | 33.8                 | 33.9         | 32.6         | 32.6          | -             | -                      | -            | -            | -             |               |
|                     | <b>FINANCE, INSURANCE, AND REAL<br/>ESTATE</b> .....     | 36.2                 | 36.1         | 36.4         | 36.2          | 36.4          | -                      | -            | -            | -             |               |
| 60                  | <b>BANKING</b> .....                                     | 36.5                 | 36.3         | 36.5         | 36.5          | -             | -                      | -            | -            | -             |               |
| 602                 | Commercial and stock savings banks .....                 | 36.5                 | 36.2         | 36.5         | 36.4          | -             | -                      | -            | -            | -             |               |
| 61                  | <b>CREDIT AGENCIES OTHER THAN BANKS</b> .....            | 37.0                 | 36.5         | 36.8         | 36.3          | -             | -                      | -            | -            | -             |               |
| 612                 | Savings and loan associations .....                      | 36.8                 | 36.2         | 36.8         | 36.1          | -             | -                      | -            | -            | -             |               |
| 614                 | Personal credit institutions .....                       | 36.9                 | 36.4         | 36.5         | 36.1          | -             | -                      | -            | -            | -             |               |
| 63                  | <b>INSURANCE CARRIERS</b> .....                          | 37.1                 | 37.1         | 37.7         | 37.5          | -             | -                      | -            | -            | -             |               |
| 631                 | Life insurance .....                                     | 36.6                 | 36.6         | 38.1         | 37.9          | -             | -                      | -            | -            | -             |               |
| 632                 | Medical service and health insurance .....               | 37.5                 | 37.7         | 38.1         | 38.0          | -             | -                      | -            | -            | -             |               |
| 633                 | Fire, marine, and casualty insurance .....               | 37.0                 | 37.0         | 37.0         | 36.9          | -             | -                      | -            | -            | -             |               |

See footnotes at end of table.



# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued

| 1972<br>SIC<br>Code | Industry  | Average weekly earnings |                 |                 |                 |                 | Average hourly earnings |               |               |               |               |
|---------------------|---|-------------------------|-----------------|-----------------|-----------------|-----------------|-------------------------|---------------|---------------|---------------|---------------|
|                     |   | July<br>1979            | Aug.<br>1979    | June<br>1980    | July<br>1980P   | Aug.<br>1980P   | July<br>1979            | Aug.<br>1979  | June<br>1980  | July<br>1980P | Aug.<br>1980P |
|                     | <b>SERVICES .....</b>   | <b>\$176.16</b>         | <b>\$176.29</b> | <b>\$190.57</b> | <b>\$191.40</b> | <b>\$191.73</b> | <b>\$5.29</b>           | <b>\$5.31</b> | <b>\$5.81</b> | <b>\$5.80</b> | <b>\$5.81</b> |
| 701                 | <b>HOTELS AND OTHER LODGING PLACES:</b><br>Hotels, motels, and tourist courts ..... | 127.44                  | 125.69          | 137.77          | 137.77          | -               | 3.97                    | 3.94          | 4.43          | 4.43          | -             |
|                     | <b>PERSONAL SERVICES:</b>   |                         |                 |                 |                 |                 |                         |               |               |               |               |
| 721                 | Laundry, cleaning, and garment services .....                                       | 142.00                  | 142.49          | 151.87          | 152.54          | -               | 4.14                    | 4.13          | 4.48          | 4.54          | -             |
| 723                 | Beauty shops .....  | 124.64                  | 121.50          | 129.60          | 127.30          | -               | 4.10                    | 4.01          | 4.32          | 4.33          | -             |
| 73                  | <b>BUSINESS SERVICES .....</b>  | <b>160.64</b>           | <b>180.51</b>   | <b>199.98</b>   | <b>201.47</b>   | <b>-</b>        | <b>5.48</b>             | <b>5.47</b>   | <b>6.06</b>   | <b>6.05</b>   | <b>-</b>      |
| 731                 | Advertising .....   | 270.20                  | 270.85          | 288.36          | 279.31          | -               | 7.59                    | 7.38          | 8.10          | 7.89          | -             |
| 734                 | Services to buildings .....   | 130.97                  | 129.60          | 144.84          | 146.68          | -               | 4.78                    | 4.73          | 5.21          | 5.22          | -             |
| 737                 | Computer and data processing services .....   | 236.06                  | 235.89          | 259.92          | 259.91          | -               | 6.38                    | 6.41          | 7.18          | 7.16          | -             |
| 75                  | <b>AUTO REPAIR, SERVICES, AND GARAGES .....</b>                                     | <b>212.06</b>           | <b>217.54</b>   | <b>229.97</b>   | <b>232.79</b>   | <b>-</b>        | <b>5.61</b>             | <b>5.68</b>   | <b>6.10</b>   | <b>6.11</b>   | <b>-</b>      |
| 753                 | Automotive repair shops .....   | 229.90                  | 238.20          | 253.24          | 254.54          | -               | 5.91                    | 6.00          | 6.51          | 6.51          | -             |
| 76                  | <b>MISCELLANEOUS REPAIR SERVICES .....</b>  | <b>257.52</b>           | <b>259.61</b>   | <b>269.70</b>   | <b>278.60</b>   | <b>-</b>        | <b>6.39</b>             | <b>6.41</b>   | <b>6.88</b>   | <b>7.00</b>   | <b>-</b>      |
| 78                  | <b>MOTION PICTURES .....</b>  | <b>190.08</b>           | <b>204.32</b>   | <b>202.06</b>   | <b>201.06</b>   | <b>-</b>        | <b>6.60</b>             | <b>7.07</b>   | <b>7.14</b>   | <b>7.03</b>   | <b>-</b>      |
| 781                 | Motion picture production and services .....  | 373.80                  | 404.42          | 419.18          | 410.01          | -               | 9.56                    | 10.45         | 10.35         | 10.38         | -             |
| 79                  | <b>AMUSEMENT AND RECREATION SERVICES .....</b>                                      | <b>159.54</b>           | <b>160.88</b>   | <b>165.09</b>   | <b>163.59</b>   | <b>-</b>        | <b>4.82</b>             | <b>4.92</b>   | <b>5.36</b>   | <b>5.21</b>   | <b>-</b>      |
| 80                  | <b>HEALTH SERVICES .....</b>  | <b>172.86</b>           | <b>172.31</b>   | <b>185.46</b>   | <b>188.34</b>   | <b>-</b>        | <b>5.16</b>             | <b>5.19</b>   | <b>5.62</b>   | <b>5.69</b>   | <b>-</b>      |
| 801                 | Offices of physicians .....   | 176.25                  | 174.95          | 190.84          | 190.19          | -               | 5.39                    | 5.35          | 5.89          | 5.87          | -             |
| 802                 | Offices of dentists .....   | 148.03                  | 148.90          | 163.29          | 161.29          | -               | 5.14                    | 5.17          | 5.65          | 5.62          | -             |
| 806                 | Nursing and personal care facilities .....  | 122.36                  | 119.35          | 129.48          | 131.99          | -               | 3.86                    | 3.85          | 4.15          | 4.19          | -             |
| 806                 | Hospitals .....   | 189.81                  | 190.10          | 204.52          | 209.50          | -               | 5.47                    | 5.51          | 5.98          | 6.09          | -             |
| 81                  | <b>LEGAL SERVICES .....</b>   | <b>237.70</b>           | <b>232.90</b>   | <b>255.65</b>   | <b>251.16</b>   | <b>-</b>        | <b>6.93</b>             | <b>6.81</b>   | <b>7.41</b>   | <b>7.28</b>   | <b>-</b>      |
| 89                  | <b>MISCELLANEOUS SERVICES .....</b>   | <b>292.19</b>           | <b>293.76</b>   | <b>322.15</b>   | <b>323.85</b>   | <b>-</b>        | <b>7.73</b>             | <b>7.67</b>   | <b>8.50</b>   | <b>8.50</b>   | <b>-</b>      |
| 891                 | Engineering and architectural services .....  | 312.62                  | 316.65          | 350.75          | 352.05          | -               | 8.12                    | 8.14          | 9.04          | 9.05          | -             |
| 893                 | Accounting, auditing, and bookkeeping .....   | 260.35                  | 254.77          | 270.85          | 275.26          | -               | 6.98                    | 6.74          | 7.34          | 7.36          | -             |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents excluded from all series in this division.

\* Not available.

p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of its publication.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls  
by industry—Continued**

| 1972<br>SIC<br>Code | Industry  | Average weekly hours |              |              |               |               | Average overtime hours |              |              |               |               |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
|                     |   | July<br>1979         | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P | July<br>1979           | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|                     | <b>SERVICES</b> .....                           | 33.3                 | 33.2         | 32.8         | 33.0          | 33.0          | -                      | -            | -            | -             | -             |
|                     | <b>HOTELS AND OTHER LODGING PLACES:</b>         |                      |              |              |               |               |                        |              |              |               |               |
| 701                 | Hotels, motels, and tourist courts .....        | 32.1                 | 31.9         | 31.1         | 31.1          | -             | -                      | -            | -            | -             |               |
|                     | <b>PERSONAL SERVICES:</b>                       |                      |              |              |               |               |                        |              |              |               |               |
| 721                 | Laundry, cleaning, and garment services .....   | 34.3                 | 34.5         | 33.9         | 33.6          | -             | -                      | -            | -            | -             |               |
| 723                 | Beauty shops .....                              | 30.4                 | 30.3         | 30.0         | 29.4          | -             | -                      | -            | -            | -             |               |
|                     | <b>BUSINESS SERVICES</b> .....                  | 33.0                 | 33.0         | 33.0         | 33.3          | -             | -                      | -            | -            | -             |               |
| 731                 | Advertising .....                               | 35.6                 | 36.7         | 35.6         | 35.4          | -             | -                      | -            | -            | -             |               |
| 734                 | Services to buildings .....                     | 27.4                 | 27.4         | 27.8         | 28.1          | -             | -                      | -            | -            | -             |               |
| 737                 | Computer and data processing services .....     | 37.0                 | 36.8         | 36.2         | 36.3          | -             | -                      | -            | -            | -             |               |
|                     | <b>AUTO REPAIR, SERVICES, AND GARAGES</b> ..... | 37.8                 | 38.3         | 37.7         | 38.1          | -             | -                      | -            | -            | -             |               |
| 753                 | Automotive repair shops .....                   | 38.9                 | 39.7         | 38.9         | 39.1          | -             | -                      | -            | -            | -             |               |
| 76                  | <b>MISCELLANEOUS REPAIR SERVICES</b> .....      | 40.3                 | 40.5         | 39.2         | 39.8          | -             | -                      | -            | -            | -             |               |
|                     | <b>MOTION PICTURES</b> .....                    | 28.8                 | 28.9         | 28.3         | 28.6          | -             | -                      | -            | -            | -             |               |
| 781                 | Motion picture production and services .....    | 39.1                 | 38.7         | 40.5         | 39.5          | -             | -                      | -            | -            | -             |               |
| 79                  | <b>AMUSEMENT AND RECREATION SERVICES</b> .....  | 33.1                 | 32.7         | 30.8         | 31.4          | -             | -                      | -            | -            | -             |               |
|                     | <b>HEALTH SERVICES</b> .....                    | 33.5                 | 33.2         | 33.0         | 33.1          | -             | -                      | -            | -            | -             |               |
| 801                 | Offices of physicians .....                     | 32.7                 | 32.7         | 32.4         | 32.4          | -             | -                      | -            | -            | -             |               |
| 802                 | Offices of dentists .....                       | 28.8                 | 28.8         | 28.9         | 28.7          | -             | -                      | -            | -            | -             |               |
| 805                 | Nursing and personal care facilities .....      | 31.7                 | 31.0         | 31.2         | 31.5          | -             | -                      | -            | -            | -             |               |
| 806                 | Hospitals .....                                 | 34.7                 | 34.5         | 34.2         | 34.4          | -             | -                      | -            | -            | -             |               |
| 81                  | <b>LEGAL SERVICES</b> .....                     | 34.3                 | 34.2         | 34.5         | 34.5          | -             | -                      | -            | -            | -             |               |
|                     | <b>MISCELLANEOUS SERVICES</b> .....             | 37.8                 | 38.3         | 37.9         | 38.1          | -             | -                      | -            | -            | -             |               |
| 891                 | Engineering and architectural services .....    | 38.5                 | 38.9         | 38.8         | 38.9          | -             | -                      | -            | -            | -             |               |
| 893                 | Accounting, auditing, and bookkeeping .....     | 37.3                 | 37.8         | 36.9         | 37.4          | -             | -                      | -            | -            | -             |               |

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

| Item                          | 1979    |         |         |         |         |         |         |         |         |         |         |         |         |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                               | Avg.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| <b>Executive Branch</b>       |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total employment .....        | 2,719.8 | 2,677.5 | 2,686.3 | 2,688.3 | 2,697.4 | 2,720.3 | 2,770.2 | 2,783.0 | 2,789.6 | 2,697.8 | 2,702.7 | 2,707.0 | 2,717.2 |
| Average weekly hours .....    | 39.5    | 39.7    | 39.7    | 39.5    | 39.5    | 39.4    | 39.4    | 39.8    | 39.5    | 39.4    | 39.3    | 39.7    | 39.5    |
| Average overtime hours .....  | 1.2     | 1.2     | 1.1     | 1.1     | 1.1     | 1.0     | 1.0     | 1.2     | 1.2     | 1.4     | 1.4     | 1.3     | 1.4     |
| Indexes (1967=100):           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Average weekly earnings ..... | 245.5   | 243.2   | 242.4   | 240.6   | 239.8   | 238.9   | 238.6   | 241.3   | 242.5   | 244.6   | 254.5   | 259.5   | 261.5   |
| Average hourly earnings ..... | 244.9   | 241.4   | 240.5   | 240.0   | 239.2   | 238.9   | 238.6   | 238.9   | 241.9   | 244.6   | 255.1   | 257.6   | 260.8   |
| <b>Department of Defense</b>  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total employment .....        | 895.4   | 896.0   | 895.0   | 892.0   | 890.0   | 896.6   | 906.6   | 908.5   | 908.5   | 887.2   | 887.8   | 888.0   | 889.0   |
| Average weekly hours .....    | 39.9    | 39.9    | 39.9    | 39.9    | 39.9    | 39.9    | 39.9    | 40.1    | 40.0    | 40.0    | 38.9    | 40.0    | 40.0    |
| Average overtime hours .....  | .9      | .8      | .9      | .9      | .8      | .8      | .8      | .8      | .9      | 1.2     | .9      | 1.1     | 1.0     |
| Indexes (1967=100):           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Average weekly earnings ..... | 238.5   | 234.7   | 234.7   | 235.2   | 234.4   | 235.2   | 233.6   | 233.4   | 234.5   | 238.0   | 240.4   | 252.3   | 254.0   |
| Average hourly earnings ..... | 240.9   | 237.1   | 237.1   | 237.6   | 236.8   | 237.6   | 236.0   | 234.6   | 236.2   | 239.8   | 249.0   | 254.2   | 255.9   |
| <b>Postal Service</b>         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total employment .....        | 660.9   | 653.0   | 655.2   | 655.4   | 655.0   | 659.5   | 663.2   | 665.4   | 665.4   | 659.0   | 653.7   | 673.0   | 673.5   |
| Average weekly hours .....    | 40.5    | 41.2    | 41.0    | 40.2    | 40.2    | 39.8    | 39.6    | 40.6    | 39.9    | 40.0    | 41.6    | 41.1    | 40.7    |
| Average overtime hours .....  | 1.9     | 2.6     | 1.8     | 1.6     | 1.7     | 1.3     | 1.3     | 1.8     | 1.5     | 1.9     | 2.3     | 2.1     | 2.7     |
| Indexes (1967=100):           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Average weekly earnings ..... | 283.1   | 280.8   | 276.9   | 271.5   | 271.8   | 268.1   | 274.0   | 281.2   | 283.0   | 286.2   | 300.6   | 296.1   | 305.7   |
| Average hourly earnings ..... | 269.8   | 263.1   | 260.7   | 260.7   | 261.0   | 260.1   | 267.1   | 267.4   | 273.8   | 276.2   | 279.0   | 278.0   | 289.9   |
| <b>Other Agencies</b>         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total employment .....        | 1,163.4 | 1,128.5 | 1,136.1 | 1,140.9 | 1,152.4 | 1,164.2 | 1,200.4 | 1,209.1 | 1,215.7 | 1,151.6 | 1,161.2 | 1,146.0 | 1,154.7 |
| Average weekly hours .....    | 38.7    | 38.7    | 38.8    | 38.8    | 38.8    | 38.8    | 38.8    | 39.2    | 38.9    | 38.7    | 38.7    | 38.5    | 38.3    |
| Average overtime hours .....  | 1.1     | .9      | 1.0     | 1.0     | 1.0     | 1.1     | 1.0     | 1.2     | 1.2     | 1.4     | 1.2     | 1.0     | .9      |
| Indexes (1967=100):           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Average weekly earnings ..... | 230.8   | 229.9   | 229.7   | 227.7   | 226.7   | 226.0   | 223.3   | 226.6   | 227.1   | 228.4   | 243.2   | 244.4   | 243.6   |
| Average hourly earnings ..... | 231.4   | 230.4   | 229.7   | 227.7   | 226.7   | 226.0   | 223.3   | 224.3   | 226.5   | 229.0   | 243.8   | 246.3   | 246.8   |

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the Office of Personnel Management from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both super-

visory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

## C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

| Major industry group                         | Average hourly earnings excluding overtime <sup>1</sup> |               |               |               |               |
|--|---|---------------|---------------|---------------|---------------|
|  | July 1979   | Aug. 1979     | June 1980     | July 1980P    | Aug. 1980P    |
| <b>MANUFACTURING</b> .....                   | <b>\$6.46</b>   | <b>\$6.43</b> | <b>\$6.98</b> | <b>\$7.07</b> | <b>\$7.06</b> |
| <b>DURABLE GOODS</b> .....                   | <b>6.87</b>   | <b>6.84</b>   | <b>7.46</b>   | <b>7.54</b>   | <b>7.54</b>   |
| Lumber and wood products .....               | 5.96  | 5.94          | 6.35          | 6.46          | -             |
| Furniture and fixtures .....                 | 4.92  | 4.95          | 5.40          | 5.45          | -             |
| Stone, clay, and glass products .....        | 6.53  | 6.53          | 7.21          | 7.26          | -             |
| Primary metal industries .....               | 8.64  | 8.70          | 9.39          | 9.55          | -             |
| Fabricated metal products .....              | 6.57  | 6.58          | 7.20          | 7.21          | -             |
| Machinery, except electrical .....           | 7.03  | 7.03          | 7.69          | 7.77          | -             |
| Electric and electronic equipment .....      | 6.09  | 6.17          | 6.71          | 6.81          | -             |
| Transportation equipment .....               | 8.13  | 8.05          | 8.95          | 9.02          | -             |
| Instruments and related products .....       | 6.01  | 5.97          | 6.62          | 6.71          | -             |
| Miscellaneous manufacturing industries ..... | 4.91  | 4.88          | 5.32          | 5.38          | -             |
| <b>NONDURABLE GOODS</b> .....                | <b>5.81</b>   | <b>5.80</b>   | <b>6.28</b>   | <b>6.39</b>   | <b>6.38</b>   |
| Food and kindred products .....              | 5.97  | 5.95          | 6.54          | 6.57          | -             |
| Tobacco manufactures .....                   | 6.74  | 6.39          | 7.88          | 8.00          | -             |
| Textile mill products .....                  | 4.48  | 4.57          | 4.77          | 4.90          | -             |
| Apparel and other textile products .....     | 4.17  | 4.14          | 4.45          | 4.44          | -             |
| Paper and allied products .....              | 6.79  | 6.84          | 7.45          | 7.59          | -             |
| Printing and publishing .....                | 6.70  | 6.72          | 7.25          | 7.32          | -             |
| Chemicals and allied products .....          | 7.31  | 7.35          | 7.97          | 8.07          | -             |
| Petroleum and coal products .....            | 8.93  | 8.89          | 9.87          | 9.92          | -             |
| Rubber and misc. plastics products .....     | 5.73  | 5.72          | 6.22          | 6.32          | -             |
| Leather and leather products .....           | 4.11  | 4.13          | 4.44          | 4.49          | -             |

<sup>1</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.

P=preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers<sup>1</sup>  
on private nonagricultural payrolls by industry division, in current and 1967 dollars**

| Industry   | Gross average weekly earnings |              |               | Spendable average weekly earnings <sup>2</sup> |              |               |                                  |              |               |
|--|-------------------------------|--------------|---------------|--|--------------|---------------|----------------------------------|--------------|---------------|
|  |                               |              |               | Worker with no dependents                      |              |               | Married worker with 3 dependents |              |               |
|  | July<br>1979                  | June<br>1980 | July<br>1980P | July<br>1979                                   | June<br>1980 | July<br>1980P | July<br>1979                     | June<br>1980 | July<br>1980P |
| <b>TOTAL PRIVATE:</b>  |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | \$221.76                      | \$233.33     | \$234.39      | \$179.35                                       | \$187.59     | \$188.33      | \$196.26                         | \$205.06     | \$205.86      |
| 1967 dollars .....   | 101.08                        | 94.16        | 94.51         | 81.75  | 75.70        | 75.94         | 89.45                            | 82.75        | 83.01         |
| <b>MINING:</b>   |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 356.12                        | 395.71       | 379.39        | 269.66   | 293.89       | 284.12        | 296.71                           | 325.23       | 313.67        |
| 1967 dollars .....   | 162.32                        | 159.69       | 152.98        | 122.91   | 118.60       | 114.56        | 135.24                           | 131.25       | 126.48        |
| <b>CONSTRUCTION:</b>   |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 350.03                        | 371.80       | 373.98        | 265.77   | 279.58       | 280.88        | 292.28                           | 308.14       | 309.73        |
| 1967 dollars .....   | 159.54                        | 150.04       | 150.80        | 121.13   | 112.82       | 113.26        | 133.22                           | 124.35       | 124.89        |
| <b>MANUFACTURING:</b>  |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 268.13                        | 283.68       | 283.58        | 211.88   | 222.43       | 222.37        | 231.46                           | 243.26       | 243.18        |
| 1967 dollars .....   | 122.21                        | 114.48       | 114.35        | 96.57  | 89.76        | 89.67         | 105.50                           | 98.17        | 98.06         |
| <b>TRANSPORTATION AND PUBLIC UTILITIES:</b>  |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 327.60                        | 346.50       | 352.32        | 251.45   | 263.52       | 267.24        | 275.93                           | 289.70       | 293.95        |
| 1967 dollars .....   | 149.32                        | 139.83       | 142.06        | 114.61   | 106.34       | 107.76        | 125.77                           | 116.91       | 118.53        |
| <b>WHOLESALE AND RETAIL TRADE:</b>   |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 168.17                        | 175.39       | 177.45        | 140.00   | 145.40       | 146.95        | 157.26                           | 162.12       | 163.51        |
| 1967 dollars .....   | 76.65                         | 70.78        | 71.55         | 63.81  | 58.68        | 59.25         | 71.68                            | 65.42        | 65.93         |
| <b>FINANCE, INSURANCE, AND REAL ESTATE:</b>  |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 191.14                        | 210.03       | 208.87        | 157.03   | 170.80       | 169.95        | 172.57                           | 187.13       | 186.23        |
| 1967 dollars .....   | 87.12                         | 84.76        | 84.22         | 71.57  | 68.93        | 68.53         | 78.66                            | 75.52        | 75.09         |
| <b>SERVICES:</b>   |                               |              |               |  |              |               |                                  |              |               |
| Current dollars .....  | 176.16                        | 190.57       | 191.40        | 145.98   | 156.62       | 157.22        | 162.64                           | 172.20       | 172.74        |
| 1967 dollars .....   | 80.29                         | 76.90        | 77.18         | 66.54  | 63.20        | 63.40         | 74.13                            | 69.49        | 69.65         |
| <b>CONSUMER PRICE INDEX FOR URBAN WAGE<br/>EARNERS AND CLERICAL WORKERS (CPI-W,<br/>All items, 1967=100) .....</b> | <b>219.4</b>                  | <b>247.8</b> | <b>248.0</b>  |  |              |               |                                  |              |               |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned this amount (see Explanatory Notes for the establishment data in the back of this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

p=preliminary (applicable to earnings data only).

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group

[1967=100]

| Industry division and group                      | Jul 1979 | Aug. 1979 | June 1980 | Jul 1980 <sup>2</sup> | Aug. 1980 <sup>2</sup> |
|--|----------|-----------|-----------|-----------------------|------------------------|
|  | Hours    |           |           |                       |                        |
| <b>TOTAL PRIVATE</b> .....                       | 127.9    | 128.3     | 125.0     | 124.0                 | 125.5                  |
| <b>GOODS-PRODUCING</b> .....                     | 110.5    | 111.5     | 103.3     | 99.6                  | 102.5                  |
| <b>MINING</b> .....                              | 152.8    | 160.1     | 169.7     | 158.9                 | 157.5                  |
| <b>CONSTRUCTION</b> .....                        | 142.4    | 145.4     | 134.1     | 134.1                 | 134.9                  |
| <b>MANUFACTURING</b> .....                       | 103.4    | 103.7     | 95.5      | 91.4                  | 94.8                   |
| <b>DURABLE GOODS</b> .....                       | 106.8    | 105.4     | 95.9      | 91.0                  | 93.5                   |
| Lumber and wood products .....                   | 117.2    | 119.4     | 94.8      | 93.4                  | 99.6                   |
| Furniture and fixtures .....                     | 104.1    | 108.6     | 95.2      | 88.2                  | 93.7                   |
| Stone, clay, and glass products .....            | 114.5    | 115.2     | 101.4     | 98.1                  | 100.4                  |
| Primary metal industries .....                   | 98.4     | 95.9      | 79.2      | 73.9                  | 75.9                   |
| Fabricated metal products .....                  | 103.9    | 104.2     | 94.5      | 88.0                  | 92.1                   |
| Machinery, except electrical .....               | 116.0    | 114.6     | 111.4     | 106.3                 | 106.3                  |
| Electric and electronic equipment .....          | 106.6    | 105.4     | 101.2     | 96.6                  | 97.7                   |
| Transportation equipment .....                   | 98.4     | 90.5      | 81.5      | 77.3                  | 79.1                   |
| Instruments and related products .....           | 125.9    | 126.6     | 126.9     | 121.8                 | 124.9                  |
| Miscellaneous manufacturing industries .....     | 95.0     | 101.4     | 90.4      | 85.0                  | 91.1                   |
| <b>NONDURABLE GOODS</b> .....                    | 98.4     | 101.3     | 95.0      | 91.9                  | 96.8                   |
| Food and kindred products .....                  | 99.3     | 106.3     | 92.8      | 96.4                  | 103.4                  |
| Tobacco manufactures .....                       | 64.3     | 77.7      | 65.9      | 62.3                  | 72.5                   |
| Textile mill products .....                      | 87.2     | 89.6      | 84.4      | 78.9                  | 83.7                   |
| Apparel and other textile products .....         | 86.7     | 89.4      | 89.5      | 83.1                  | 89.0                   |
| Paper and allied products .....                  | 102.2    | 102.9     | 97.1      | 94.2                  | 96.4                   |
| Printing and publishing .....                    | 103.1    | 104.7     | 103.0     | 101.7                 | 102.8                  |
| Chemicals and allied products .....              | 108.0    | 107.9     | 105.8     | 102.1                 | 102.6                  |
| Petroleum and coal products .....                | 126.6    | 125.2     | 116.6     | 120.3                 | 119.8                  |
| Rubber and misc. plastics products .....         | 148.1    | 147.2     | 125.7     | 117.9                 | 127.9                  |
| Leather and leather products .....               | 61.7     | 67.2      | 66.9      | 57.5                  | 65.2                   |
| <b>SERVICE-PRODUCING</b> .....                   | 140.0    | 139.9     | 140.0     | 141.0                 | 141.5                  |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 115.6    | 116.5     | 113.7     | 113.7                 | 114.1                  |
| <b>WHOLESALE AND RETAIL TRADE</b> .....          | 133.6    | 133.6     | 131.3     | 131.8                 | 132.5                  |
| <b>WHOLESALE TRADE</b> .....                     | 135.0    | 134.8     | 132.7     | 132.3                 | 132.5                  |
| <b>RETAIL TRADE</b> .....                        | 133.1    | 133.1     | 130.7     | 131.5                 | 132.5                  |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 148.4    | 148.1     | 152.9     | 153.1                 | 153.8                  |
| <b>SERVICES</b> .....                            | 157.7    | 157.2     | 160.6     | 162.9                 | 162.9                  |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p=preliminary.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group—Continued**

[1967=100]

| Industry division and group                      | July<br>1979 | Aug.<br>1979 | June<br>1980 | July<br>1980P | Aug.<br>1980P |
|--|--------------|--------------|--------------|---------------|---------------|
|  | Payrolls     |              |              |               |               |
| <b>TOTAL PRIVATE</b> .....                       | 293.8        | 295.8        | 308.3        | 307.0         | 311.8         |
| <b>GOODS-PRODUCING</b> .....                     | 265.7        | 268.2        | 266.1        | 259.8         | 268.2         |
| <b>MINING</b> .....                              | 409.5        | 426.8        | 487.8        | 454.4         | 452.0         |
| <b>CONSTRUCTION</b> .....                        | 320.5        | 330.2        | 319.7        | 323.3         | 328.4         |
| <b>MANUFACTURING</b> .....                       | 245.9        | 246.0        | 243.6        | 235.8         | 245.4         |
| <b>DURABLE GOODS</b> .....                       | 254.8        | 250.7        | 246.1        | 235.8         | 243.3         |
| Lumber and wood products .....                   | 308.0        | 313.7        | 262.8        | 263.8         | 283.1         |
| Furniture and fixtures .....                     | 225.5        | 237.7        | 224.9        | 209.5         | 224.1         |
| Stone, clay, and glass products .....            | 280.1        | 282.0        | 271.0        | 263.9         | 270.9         |
| Primary metal industries .....                   | 266.5        | 261.1        | 228.9        | 216.9         | 224.0         |
| Fabricated metal products .....                  | 238.4        | 239.7        | 235.6        | 219.4         | 231.7         |
| Machinery, except electrical .....               | 267.2        | 264.1        | 278.7        | 268.0         | 269.4         |
| Electric and electronic equipment .....          | 241.3        | 242.0        | 250.6        | 242.4         | 247.0         |
| Transportation equipment .....                   | 245.1        | 222.6        | 219.2        | 210.0         | 216.4         |
| Instruments and related products .....           | 272.6        | 273.1        | 302.6        | 293.7         | 303.0         |
| Miscellaneous manufacturing industries .....     | 202.8        | 216.9        | 208.7        | 197.9         | 212.8         |
| <b>NONDURABLE GOODS</b> .....                    | 230.8        | 237.9        | 239.3        | 235.9         | 249.0         |
| Food and kindred products .....                  | 236.2        | 252.9        | 240.8        | 252.1         | 270.1         |
| Tobacco manufactures .....                       | 193.6        | 223.1        | 231.7        | 222.5         | 249.3         |
| Textile mill products .....                      | 197.2        | 207.9        | 202.5        | 193.7         | 210.9         |
| Apparel and other textile products .....         | 180.6        | 185.3        | 198.8        | 184.0         | 201.7         |
| Paper and allied products .....                  | 255.5        | 259.3        | 263.2        | 261.7         | 267.9         |
| Printing and publishing .....                    | 218.2        | 223.0        | 234.3        | 233.9         | 239.2         |
| Chemicals and allied products .....              | 264.8        | 266.3        | 281.0        | 274.6         | 277.3         |
| Petroleum and coal products .....                | 332.0        | 327.1        | 333.0        | 347.0         | 345.7         |
| Rubber and misc. plastics products .....         | 321.0        | 318.6        | 292.8        | 278.9         | 305.5         |
| Leather and leather products .....               | 124.9        | 136.9        | 147.0        | 127.0         | 143.7         |
| <b>SERVICE-PRODUCING</b> .....                   | 318.1        | 319.6        | 344.6        | 347.7         | 349.5         |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 292.4        | 299.2        | 307.5        | 310.4         | 312.6         |
| <b>WHOLESALE AND RETAIL TRADE</b> .....          | 299.5        | 299.9        | 316.6        | 319.3         | 321.0         |
| <b>WHOLESALE TRADE</b> .....                     | 300.2        | 300.7        | 320.7        | 321.2         | 321.7         |
| <b>RETAIL TRADE</b> .....                        | 299.1        | 299.5        | 314.4        | 318.3         | 320.6         |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 303.5        | 302.8        | 341.3        | 341.6         | 343.8         |
| <b>SERVICES</b> .....                            | 364.8        | 364.8        | 407.7        | 412.4         | 413.7         |

# ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

**C-7. Average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

| Industry  | 1979 |       |      |      |      | 1980 |      |      |      |      |      |                   |                   |
|---|------|-------|------|------|------|------|------|------|------|------|------|-------------------|-------------------|
|   | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May  | June | July <sup>p</sup> | Aug. <sup>p</sup> |
| <b>TOTAL PRIVATE</b> .....                                    | 35.7 | 35.6  | 35.6 | 35.6 | 35.7 | 35.6 | 35.5 | 35.4 | 35.3 | 35.4 | 35.0 | 34.9              | 35.1              |
| <b>MINING</b> <sup>2</sup> .....                              | 43.1 | 43.4  | 43.7 | 43.6 | 43.9 | 43.4 | 43.2 | 43.4 | 42.8 | 42.7 | 43.2 | 41.6              | 41.4              |
| <b>CONSTRUCTION</b> .....                                     | 37.3 | 37.5  | 36.8 | 37.0 | 37.2 | 37.3 | 37.1 | 36.6 | 36.7 | 36.8 | 37.1 | 36.8              | 36.4              |
| <b>MANUFACTURING</b> .....                                    | 40.1 | 40.1  | 40.1 | 40.1 | 40.2 | 40.3 | 40.1 | 39.8 | 39.8 | 39.3 | 39.1 | 39.1              | 39.6              |
| <i>Overtime hours</i> .....                                   | 3.3  | 3.2   | 3.2  | 3.3  | 3.2  | 3.2  | 3.0  | 3.1  | 3.0  | 2.6  | 2.4  | 2.5               | 2.8               |
| <b>DURABLE GOODS</b> .....                                    | 40.7 | 40.7  | 40.7 | 40.6 | 40.7 | 40.8 | 40.6 | 40.3 | 40.3 | 39.7 | 39.5 | 39.4              | 40.1              |
| <i>Overtime hours</i> .....                                   | 3.4  | 3.3   | 3.3  | 3.3  | 3.2  | 3.3  | 3.1  | 3.2  | 3.0  | 2.5  | 2.4  | 2.4               | 2.8               |
| Lumber and wood products .....                                | 39.6 | 39.6  | 39.2 | 38.9 | 39.0 | 39.4 | 39.1 | 38.7 | 37.3 | 37.5 | 37.6 | 38.0              | 39.2              |
| Furniture and fixtures .....                                  | 38.6 | 38.7  | 38.8 | 38.9 | 38.9 | 39.2 | 39.0 | 38.5 | 38.5 | 37.6 | 37.0 | 36.9              | 37.9              |
| Stone, clay, and glass products .....                         | 41.4 | 41.5  | 41.3 | 41.4 | 41.5 | 41.4 | 41.2 | 40.9 | 40.6 | 40.3 | 40.4 | 40.2              | 40.1              |
| Primary metal industries .....                                | 41.0 | 41.1  | 41.1 | 40.8 | 40.7 | 40.8 | 40.8 | 40.7 | 40.6 | 39.2 | 38.8 | 38.6              | 39.8              |
| Fabricated metal products .....                               | 40.6 | 40.7  | 40.8 | 40.7 | 40.9 | 40.9 | 40.8 | 40.7 | 40.8 | 35.9 | 39.7 | 39.6              | 40.1              |
| Machinery, except electrical .....                            | 41.6 | 41.7  | 41.5 | 41.5 | 41.5 | 41.6 | 41.5 | 41.3 | 41.5 | 41.0 | 40.7 | 40.6              | 40.9              |
| Electric and electronic equipment .....                       | 39.9 | 40.3  | 40.3 | 40.4 | 40.5 | 40.5 | 40.3 | 40.0 | 39.9 | 39.5 | 39.2 | 39.2              | 39.7              |
| Transportation equipment .....                                | 41.5 | 40.6  | 41.0 | 40.5 | 40.9 | 40.9 | 40.8 | 40.4 | 40.5 | 39.7 | 39.5 | 39.5              | 41.1              |
| Instruments and related products .....                        | 40.6 | 40.7  | 40.7 | 41.0 | 41.0 | 41.4 | 40.9 | 40.4 | 40.7 | 40.3 | 40.4 | 40.0              | 40.6              |
| Miscellaneous manufacturing ind .....                         | 38.9 | 39.0  | 38.9 | 38.9 | 39.0 | 39.2 | 39.1 | 36.6 | 38.5 | 38.3 | 38.2 | 38.4              | 38.6              |
| <b>NONDURABLE GOODS</b> .....                                 | 39.3 | 39.3  | 39.3 | 39.4 | 39.4 | 39.5 | 39.4 | 39.0 | 39.1 | 38.9 | 38.6 | 38.6              | 38.8              |
| <i>Overtime hours</i> .....                                   | 3.1  | 3.1   | 3.1  | 3.2  | 3.1  | 3.1  | 2.9  | 3.0  | 3.0  | 2.6  | 2.5  | 2.6               | 2.7               |
| Food and kindred products .....                               | 39.8 | 40.0  | 39.9 | 39.9 | 39.9 | 39.8 | 39.7 | 39.3 | 39.6 | 39.9 | 39.6 | 39.8              | 39.9              |
| Tobacco manufactures .....                                    | 38.1 | 38.4  | 38.3 | 37.8 | 38.5 | 38.5 | 37.9 | 37.7 | 38.2 | 38.2 | 37.3 | 38.8              | 37.7              |
| Textile mill products .....                                   | 40.3 | 40.7  | 40.8 | 41.0 | 41.0 | 41.5 | 41.1 | 40.8 | 40.3 | 39.7 | 39.1 | 39.1              | 39.1              |
| Apparel and other textile products .....                      | 35.3 | 35.2  | 35.4 | 35.3 | 35.6 | 36.0 | 35.9 | 35.3 | 35.8 | 35.3 | 35.2 | 35.1              | 35.2              |
| Paper and allied products .....                               | 42.6 | 42.5  | 42.6 | 42.7 | 42.8 | 43.0 | 42.9 | 42.6 | 42.5 | 41.7 | 41.4 | 41.5              | 41.8              |
| Printing and publishing .....                                 | 37.8 | 37.5  | 37.4 | 37.5 | 37.4 | 37.8 | 37.4 | 37.2 | 37.2 | 37.1 | 36.8 | 36.9              | 37.0              |
| Chemicals and allied products .....                           | 41.9 | 41.8  | 41.7 | 42.0 | 41.8 | 42.0 | 41.9 | 41.8 | 41.5 | 41.3 | 41.1 | 40.8              | 41.0              |
| Petroleum and coal products .....                             | 43.6 | 44.0  | 43.5 | 44.4 | 43.4 | 36.9 | 40.7 | 39.7 | 41.1 | 42.5 | 42.3 | 42.3              | 42.3              |
| Rubber and misc. plastics products .....                      | 40.2 | 40.3  | 40.2 | 40.0 | 40.0 | 40.7 | 40.0 | 39.9 | 40.1 | 39.3 | 39.2 | 39.2              | 40.2              |
| Leather and leather products .....                            | 36.5 | 36.8  | 36.5 | 36.6 | 37.0 | 37.2 | 37.2 | 36.9 | 37.3 | 36.7 | 36.7 | 35.8              | 36.7              |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> <sup>2</sup> ..... | 40.3 | 39.9  | 40.0 | 40.2 | 40.0 | 39.5 | 39.4 | 39.5 | 39.5 | 39.3 | 39.6 | 39.9              | 40.1              |
| <b>WHOLESALE AND RETAIL TRADE</b> .....                       | 32.6 | 32.6  | 32.6 | 32.6 | 32.6 | 32.6 | 32.4 | 32.3 | 32.0 | 32.1 | 31.9 | 31.8              | 31.9              |
| <b>WHOLESALE TRADE</b> .....                                  | 38.8 | 38.8  | 38.8 | 38.9 | 38.9 | 38.9 | 38.8 | 38.5 | 38.5 | 38.6 | 38.0 | 38.0              | 38.0              |
| <b>RETAIL TRADE</b> .....                                     | 30.6 | 30.6  | 30.6 | 30.6 | 30.6 | 30.6 | 30.4 | 30.3 | 30.0 | 30.1 | 30.0 | 29.8              | 30.0              |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> <sup>2</sup> ..... | 36.1 | 36.1  | 36.2 | 36.3 | 36.4 | 36.2 | 36.3 | 36.3 | 36.2 | 36.1 | 36.4 | 36.2              | 36.4              |
| <b>SERVICES</b> .....   | 32.7 | 32.7  | 32.6 | 32.7 | 32.8 | 32.7 | 32.7 | 32.7 | 32.6 | 32.5 | 32.6 | 32.5              | 32.5              |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.  
<sup>2</sup> See footnote 1, table B-6.

p=preliminary.

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted**

[1987=100]

| Industry division and group                      | 1979  |       |       |       |       | 1980  |       |       |       |       |       |                   |        |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|--------|
|  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July <sup>p</sup> | Aug. P |
| <b>TOTAL PRIVATE</b> .....                       | 125.9 | 126.0 | 126.1 | 126.4 | 126.8 | 127.1 | 126.9 | 126.0 | 124.8 | 123.4 | 122.5 | 121.8             | 122.8  |
| <b>GOODS-PRODUCING</b> .....                     | 109.3 | 109.5 | 109.1 | 108.7 | 109.4 | 110.1 | 109.1 | 107.3 | 105.2 | 102.2 | 100.3 | 98.5              | 99.9   |
| <b>MINING</b> .....                              | 157.6 | 159.4 | 160.9 | 160.8 | 162.5 | 162.0 | 162.1 | 162.9 | 161.7 | 163.2 | 166.4 | 156.5             | 155.4  |
| <b>CONSTRUCTION</b> .....                        | 129.7 | 130.5 | 128.5 | 129.7 | 132.8 | 137.7 | 134.7 | 126.9 | 124.7 | 124.3 | 123.7 | 120.7             | 120.2  |
| <b>MANUFACTURING</b> .....                       | 104.0 | 104.1 | 103.8 | 103.2 | 103.5 | 103.4 | 102.8 | 101.8 | 99.8  | 96.1  | 93.8  | 92.6              | 94.3   |
| <b>DURABLE GOODS</b> .....                       | 107.5 | 107.8 | 107.1 | 106.0 | 106.4 | 106.0 | 105.8 | 105.0 | 101.6 | 96.6  | 94.0  | 92.5              | 94.4   |
| Lumber and wood products .....                   | 114.4 | 114.7 | 113.9 | 111.0 | 109.4 | 109.8 | 108.9 | 106.5 | 95.3  | 90.4  | 89.6  | 90.6              | 95.5   |
| Furniture and fixtures .....                     | 108.6 | 108.6 | 109.1 | 109.4 | 109.1 | 109.7 | 108.9 | 106.9 | 106.1 | 99.0  | 94.6  | 91.8              | 93.5   |
| Stone, clay, and glass products .....            | 111.3 | 111.4 | 110.4 | 110.1 | 110.4 | 110.3 | 109.6 | 108.0 | 103.5 | 99.4  | 96.7  | 95.3              | 96.6   |
| Primary metal industries .....                   | 96.6  | 96.0  | 95.4  | 94.1  | 92.9  | 92.7  | 92.4  | 91.8  | 89.9  | 82.4  | 77.4  | 73.6              | 76.4   |
| Fabricated metal products .....                  | 104.7 | 105.8 | 105.9 | 105.6 | 105.7 | 104.8 | 104.9 | 104.6 | 102.1 | 95.3  | 92.5  | 89.8              | 92.3   |
| Machinery, except electrical .....               | 117.4 | 118.5 | 115.7 | 114.9 | 114.4 | 118.5 | 117.5 | 116.9 | 116.1 | 114.1 | 110.8 | 108.8             | 109.1  |
| Electric and electronic equipment .....          | 106.3 | 109.0 | 109.4 | 109.2 | 110.4 | 110.8 | 109.8 | 109.4 | 108.1 | 103.8 | 100.1 | 99.1              | 98.7   |
| Transportation equipment .....                   | 102.1 | 99.4  | 98.5  | 95.5  | 98.3  | 91.7  | 93.8  | 93.0  | 85.0  | 79.1  | 79.6  | 79.6              | 83.3   |
| Instruments and related products .....           | 127.5 | 127.5 | 127.8 | 128.2 | 128.8 | 130.0 | 129.1 | 128.7 | 128.4 | 126.0 | 125.1 | 123.5             | 125.7  |
| Miscellaneous manufacturing ind .....            | 99.4  | 99.1  | 98.6  | 98.6  | 99.4  | 99.3  | 98.2  | 96.9  | 95.8  | 91.6  | 88.5  | 88.9              | 89.1   |
| <b>NONDURABLE GOODS</b> .....                    | 98.8  | 98.7  | 99.1  | 99.1  | 99.2  | 99.7  | 98.4  | 97.3  | 97.2  | 95.4  | 93.5  | 92.7              | 94.3   |
| Food and kindred products .....                  | 96.8  | 96.5  | 97.3  | 97.5  | 97.6  | 96.9  | 96.2  | 94.6  | 94.4  | 95.1  | 93.2  | 94.3              | 94.1   |
| Tobacco manufactures .....                       | 73.6  | 75.5  | 75.3  | 65.0  | 70.3  | 71.7  | 70.5  | 70.2  | 72.4  | 73.8  | 72.1  | 73.6              | 68.8   |
| Textile mill products .....                      | 89.2  | 89.9  | 90.6  | 91.2  | 91.5  | 92.7  | 91.6  | 91.0  | 89.4  | 86.4  | 82.2  | 81.1              | 83.2   |
| Apparel and other textile products .....         | 88.3  | 87.7  | 88.5  | 87.8  | 88.5  | 90.3  | 90.5  | 89.2  | 89.3  | 87.2  | 86.7  | 85.9              | 87.9   |
| Paper and allied products .....                  | 101.8 | 101.5 | 102.0 | 102.0 | 102.1 | 102.9 | 102.5 | 101.6 | 100.4 | 96.7  | 94.7  | 93.8              | 95.2   |
| Printing and publishing .....                    | 104.8 | 104.3 | 104.5 | 105.6 | 105.2 | 106.9 | 105.9 | 105.1 | 104.8 | 103.6 | 103.1 | 102.6             | 103.1  |
| Chemicals and allied products .....              | 107.6 | 107.5 | 107.6 | 108.5 | 108.2 | 109.0 | 108.4 | 108.0 | 107.4 | 106.0 | 104.4 | 101.8             | 102.3  |
| Petroleum and coal products .....                | 121.2 | 123.2 | 121.9 | 124.4 | 122.4 | 104.9 | 75.7  | 71.4  | 91.6  | 113.8 | 113.3 | 115.0             | 115.9  |
| Rubber and misc. plastics products .....         | 147.8 | 147.0 | 146.6 | 144.9 | 143.4 | 145.7 | 142.2 | 141.4 | 139.9 | 128.5 | 123.6 | 120.3             | 128.5  |
| Leather and leather products .....               | 66.1  | 66.7  | 66.5  | 66.0  | 66.4  | 66.4  | 66.4  | 65.6  | 66.0  | 63.6  | 63.3  | 59.6              | 64.3   |
| <b>SERVICE-PRODUCING</b> .....                   | 137.5 | 137.5 | 137.9 | 138.7 | 138.8 | 138.9 | 139.2 | 139.0 | 138.3 | 138.1 | 137.9 | 138.0             | 138.8  |
| <b>TRANSPORTATION AND PUBLIC UTILITIES</b> ..... | 116.1 | 115.0 | 115.8 | 116.6 | 115.8 | 114.0 | 113.7 | 113.9 | 113.5 | 112.6 | 112.6 | 112.8             | 113.9  |
| <b>WHOLESALE AND RETAIL TRADE</b> .....          | 131.1 | 131.4 | 131.8 | 132.3 | 132.2 | 132.6 | 132.7 | 131.8 | 130.4 | 130.3 | 129.1 | 128.7             | 129.7  |
| <b>WHOLESALE TRADE</b> .....                     | 133.6 | 133.8 | 134.3 | 135.1 | 135.0 | 135.4 | 135.6 | 134.5 | 134.1 | 133.7 | 130.8 | 130.7             | 131.2  |
| <b>RETAIL TRADE</b> .....                        | 130.1 | 130.4 | 130.9 | 131.2 | 131.0 | 131.5 | 131.5 | 130.7 | 128.9 | 129.0 | 128.5 | 127.9             | 129.1  |
| <b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..... | 146.6 | 146.3 | 147.0 | 147.7 | 148.2 | 148.2 | 149.3 | 149.6 | 149.4 | 149.7 | 151.2 | 150.9             | 152.2  |
| <b>SERVICES</b> .....                            | 153.4 | 153.8 | 154.0 | 155.0 | 156.0 | 156.4 | 157.2 | 157.6 | 157.6 | 157.4 | 157.8 | 158.5             | 158.9  |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>p</sup>=preliminary.



# ESTABLISHMENT DATA SEASONALLY ADJUSTED

## C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted

| Industry   | 1979   |        |        |        |        | 1980   |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July P | Aug. P |
| Hourly Earnings Index <sup>2</sup> (1967=100)  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| TOTAL PRIVATE (in current dollars) . . . . .   | 232.3  | 234.3  | 235.0  | 237.3  | 239.4  | 240.3  | 242.4  | 245.2  | 246.2  | 248.3  | 250.9  | 251.7  | 253.1  |
| MINING . . . . .   | 264.7  | 265.6  | 267.7  | 272.0  | 274.6  | 277.0  | 278.5  | 280.9  | 283.7  | 284.2  | 286.3  | 286.1  | 288.4  |
| CONSTRUCTION . . . . .   | 223.2  | 224.5  | 224.7  | 226.5  | 228.1  | 225.8  | 229.8  | 232.2  | 233.0  | 234.2  | 235.3  | 236.8  | 237.9  |
| MANUFACTURING . . . . .  | 237.0  | 238.6  | 239.9  | 241.9  | 244.1  | 245.2  | 247.8  | 250.2  | 252.4  | 255.0  | 258.3  | 260.4  | 262.1  |
| TRANSPORTATION AND PUBLIC UTILITIES . . . . .  | 252.4  | 255.1  | 255.8  | 258.7  | 260.1  | 260.8  | 262.4  | 265.9  | 267.2  | 268.7  | 270.6  | 270.5  | 270.2  |
| WHOLESALE AND RETAIL TRADE . . . . .   | 225.5  | 227.2  | 227.6  | 229.7  | 231.4  | 234.2  | 235.2  | 237.8  | 238.0  | 239.8  | 241.8  | 242.9  | 244.2  |
| FINANCE, INSURANCE, AND REAL ESTATE . . . . .  | 211.4  | 214.0  | 212.9  | 215.7  | 217.9  | 218.4  | 221.1  | 225.7  | 224.9  | 226.3  | 230.2  | 228.8  | 230.8  |
| SERVICES . . . . .   | 228.7  | 231.6  | 232.3  | 234.9  | 237.8  | 237.7  | 239.7  | 242.7  | 243.0  | 245.7  | 248.4  | 248.0  | 249.8  |
| TOTAL PRIVATE (in 1967 dollars) <sup>3</sup> . . . . .   | 105.1  | 104.9  | 104.1  | 104.1  | 103.8  | 102.7  | 102.2  | 102.0  | 101.4  | 101.4  | 101.5  | 101.8  | -      |
| Average hourly earnings  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| TOTAL PRIVATE . . . . .  | \$6.22 | \$6.26 | \$6.28 | \$6.34 | \$6.39 | \$6.41 | \$6.45 | \$6.51 | \$6.54 | \$6.57 | \$6.62 | \$6.66 | \$6.70 |
| MINING <sup>4</sup> . . . . .  | 8.50   | 8.59   | 8.59   | 8.73   | 8.75   | 8.88   | 8.90   | 8.95   | 9.10   | 9.08   | 9.16   | 9.12   | 9.15   |
| CONSTRUCTION . . . . .   | 9.33   | 9.39   | 9.40   | 9.48   | 9.55   | 9.46   | 9.64   | 9.75   | 9.79   | 9.83   | 9.89   | 9.95   | 10.00  |
| MANUFACTURING . . . . .  | 6.75   | 6.79   | 6.82   | 6.87   | 6.91   | 6.93   | 6.99   | 7.06   | 7.11   | 7.15   | 7.22   | 7.30   | 7.37   |
| TRANSPORTATION AND PUBLIC UTILITIES <sup>4</sup> . . . . .   | 8.31   | 8.44   | 8.43   | 8.51   | 8.54   | 8.55   | 8.58   | 8.62   | 8.71   | 8.72   | 8.75   | 8.83   | 8.86   |
| WHOLESALE AND RETAIL TRADE . . . . .   | 5.11   | 5.13   | 5.15   | 5.20   | 5.23   | 5.28   | 5.31   | 5.37   | 5.38   | 5.42   | 5.45   | 5.48   | 5.54   |
| FINANCE, INSURANCE, AND REAL ESTATE <sup>4</sup> . . . . .   | 5.28   | 5.37   | 5.35   | 5.41   | 5.48   | 5.53   | 5.60   | 5.68   | 5.68   | 5.70   | 5.77   | 5.77   | 5.77   |
| SERVICES . . . . .   | 5.40   | 5.45   | 5.47   | 5.54   | 5.60   | 5.60   | 5.64   | 5.72   | 5.72   | 5.78   | 5.86   | 5.88   | 5.91   |
| Average weekly earnings  |        |        |        |        |        |        |        |        |        |        |        |        |        |
| TOTAL PRIVATE:   |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Current dollars . . . . .  | 222.05 | 222.86 | 223.57 | 225.70 | 228.12 | 228.20 | 228.98 | 230.45 | 230.86 | 230.61 | 231.70 | 232.43 | 235.17 |
| 1967 dollars <sup>3</sup> . . . . .  | 100.52 | 99.76  | 99.10  | 99.03  | 98.88  | 97.52  | 96.53  | 95.82  | 95.08  | 94.16  | 93.77  | 94.03  | -      |
| Real spendable earnings (married worker with 3 dependents, 1967 dollars) <sup>3, 5</sup> . . . . . | 88.95  | 88.24  | 87.61  | 87.44  | 87.17  | 85.97  | 85.06  | 84.35  | 83.68  | 82.89  | 82.48  | 82.67  | -      |

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

<sup>3</sup> The CPI-W is used to deflate these series to 1967 dollars.

<sup>4</sup> See footnote 1, table B-5.

<sup>5</sup> See footnote 2, table C-5.

p-preliminary.

## C-10. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division

| Industry division                             | Millions of hours (Annual rate) <sup>2</sup> |            |              | Percent change         |                        |                        |
|---|--|------------|--------------|------------------------|------------------------|------------------------|
|   | JUNE 1980                                    | JULY p1980 | AUGUST p1980 | Aug. 1979 to Aug. 1980 | June 1980 to July 1980 | July 1980 to Aug. 1980 |
| TOTAL . . . . .                               | 168,415                                      | 167,588    | 168,272      | -1.2                   | -0.5                   | 0.4                    |
| PRIVATE SECTOR . . . . .                      | 136,363                                      | 135,423    | 136,374      | -1.6                   | -0.7                   | 0.7                    |
| MINING . . . . .                              | 2,315  | 2,206      | 2,210        | 0.3                    | -4.7                   | 0.2                    |
| CONSTRUCTION . . . . .                        | 8,559  | 8,331      | 8,283        | -5.5                   | -2.7                   | -0.6                   |
| MANUFACTURING . . . . .                       | 41,048                                       | 40,585     | 41,031       | -6.0                   | -1.1                   | 1.1                    |
| DURABLE GOODS . . . . .                       | 24,803                                       | 24,468     | 24,760       | -7.8                   | -1.4                   | 1.2                    |
| NONDURABLE GOODS . . . . .                    | 16,246                                       | 16,118     | 16,271       | -3.3                   | -0.8                   | 1.0                    |
| TRANSPORTATION AND PUBLIC UTILITIES . . . . . | 10,509                                       | 10,549     | 10,565       | -1.7                   | 0.4                    | 0.2                    |
| WHOLESALE AND RETAIL TRADE . . . . .          | 34,153                                       | 33,954     | 34,257       | -0.8                   | -0.6                   | 0.9                    |
| FINANCE, INSURANCE, AND REAL ESTATE . . . . . | 9,767  | 9,722      | 9,771        | 4.0                    | -0.5                   | 0.5                    |
| SERVICES . . . . .                            | 30,011                                       | 30,076     | 30,257       | 3.2                    | 0.2                    | 0.6                    |
| GOVERNMENT . . . . .                          | 32,053                                       | 32,165     | 31,898       | 0.8                    | 0.4                    | -0.8                   |

<sup>1</sup> Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

<sup>2</sup> "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,  
private business sector, seasonally adjusted**

(1967 = 100)

| Item                                | Annual average |       | Quarterly indexes |       |       |       |       |       |       |       |       |       |        |
|-------------------------------------|----------------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                                     |                |       | 1977              |       | 1978  |       |       |       | 1979  |       |       |       | 1980   |
|                                     | 1978           | 1979  | IV                | I     | II    | III   | IV    | I     | II    | III   | IV    | I     | II     |
| <b>PRIVATE BUSINESS SECTOR:</b>     |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per hour of all persons .... | 119.3          | 118.3 | 119.0             | 118.5 | 119.1 | 119.7 | 119.8 | 118.9 | 118.3 | 117.8 | 117.7 | 117.7 | r117.1 |
| Output .....                        | 140.7          | 144.1 | 136.1             | 136.9 | 140.3 | 141.8 | 144.0 | 144.4 | 143.4 | 143.8 | 144.8 | 144.8 | r140.6 |
| Hours .....                         | 118.0          | 121.8 | 114.3             | 115.4 | 117.8 | 118.4 | 120.2 | 121.5 | 121.3 | 122.0 | 123.0 | 123.1 | r120.1 |
| Compensation per hour .....         | 231.4          | 253.1 | 218.8             | 224.6 | 228.8 | 233.7 | 238.4 | 244.8 | 250.4 | 255.7 | 260.3 | 267.6 | 275.3  |
| Real compensation per hour .....    | 118.4          | 116.4 | 117.9             | 118.8 | 118.3 | 118.2 | 117.9 | 117.9 | 117.0 | 115.8 | 114.2 | 112.9 | r112.4 |
| Unit labor costs .....              | 194.0          | 214.0 | 183.9             | 189.4 | 192.1 | 195.2 | 199.0 | 205.9 | 211.7 | 217.0 | 221.1 | 227.5 | r235.1 |
| Unit nonlabor payments .....        | 174.3          | 184.4 | 168.5             | 164.8 | 173.9 | 177.0 | 181.3 | 180.8 | 183.7 | 185.6 | 188.3 | 190.0 | r193.1 |
| Implicit price deflator .....       | 187.2          | 203.8 | 178.6             | 180.9 | 185.8 | 188.9 | 192.9 | 197.2 | 202.0 | 206.1 | 209.7 | 214.5 | r220.6 |
| <b>NONFARM BUSINESS SECTOR:</b>     |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per hour of all persons .... | 116.9          | 115.7 | 116.4             | 116.2 | 116.7 | 117.4 | 117.6 | 116.6 | 115.4 | 115.0 | 115.2 | 114.9 | r114.1 |
| Output .....                        | 141.5          | 144.9 | 136.4             | 137.3 | 141.1 | 142.7 | 145.0 | 145.5 | 144.2 | 144.6 | 145.5 | 145.6 | r141.2 |
| Hours .....                         | 121.0          | 125.3 | 117.2             | 118.2 | 120.9 | 121.6 | 123.3 | 124.8 | 124.9 | 125.7 | 126.2 | 126.7 | r123.0 |
| Compensation per hour .....         | 227.5          | 247.9 | 215.1             | 221.0 | 224.9 | 229.5 | 234.4 | 240.2 | 244.9 | 249.9 | 255.6 | 262.2 | 269.0  |
| Real compensation per hour .....    | 116.4          | 114.0 | 115.9             | 116.9 | 116.3 | 116.1 | 115.9 | 115.7 | 114.4 | 113.2 | 112.1 | 110.6 | 109.9  |
| Unit labor costs .....              | 194.6          | 214.4 | 184.8             | 190.2 | 192.8 | 195.6 | 199.3 | 206.0 | 212.1 | 217.3 | 221.8 | 228.2 | r235.8 |
| Unit nonlabor payments .....        | 169.9          | 178.6 | 165.9             | 161.1 | 169.1 | 173.0 | 176.1 | 174.3 | 177.6 | 180.5 | 182.5 | 185.9 | r191.1 |
| Implicit price deflator .....       | 186.1          | 202.1 | 178.3             | 180.2 | 184.7 | 187.8 | 191.4 | 195.1 | 200.3 | 204.7 | 208.4 | 213.7 | r220.5 |
| <b>MANUFACTURING:</b>               |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per hour of all persons .... | 128.2          | 129.2 | 128.3             | 126.3 | 127.7 | 129.3 | 129.5 | 128.3 | 128.8 | 129.6 | 129.1 | 128.4 | r127.0 |
| Output .....                        | 134.5          | 138.6 | 130.9             | 130.3 | 133.6 | 135.8 | 138.2 | 139.3 | 138.6 | 138.5 | 138.0 | 137.7 | r129.5 |
| Hours .....                         | 104.9          | 107.3 | 102.0             | 103.1 | 104.6 | 105.0 | 106.7 | 108.6 | 107.6 | 106.9 | 106.9 | 107.2 | 102.0  |
| Compensation per hour .....         | 229.9          | 250.8 | 218.3             | 223.9 | 227.1 | 231.7 | 236.6 | 242.3 | 248.0 | 252.7 | 258.0 | 264.6 | r274.1 |
| Real compensation per hour .....    | 117.6          | 115.3 | 117.6             | 118.4 | 117.5 | 117.2 | 117.0 | 116.7 | 115.9 | 114.4 | 113.2 | 111.6 | r112.0 |
| Unit labor costs .....              | 179.4          | 194.1 | 170.1             | 177.2 | 177.9 | 179.1 | 182.7 | 189.0 | 192.6 | 195.0 | 199.8 | 206.0 | r215.9 |
| <b>DURABLE GOODS</b>                |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per hour of all persons .... | 121.4          | 121.3 | 122.3             | 119.6 | 121.4 | 122.5 | 122.4 | 120.9 | 121.4 | 121.1 | 120.6 | 119.4 | r118.5 |
| Output .....                        | 129.6          | 133.8 | 125.6             | 124.6 | 128.5 | 131.3 | 134.1 | 135.4 | 134.2 | 133.2 | 132.4 | 131.5 | r122.3 |
| Hours .....                         | 106.8          | 110.3 | 102.7             | 104.2 | 105.9 | 107.2 | 109.6 | 112.0 | 110.6 | 110.0 | 109.8 | 110.1 | r103.2 |
| Compensation per hour .....         | 231.1          | 251.8 | 220.3             | 225.4 | 228.5 | 232.7 | 237.7 | 243.4 | 249.0 | 253.6 | 258.5 | 266.3 | r276.5 |
| Real compensation per hour .....    | 118.3          | 115.8 | 118.7             | 119.2 | 118.1 | 117.7 | 117.6 | 117.2 | 116.3 | 114.8 | 113.4 | 112.3 | r113.0 |
| Unit labor costs .....              | 190.4          | 207.5 | 180.2             | 188.5 | 188.2 | 189.9 | 194.2 | 201.3 | 205.1 | 209.5 | 214.3 | 223.1 | r233.3 |
| <b>NONDURABLE GOODS</b>             |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per hour of all persons .... | 139.3          | 142.4 | 138.3             | 137.5 | 138.0 | 140.6 | 141.4 | 140.7 | 141.2 | 144.0 | 143.4 | 143.7 | r140.8 |
| Output .....                        | 142.3          | 146.3 | 139.4             | 139.5 | 141.7 | 143.2 | 144.7 | 145.5 | 145.7 | 147.1 | 147.0 | 147.7 | r141.2 |
| Hours .....                         | 102.1          | 102.7 | 100.8             | 101.5 | 102.7 | 101.9 | 102.4 | 103.4 | 103.2 | 102.2 | 102.5 | 102.8 | r100.2 |
| Compensation per hour .....         | 226.7          | 247.2 | 214.3             | 220.6 | 224.2 | 228.7 | 232.9 | 238.6 | 244.5 | 249.3 | 255.4 | 259.6 | r269.1 |
| Real compensation per hour .....    | 116.0          | 113.7 | 115.5             | 116.7 | 115.9 | 115.7 | 115.2 | 114.9 | 114.3 | 112.9 | 112.0 | 109.5 | 109.9  |
| Unit labor costs .....              | 162.7          | 173.5 | 155.0             | 160.5 | 162.4 | 162.7 | 164.7 | 169.6 | 173.2 | 173.1 | 178.1 | 180.6 | r191.1 |
| <b>NONFINANCIAL CORPORATIONS:</b>   |                |       |                   |       |       |       |       |       |       |       |       |       |        |
| Output per all-employee hour ....   | 118.0          | 117.5 | 116.9             | 116.9 | 118.0 | 118.5 | 118.8 | 118.1 | 117.3 | 117.2 | 117.1 | 117.1 | p116.7 |
| Output .....                        | 150.0          | 154.7 | 143.4             | 144.7 | 149.7 | 151.4 | 154.2 | 155.1 | 154.1 | 154.3 | 155.1 | 155.4 | p151.0 |
| Hours .....                         | 127.1          | 131.6 | 122.7             | 123.8 | 126.9 | 127.8 | 129.8 | 131.4 | 131.4 | 131.7 | 132.4 | 132.7 | p129.4 |
| Compensation per hour .....         | 225.0          | 244.9 | 213.2             | 219.0 | 222.6 | 226.9 | 231.3 | 237.3 | 242.1 | 247.1 | 252.1 | 258.8 | p265.7 |
| Real compensation per hour .....    | 115.2          | 112.7 | 114.9             | 115.8 | 115.1 | 114.8 | 114.4 | 114.3 | 113.1 | 111.9 | 110.6 | 109.2 | p108.5 |
| Total unit costs .....              | 193.3          | 210.4 | 186.3             | 190.8 | 191.6 | 194.0 | 196.8 | 202.3 | 208.0 | 213.2 | 218.0 | 224.3 | p233.2 |
| Unit labor costs .....              | 190.6          | 208.4 | 182.3             | 187.3 | 188.7 | 191.5 | 194.8 | 201.0 | 206.4 | 210.8 | 215.3 | 221.1 | p227.6 |
| Unit nonlabor costs .....           | 201.8          | 216.6 | 198.7             | 201.5 | 200.8 | 201.6 | 203.1 | 206.5 | 213.2 | 220.5 | 226.1 | 234.4 | p250.7 |
| Unit profits .....                  | 127.2          | 127.8 | 122.2             | 107.1 | 129.2 | 132.7 | 138.7 | 130.3 | 129.2 | 127.5 | 124.0 | 120.5 | p110.9 |
| Implicit price deflator .....       | 183.5          | 198.1 | 176.8             | 178.3 | 182.3 | 184.9 | 188.2 | 191.6 | 196.3 | 200.4 | 204.0 | 208.9 | p215.0 |

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate**

| Item                              | Quarterly percent change |                         |                           |                           |                         |                         | Annual percent change   |                           |                           |                         |                         |        |
|-----------------------------------|--------------------------|-------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|---------------------------|---------------------------|-------------------------|-------------------------|--------|
|                                   | IV 1978<br>to<br>I 1979  | I 1979<br>to<br>II 1979 | II 1979<br>to<br>III 1979 | III 1979<br>to<br>IV 1979 | IV 1979<br>to<br>I 1980 | I 1980<br>to<br>II 1980 | I 1978<br>to<br>II 1979 | II 1978<br>to<br>III 1979 | III 1978<br>to<br>IV 1979 | IV 1978<br>to<br>I 1980 | I 1979<br>to<br>II 1980 |        |
|                                   | IV 1978<br>to<br>I 1979  | I 1979<br>to<br>II 1979 | II 1979<br>to<br>III 1979 | III 1979<br>to<br>IV 1979 | IV 1979<br>to<br>I 1980 | I 1980<br>to<br>II 1980 | I 1978<br>to<br>II 1979 | II 1978<br>to<br>III 1979 | III 1978<br>to<br>IV 1979 | IV 1978<br>to<br>I 1980 | I 1979<br>to<br>II 1980 |        |
| <b>PRIVATE BUSINESS SECTOR:</b>   |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per hour of all persons    | -3.1                     | -2.0                    | -1.4                      | -0.3                      | -0.3                    | r-1.9                   | 0.3                     | -0.7                      | -1.6                      | -1.7                    | -1.0                    | r-1.0  |
| Output                            | 1.2                      | -2.9                    | 1.1                       | 2.8                       | 0.2                     | r-11.3                  | 5.5                     | 2.2                       | 1.4                       | 0.5                     | 0.3                     | r-2.0  |
| Hours                             | 4.5                      | -0.9                    | 2.5                       | 3.1                       | 0.5                     | r-9.5                   | 5.3                     | 2.9                       | 3.0                       | 2.3                     | 1.3                     | -1.0   |
| Compensation per hour             | 11.0                     | 9.5                     | 8.7                       | 7.5                       | 11.7                    | r11.9                   | 9.0                     | 9.4                       | 9.4                       | 9.2                     | 9.3                     | r9.9   |
| Real compensation per hour        | -0.2                     | -2.9                    | -4.1                      | -5.4                      | -4.5                    | r-1.6                   | -0.8                    | -1.1                      | -2.1                      | -3.2                    | -4.2                    | -3.9   |
| Unit labor costs                  | 14.6                     | 11.8                    | 10.3                      | 7.8                       | 12.1                    | r14.1                   | 8.7                     | 10.2                      | 11.2                      | 11.1                    | 10.5                    | r11.0  |
| Unit nonlabor payments            | -1.0                     | 6.5                     | 4.2                       | 5.9                       | 3.8                     | r6.6                    | 9.7                     | 5.7                       | 4.8                       | 3.9                     | 5.1                     | r5.1   |
| Implicit price deflator           | 9.3                      | 10.1                    | 8.3                       | 7.2                       | 9.4                     | r11.8                   | 9.0                     | 8.7                       | 9.1                       | 8.7                     | 8.8                     | r9.2   |
| <b>NONFARM BUSINESS SECTOR:</b>   |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per hour of all persons    | -3.3                     | -3.9                    | -1.5                      | 0.8                       | -1.1                    | r-2.9                   | 0.4                     | -1.1                      | -2.0                      | -2.0                    | -1.4                    | r-1.2  |
| Output                            | 1.2                      | -3.6                    | 1.2                       | 2.5                       | 0.2                     | r-11.5                  | 5.9                     | 2.2                       | 1.3                       | 0.3                     | 0.1                     | r-2.1  |
| Hours                             | 4.7                      | 0.4                     | 2.7                       | 1.7                       | 1.3                     | r-8.8                   | 5.5                     | 3.3                       | 3.4                       | 2.4                     | 1.5                     | -0.9   |
| Compensation per hour             | 10.2                     | 8.1                     | 8.5                       | 9.5                       | 10.7                    | r10.7                   | 8.7                     | 8.9                       | 8.9                       | 9.1                     | 9.2                     | 9.8    |
| Real compensation per hour        | -0.9                     | -4.2                    | -4.4                      | -3.6                      | -5.3                    | -2.6                    | -1.0                    | -1.6                      | -2.5                      | -3.3                    | -4.4                    | -4.0   |
| Unit labor costs                  | 14.0                     | 12.5                    | 10.1                      | 8.6                       | 12.0                    | r14.1                   | 8.3                     | 10.1                      | 11.1                      | 11.3                    | 10.8                    | r11.2  |
| Unit nonlabor payments            | -3.9                     | 7.7                     | 6.6                       | 4.6                       | 7.5                     | r11.7                   | 8.2                     | 5.0                       | 4.3                       | 3.7                     | 6.6                     | r7.6   |
| Implicit price deflator           | 8.1                      | 11.0                    | 9.0                       | 7.4                       | 10.6                    | r13.3                   | 8.3                     | 8.5                       | 9.0                       | 8.9                     | 9.5                     | r10.1  |
| <b>MANUFACTURING:</b>             |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per hour of all persons    | -3.8                     | 1.7                     | 2.5                       | -1.4                      | -2.2                    | r-4.5                   | 1.5                     | 0.9                       | 0.2                       | -0.3                    | 0.1                     | r-1.4  |
| Output                            | 3.2                      | -2.0                    | -0.3                      | -1.4                      | -0.9                    | r-21.7                  | 6.9                     | 3.8                       | 1.9                       | -0.1                    | -1.1                    | r-6.6  |
| Hours                             | 7.3                      | -3.6                    | -2.7                      | -0.1                      | 1.3                     | r-18.0                  | 5.3                     | 2.9                       | 1.7                       | 0.2                     | -1.3                    | -5.2   |
| Compensation per hour             | 10.1                     | 9.6                     | 7.8                       | 8.8                       | 10.5                    | r15.2                   | 8.2                     | 9.2                       | 9.1                       | 9.1                     | 9.2                     | r10.5  |
| Real compensation per hour        | -0.9                     | -2.8                    | -4.9                      | -4.2                      | -5.5                    | r1.3                    | -1.5                    | -1.3                      | -2.4                      | -3.3                    | -4.4                    | r-3.4  |
| Unit labor costs                  | 14.5                     | 7.9                     | 5.2                       | 10.3                      | 13.0                    | r20.7                   | 6.6                     | 8.2                       | 8.9                       | 9.4                     | 9.0                     | r12.1  |
| <b>DURABLE GOODS</b>              |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per hour of all persons    | -4.9                     | 1.7                     | -1.1                      | -1.4                      | -4.1                    | r-2.8                   | 1.1                     | 0.0                       | -1.2                      | -1.4                    | -1.2                    | r-2.4  |
| Output                            | 3.9                      | -3.6                    | -3.0                      | -2.3                      | -2.8                    | r-25.2                  | 8.7                     | 4.4                       | 1.4                       | -1.3                    | -2.9                    | r-8.9  |
| Hours                             | 9.3                      | -5.2                    | -1.9                      | -0.9                      | 1.3                     | r-23.0                  | 7.5                     | 4.4                       | 2.7                       | 0.2                     | -1.7                    | r-6.7  |
| Compensation per hour             | 9.8                      | 9.6                     | 7.6                       | 8.1                       | 12.6                    | r16.2                   | 8.0                     | 9.0                       | 9.0                       | 8.7                     | 9.4                     | r11.1  |
| Real compensation per hour        | -1.3                     | -2.9                    | -5.1                      | -4.8                      | -3.7                    | r2.2                    | -1.7                    | -1.5                      | -2.5                      | -3.5                    | -4.1                    | r-2.9  |
| Unit labor costs                  | 15.4                     | 7.7                     | 8.8                       | 9.6                       | 17.4                    | r19.6                   | 6.8                     | 9.0                       | 10.3                      | 10.3                    | 10.8                    | r13.7  |
| <b>NONDURABLE GOODS</b>           |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per hour of all persons    | -2.0                     | 1.4                     | 8.2                       | -1.5                      | 0.7                     | r-7.7                   | 2.3                     | 2.3                       | 2.4                       | 1.5                     | 2.2                     | r-0.2  |
| Output                            | 2.1                      | 0.5                     | 3.9                       | -0.2                      | 2.0                     | r-16.6                  | 4.3                     | 2.8                       | 2.7                       | 1.6                     | 1.5                     | r-3.1  |
| Hours                             | 4.2                      | -0.9                    | -4.0                      | 1.3                       | 1.2                     | r-9.7                   | 1.9                     | 0.5                       | 0.3                       | 0.1                     | -0.6                    | r-2.9  |
| Compensation per hour             | 10.2                     | 10.3                    | 7.9                       | 10.3                      | 6.7                     | r15.5                   | 8.1                     | 9.1                       | 9.0                       | 9.7                     | 8.8                     | r10.1  |
| Real compensation per hour        | -0.9                     | -2.2                    | -4.8                      | -2.9                      | -8.8                    | r1.6                    | -1.5                    | -1.4                      | -2.4                      | -2.7                    | -4.7                    | r-3.8  |
| Unit labor costs                  | 12.5                     | 8.8                     | -0.2                      | 11.9                      | 5.9                     | r25.2                   | 5.7                     | 6.7                       | 6.4                       | 8.1                     | 6.5                     | r10.3  |
| <b>NONFINANCIAL CORPORATIONS:</b> |                          |                         |                           |                           |                         |                         |                         |                           |                           |                         |                         |        |
| Output per all-employee hour      | -2.3                     | -2.7                    | -0.3                      | -0.4                      | -0.1                    | p-1.1                   | 1.0                     | -0.6                      | -1.1                      | -1.4                    | -0.9                    | p-0.5  |
| Output                            | 2.5                      | -2.6                    | 0.6                       | 1.9                       | 0.8                     | p-10.7                  | 7.2                     | 2.9                       | 1.9                       | 0.6                     | 0.2                     | p-2.0  |
| Hours                             | 4.9                      | 0.1                     | 0.9                       | 2.3                       | 0.9                     | p-9.8                   | 6.1                     | 3.6                       | 3.1                       | 2.0                     | 1.0                     | p-1.5  |
| Compensation per hour             | 10.8                     | 8.3                     | 8.5                       | 8.4                       | 11.0                    | p11.1                   | 8.4                     | 8.7                       | 8.9                       | 9.0                     | 9.0                     | p9.7   |
| Real compensation per hour        | -0.4                     | -4.1                    | -4.3                      | -4.5                      | -5.1                    | p-2.3                   | -1.3                    | -1.8                      | -2.6                      | -3.3                    | -4.5                    | p-4.1  |
| Total unit costs                  | 11.7                     | 11.8                    | 10.2                      | 9.3                       | 12.2                    | p16.8                   | 6.1                     | 8.6                       | 9.9                       | 10.8                    | 10.9                    | p12.1  |
| Unit labor costs                  | 13.4                     | 11.2                    | 8.8                       | 8.9                       | 11.1                    | p12.3                   | 7.3                     | 9.4                       | 10.1                      | 10.6                    | 10.0                    | p10.3  |
| Unit nonlabor costs               | 6.8                      | 13.5                    | 14.6                      | 10.6                      | 15.4                    | p31.0                   | 2.5                     | 6.2                       | 9.4                       | 11.3                    | 13.5                    | p17.6  |
| Unit profits                      | -22.1                    | -3.4                    | -5.3                      | -10.4                     | -10.9                   | p-28.2                  | 21.7                    | 0.0                       | -3.9                      | -10.6                   | -7.6                    | p-14.2 |
| Implicit price deflator           | 7.6                      | 10.2                    | 8.6                       | 7.3                       | 9.9                     | p12.3                   | 7.5                     | 7.7                       | 8.4                       | 8.4                     | 9.0                     | p9.5   |

p=preliminary.  
r=revised.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas**

| State and area                         | Average weekly earnings |           |            | Average weekly hours |           |            | Average hourly earnings |           |            |
|--|-------------------------|-----------|------------|----------------------|-----------|------------|-------------------------|-----------|------------|
|  | JULY 1979               | JUNE 1980 | JULY 1980P | JULY 1979            | JUNE 1980 | JULY 1980P | JULY 1979               | JUNE 1980 | JULY 1980P |
| <b>ALABAMA</b> .....                   | \$239.98                | \$253.20  | \$257.15   | 40.4                 | 39.5      | 39.2       | \$5.94                  | \$6.41    | \$6.56     |
| Birmingham .....                       | 290.90                  | 298.65    | (*)        | 40.8                 | 39.4      | (*)        | 7.13                    | 7.58      | (*)        |
| Mobile .....                           | 299.39                  | 330.72    | 322.66     | 40.9                 | 41.6      | 42.4       | 7.32                    | 7.95      | 7.61       |
| <b>ALASKA</b> .....                    | 376.37                  | (*)       | (*)        | 44.7                 | (*)       | (*)        | 8.42                    | (*)       | (*)        |
| <b>ARIZONA</b> .....                   | 271.73                  | 290.54    | 286.70     | 40.8                 | 39.8      | 39.6       | 6.66                    | 7.30      | 7.24       |
| Phoenix .....                          | 267.85                  | 284.33    | 285.44     | 40.4                 | 39.6      | 39.7       | 6.63                    | 7.18      | 7.19       |
| Tucson .....                           | 251.08                  | 278.13    | 279.30     | 38.1                 | 38.1      | 38.0       | 6.59                    | 7.30      | 7.35       |
| <b>ARKANSAS</b> .....                  | 205.42                  | 221.52    | 220.03     | 39.6                 | 39.0      | 38.2       | 5.20                    | 5.68      | 5.76       |
| Fayetteville—Springdale .....          | 193.34                  | 193.88    | 194.81     | 41.4                 | 37.5      | 37.9       | 4.67                    | 5.17      | 5.14       |
| Fort Smith .....                       | 210.99                  | 222.14    | 218.08     | 39.0                 | 38.3      | 37.6       | 5.41                    | 5.80      | 5.80       |
| Little Rock—North Little Rock .....    | 230.87                  | 262.40    | 254.02     | 39.6                 | 40.0      | 38.9       | 5.83                    | 6.56      | 6.53       |
| Pine Bluff .....                       | 278.97                  | 306.27    | 336.54     | 41.7                 | 41.0      | 41.6       | 6.69                    | 7.47      | 8.09       |
| <b>CALIFORNIA</b> .....                | 282.58                  | 301.43    | 303.03     | 39.8                 | 39.3      | 39.0       | 7.10                    | 7.67      | 7.77       |
| Anaheim—Santa Ana—Garden Grove .....   | 252.45                  | 284.40    | 284.72     | 39.2                 | 40.0      | 39.6       | 6.44                    | 7.11      | 7.19       |
| Bakersfield .....                      | 308.66                  | 334.40    | 322.25     | 40.4                 | 40.0      | 38.5       | 7.64                    | 8.36      | 8.37       |
| Fresno .....                           | 235.21                  | 273.29    | 265.64     | 37.1                 | 38.6      | 37.1       | 6.34                    | 7.08      | 7.16       |
| Los Angeles—Long Beach .....           | 265.86                  | 287.50    | 288.51     | 40.1                 | 39.6      | 39.2       | 6.63                    | 7.26      | 7.36       |
| Modesto .....                          | 275.41                  | 279.75    | 295.68     | 39.4                 | 37.3      | 38.5       | 6.99                    | 7.50      | 7.68       |
| Oxnard—Simi Valley—Ventura .....       | 246.72                  | 258.78    | 260.92     | 39.1                 | 38.0      | 38.2       | 6.31                    | 6.81      | 6.82       |
| Riverside—San Bernardino—Ontario ..... | 294.44                  | 299.15    | 294.46     | 40.5                 | 38.5      | 37.3       | 7.27                    | 7.77      | 7.79       |
| Sacramento .....                       | 296.06                  | 317.63    | 318.10     | 38.4                 | 38.5      | 37.6       | 7.71                    | 8.25      | 8.46       |
| Salinas—Seaside—Monterey .....         | 268.60                  | 273.60    | 279.00     | 39.5                 | 37.1      | 37.5       | 6.80                    | 7.38      | 7.44       |
| San Diego .....                        | 254.18                  | 284.70    | 289.64     | 37.6                 | 39.0      | 39.3       | 6.76                    | 7.30      | 7.37       |
| San Francisco—Oakland .....            | 336.48                  | 355.42    | 360.21     | 39.4                 | 39.1      | 38.9       | 8.54                    | 9.09      | 9.26       |
| San Jose .....                         | 297.34                  | 319.97    | 320.74     | 40.4                 | 39.6      | 39.5       | 7.36                    | 8.08      | 8.12       |
| Santa Barbara—Santa Maria—Lompoc ..... | 243.84                  | 257.19    | 260.88     | 38.1                 | 36.9      | 37.7       | 6.40                    | 6.97      | 6.92       |
| Santa Rosa .....                       | 253.65                  | 276.43    | 279.80     | 38.2                 | 38.5      | 38.7       | 6.64                    | 7.18      | 7.23       |
| Stockton .....                         | 291.43                  | 317.00    | 322.14     | 38.6                 | 38.8      | 39.0       | 7.55                    | 8.17      | 8.26       |
| Vallejo—Fairfield—Napa .....           | 301.39                  | 299.30    | 301.55     | 39.5                 | 36.5      | 37.0       | 7.63                    | 8.20      | 8.15       |
| <b>COLORADO</b> .....                  | 266.17                  | 280.67    | 280.41     | 39.2                 | 39.2      | 39.0       | 6.79                    | 7.16      | 7.19       |
| Denver—Boulder .....                   | 263.74                  | 281.19    | 283.97     | 38.9                 | 39.0      | 38.9       | 6.78                    | 7.21      | 7.30       |
| <b>CONNECTICUT</b> .....               | 266.66                  | 293.70    | 293.23     | 41.6                 | 41.6      | 41.3       | 6.41                    | 7.06      | 7.10       |
| Bridgeport .....                       | 287.31                  | 304.68    | (*)        | 43.4                 | 42.2      | (*)        | 6.62                    | 7.22      | (*)        |
| Hartford .....                         | 297.08                  | 318.78    | (*)        | 42.5                 | 42.0      | (*)        | 6.99                    | 7.59      | (*)        |
| New Britain .....                      | 277.72                  | 308.00    | (*)        | 42.4                 | 42.6      | (*)        | 6.55                    | 7.23      | (*)        |
| New Haven—West Haven .....             | 271.17                  | 283.01    | (*)        | 41.4                 | 40.2      | (*)        | 6.55                    | 7.04      | (*)        |
| Stamford .....                         | 281.43                  | 281.54    | (*)        | 43.7                 | 42.4      | (*)        | 6.44                    | 6.64      | (*)        |
| Waterbury .....                        | 235.41                  | 248.35    | (*)        | 41.3                 | 41.6      | (*)        | 5.70                    | 5.97      | (*)        |
| <b>DELAWARE</b> .....                  | 276.21                  | 299.02    | 297.18     | 39.8                 | 39.5      | 39.0       | 6.94                    | 7.57      | 7.62       |
| Wilmington .....                       | 319.20                  | 348.69    | 354.99     | 40.0                 | 39.4      | 39.4       | 7.98                    | 8.85      | 9.01       |
| <b>DISTRICT OF COLUMBIA:</b>           |                         |           |            |                      |           |            |                         |           |            |
| Washington SMSA .....                  | 302.61                  | 313.68    | (*)        | 39.3                 | 38.3      | (*)        | 7.70                    | 8.19      | (*)        |
| <b>FLORIDA</b> .....                   | 219.05                  | 237.98    | 237.80     | 39.9                 | 40.2      | 39.7       | 5.49                    | 5.92      | 5.99       |
| Fort Lauderdale—Hollywood .....        | 202.24                  | 229.50    | 221.82     | 39.5                 | 42.5      | 40.7       | 5.12                    | 5.40      | 5.45       |
| Jacksonville .....                     | 257.86                  | 274.04    | 277.69     | 40.8                 | 40.3      | 39.5       | 6.32                    | 6.80      | 7.03       |
| Lakeland—Winter Haven .....            | 274.74                  | 278.85    | 288.23     | 44.6                 | 42.9      | 42.7       | 6.16                    | 6.50      | 6.75       |
| Miami .....                            | 187.89                  | 207.64    | 206.03     | 38.9                 | 39.4      | 38.8       | 4.83                    | 5.27      | 5.31       |
| Orlando .....                          | 236.47                  | 259.38    | 261.02     | 40.7                 | 41.5      | 41.3       | 5.81                    | 6.25      | 6.32       |
| Pensacola .....                        | 302.97                  | 283.68    | 283.61     | 44.1                 | 40.7      | 40.4       | 6.87                    | 6.97      | 7.02       |
| Tampa—St. Petersburg .....             | 231.18                  | 250.29    | 247.90     | 40.7                 | 40.5      | 39.6       | 5.68                    | 6.18      | 6.26       |
| West Palm Beach—Boca Raton .....       | 233.93                  | 231.11    | 219.91     | 38.1                 | 38.2      | 35.7       | 6.14                    | 6.05      | 6.16       |
| <b>GEORGIA</b> .....                   | 206.19                  | 223.44    | 225.19     | 39.2                 | 39.9      | 39.3       | 5.26                    | 5.60      | 5.73       |
| Atlanta .....                          | 238.85                  | 257.24    | 267.15     | 38.4                 | 38.8      | 39.0       | 6.22                    | 6.63      | 6.85       |
| Savannah .....                         | 289.10                  | 303.78    | 314.75     | 41.3                 | 41.5      | 41.8       | 7.00                    | 7.32      | 7.53       |
| <b>HAWAII</b> .....                    | 229.80                  | 253.72    | 251.69     | 38.3                 | 37.7      | 35.4       | 6.00                    | 6.73      | 7.11       |
| Honolulu .....                         | 221.55                  | 252.30    | 253.79     | 37.3                 | 37.6      | 35.2       | 5.94                    | 6.71      | 7.21       |
| <b>IDAHO</b> .....                     | 280.32                  | 287.64    | 290.18     | 38.4                 | 37.6      | 36.5       | 7.30                    | 7.65      | 7.95       |
| Boise City .....                       | 243.20                  | 246.39    | (*)        | 39.1                 | 35.3      | (*)        | 6.22                    | 6.98      | (*)        |

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas—Continued**

| State and area                               | Average weekly earnings |           |            | Average weekly hours |           |            | Average hourly earnings |           |            |
|--|-------------------------|-----------|------------|----------------------|-----------|------------|-------------------------|-----------|------------|
|  | JULY 1979               | JUNE 1980 | JULY 1980P | JULY 1979            | JUNE 1980 | JULY 1980P | JULY 1979               | JUNE 1980 | JULY 1980P |
| <b>ILLINOIS</b> .....                        | \$298.12                | \$314.01  | \$313.08   | 40.5                 | 39.3      | 38.7       | \$7.36                  | \$7.99    | \$8.09     |
| Bloomington—Normal.....                      | 264.33                  | 289.56    | 266.02     | 40.6                 | 38.1      | 35.9       | 6.52                    | 7.60      | 7.41       |
| Champaign—Urbana—Rantoul.....                | 258.52                  | 251.69    | 233.86     | 38.5                 | 35.3      | 33.6       | 6.72                    | 7.13      | 6.96       |
| Chicago SMSA.....                            | 282.39                  | 295.21    | 290.69     | 40.1                 | 39.1      | 38.4       | 7.04                    | 7.55      | 7.57       |
| Davenport—Rock Island—Moline.....            | 340.25                  | 372.01    | 354.92     | 39.1                 | 39.2      | 38.0       | 8.71                    | 9.49      | 9.34       |
| Decatur.....                                 | 331.07                  | 332.10    | 322.01     | 40.8                 | 36.9      | 36.1       | 8.12                    | 9.00      | 8.92       |
| Peoria.....                                  | 341.90                  | 384.51    | 360.51     | 37.9                 | 38.8      | 36.9       | 9.03                    | 9.91      | 9.77       |
| Rockford.....                                | 289.26                  | 304.56    | 297.18     | 40.6                 | 39.4      | 38.1       | 7.13                    | 7.73      | 7.80       |
| Springfield.....                             | 325.13                  | 303.43    | 310.18     | 42.3                 | 37.6      | 38.2       | 7.69                    | 8.07      | 8.12       |
| <b>INDIANA</b> .....                         | 319.52                  | 326.88    | 324.10     | 40.6                 | 39.1      | 38.4       | 7.87                    | 8.36      | 8.44       |
| Gary—Hammond—East Chicago.....               | 435.35                  | 424.78    | (*)        | 41.7                 | 38.2      | (*)        | 10.44                   | 11.12     | (*)        |
| Indianapolis.....                            | 314.52                  | 334.62    | (*)        | 40.9                 | 39.6      | (*)        | 7.69                    | 8.45      | (*)        |
| <b>IOWA</b> .....                            | 321.07                  | 338.04    | 352.29     | 40.9                 | 38.9      | 39.1       | 7.85                    | 8.69      | 9.01       |
| Cedar Rapids.....                            | 317.90                  | 333.89    | 336.66     | 40.6                 | 38.6      | 38.3       | 7.83                    | 8.65      | 8.79       |
| Des Moines.....                              | 317.91                  | 349.08    | 330.04     | 39.2                 | 39.4      | 37.0       | 8.11                    | 8.86      | 8.92       |
| Dubuque.....                                 | 445.05                  | 400.93    | 454.57     | 46.7                 | 38.7      | 47.4       | 9.53                    | 10.36     | 9.59       |
| Sioux City.....                              | 288.64                  | 330.72    | 332.38     | 41.0                 | 41.6      | 41.6       | 7.04                    | 7.95      | 7.99       |
| Waterloo—Cedar Falls.....                    | 458.34                  | 450.18    | 517.41     | 47.3                 | 41.0      | 47.6       | 9.69                    | 10.98     | 10.87      |
| <b>KANSAS</b> .....                          | 269.94                  | 293.06    | 292.00     | 40.9                 | 40.2      | 39.3       | 6.60                    | 7.29      | 7.43       |
| Topeka.....                                  | 275.25                  | 291.40    | 297.00     | 40.3                 | 39.7      | 39.6       | 6.83                    | 7.34      | 7.50       |
| Wichita.....                                 | 295.30                  | 326.43    | 320.97     | 40.9                 | 40.4      | 39.0       | 7.22                    | 8.08      | 8.23       |
| <b>KENTUCKY</b> .....                        | 263.64                  | 281.35    | 278.23     | 39.0                 | 38.7      | 37.7       | 6.76                    | 7.27      | 7.38       |
| Lexington—Fayette.....                       | 261.22                  | 269.25    | 277.81     | 38.7                 | 37.5      | 37.9       | 6.75                    | 7.18      | 7.33       |
| Louisville.....                              | 305.24                  | 331.10    | 290.44     | 39.9                 | 39.7      | 34.7       | 7.65                    | 8.34      | 8.37       |
| <b>LOUISIANA</b> .....                       | 280.10                  | 319.42    | 322.18     | 39.9                 | 41.7      | 41.2       | 7.02                    | 7.66      | 7.82       |
| Baton Rouge.....                             | 377.97                  | 426.51    | 425.00     | 43.0                 | 43.7      | 43.5       | 8.79                    | 9.76      | 9.77       |
| New Orleans.....                             | 253.60                  | 307.52    | 297.61     | 36.7                 | 41.5      | 38.5       | 6.91                    | 7.41      | 7.73       |
| Shreveport.....                              | 244.28                  | 264.50    | 257.56     | 39.4                 | 38.5      | 37.6       | 6.20                    | 6.87      | 6.85       |
| <b>MAINE</b> .....                           | 219.89                  | 231.08    | 241.79     | 40.2                 | 39.3      | 39.9       | 5.37                    | 5.88      | 6.06       |
| Lawiston—Auburn.....                         | 177.93                  | 185.26    | (*)        | 38.1                 | 37.2      | (*)        | 4.67                    | 4.98      | (*)        |
| Portland.....                                | 204.09                  | 223.68    | (*)        | 38.8                 | 38.9      | (*)        | 5.26                    | 5.75      | (*)        |
| <b>MARYLAND</b> .....                        | 284.00                  | 294.06    | 295.25     | 40.0                 | 39.0      | 38.9       | 7.10                    | 7.54      | 7.59       |
| Baltimore.....                               | 300.51                  | 312.05    | 314.82     | 40.5                 | 39.6      | 39.6       | 7.42                    | 7.88      | 7.95       |
| <b>MASSACHUSETTS</b> .....                   | (*)                     | 255.12    | 253.76     | (*)                  | 39.8      | 39.1       | (*)                     | 6.41      | 6.49       |
| Boston.....                                  | (*)                     | 275.81    | 277.07     | (*)                  | 39.8      | 39.3       | (*)                     | 6.93      | 7.05       |
| Brockton.....                                | (*)                     | 204.61    | 198.78     | (*)                  | 39.5      | 38.3       | (*)                     | 5.18      | 5.19       |
| Fall River.....                              | (*)                     | 188.78    | 187.31     | (*)                  | 36.8      | 36.3       | (*)                     | 5.13      | 5.16       |
| Lawrence—Haverhill.....                      | (*)                     | 271.58    | 268.37     | (*)                  | 41.4      | 40.6       | (*)                     | 6.56      | 6.61       |
| Lowell.....                                  | (*)                     | 217.97    | 231.81     | (*)                  | 35.5      | 38.7       | (*)                     | 6.14      | 5.99       |
| New Bedford.....                             | (*)                     | 212.63    | 214.64     | (*)                  | 37.5      | 37.2       | (*)                     | 5.67      | 5.77       |
| Springfield—Chicopee—Holyoke.....            | (*)                     | 259.43    | 255.17     | (*)                  | 40.6      | 39.5       | (*)                     | 6.39      | 6.46       |
| Worcester.....                               | (*)                     | 260.95    | 256.50     | (*)                  | 39.9      | 39.1       | (*)                     | 6.54      | 6.56       |
| <b>MICHIGAN</b> .....                        | (*)                     | 369.29    | 366.16     | (*)                  | 39.5      | 39.3       | (*)                     | 9.35      | 9.32       |
| Ann Arbor.....                               | (*)                     | 395.71    | 383.17     | (*)                  | 40.1      | 39.4       | (*)                     | 9.87      | 9.73       |
| Battle Creek.....                            | (*)                     | 395.01    | 389.15     | (*)                  | 41.1      | 40.6       | (*)                     | 9.61      | 9.59       |
| Bay City.....                                | (*)                     | 335.60    | 336.35     | (*)                  | 39.9      | 39.8       | (*)                     | 8.41      | 8.45       |
| Detroit.....                                 | (*)                     | 403.61    | 403.85     | (*)                  | 40.2      | 40.3       | (*)                     | 10.04     | 10.02      |
| Flint.....                                   | (*)                     | 419.89    | 437.05     | (*)                  | 39.4      | 40.8       | (*)                     | 10.66     | 10.71      |
| Grand Rapids.....                            | (*)                     | 311.85    | 302.46     | (*)                  | 39.5      | 38.5       | (*)                     | 7.90      | 7.86       |
| Jackson.....                                 | (*)                     | 341.54    | 336.28     | (*)                  | 41.1      | 39.9       | (*)                     | 8.31      | 8.43       |
| Kalamazoo—Portage.....                       | (*)                     | 335.65    | 336.84     | (*)                  | 39.6      | 38.9       | (*)                     | 8.48      | 8.66       |
| Lansing—East Lansing.....                    | (*)                     | 377.64    | 350.05     | (*)                  | 38.0      | 35.1       | (*)                     | 9.94      | 9.97       |
| Muskegon—Norton Shores—Muskegon Heights..... | (*)                     | 327.60    | 323.97     | (*)                  | 39.7      | 39.6       | (*)                     | 8.25      | 8.18       |
| Saginaw.....                                 | (*)                     | 392.59    | 401.56     | (*)                  | 37.4      | 38.6       | (*)                     | 10.50     | 10.40      |
| <b>MINNESOTA</b> .....                       | 273.24                  | 294.06    | 291.07     | 39.6                 | 39.0      | 38.4       | 6.90                    | 7.54      | 7.58       |
| Duluth—Superior.....                         | 257.24                  | 276.86    | 273.77     | 38.8                 | 38.4      | 37.4       | 6.63                    | 7.21      | 7.32       |
| Minneapolis—St. Paul.....                    | 292.19                  | 314.40    | 311.15     | 39.7                 | 39.3      | 38.7       | 7.36                    | 8.00      | 8.04       |
| St. Cloud.....                               | 207.94                  | 211.76    | 210.52     | 37.4                 | 34.1      | 33.9       | 5.56                    | 6.21      | 6.21       |

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas—Continued**

| State and area                            | Average weekly earnings |              |               | Average weekly hours |              |               | Average hourly earnings |              |               |
|---|-------------------------|--------------|---------------|----------------------|--------------|---------------|-------------------------|--------------|---------------|
|   | JULY<br>1979            | JUNE<br>1980 | JULY<br>1980P | JULY<br>1979         | JUNE<br>1980 | JULY<br>1980P | JULY<br>1979            | JUNE<br>1980 | JULY<br>1980P |
| <b>MISSISSIPPI</b> .....                  | \$192.76                | \$207.58     | \$204.82      | 39.1                 | 38.8         | 38.0          | \$4.93                  | \$5.35       | \$5.39        |
| Jackson.....                              | 224.68                  | 235.53       | 229.12        | 41.0                 | 40.4         | 39.3          | 5.48                    | 5.83         | 5.83          |
| <b>MISSOURI</b> .....                     | 260.35                  | 280.41       | 275.80        | 38.8                 | 39.0         | 38.2          | 6.71                    | 7.19         | 7.22          |
| Kansas City.....                          | 299.65                  | 312.03       | 309.19        | 39.9                 | 39.2         | 38.6          | 7.51                    | 7.96         | 8.01          |
| St. Joseph.....                           | 250.58                  | 273.78       | 278.00        | 39.4                 | 40.5         | 40.0          | 6.36                    | 6.76         | 6.95          |
| St. Louis.....                            | 294.47                  | 315.44       | 313.34        | 38.9                 | 38.8         | 38.4          | 7.57                    | 8.13         | 8.16          |
| Springfield.....                          | 240.98                  | 255.71       | 239.73        | 39.7                 | 39.4         | 37.4          | 6.07                    | 6.49         | 6.41          |
| <b>MONTANA</b> .....                      | 361.65                  | 388.94       | 389.76        | 42.9                 | 43.8         | 43.5          | 8.43                    | 8.88         | 8.96          |
| <b>NEBRASKA</b> .....                     | 268.04                  | 298.49       | 295.81        | 41.3                 | 40.5         | 39.6          | 6.49                    | 7.37         | 7.47          |
| Lincoln.....                              | 255.42                  | 270.31       | 264.63        | 38.7                 | 37.7         | 36.3          | 6.60                    | 7.17         | 7.29          |
| Omaha.....                                | 281.93                  | 310.54       | 306.03        | 40.8                 | 40.7         | 39.9          | 6.91                    | 7.63         | 7.67          |
| <b>NEVADA</b> .....                       | 257.94                  | 291.47       | 292.88        | 38.1                 | 38.1         | 37.5          | 6.77                    | 7.65         | 7.81          |
| Las Vegas.....                            | 312.12                  | 360.08       | (*)           | 36.0                 | 39.7         | (*)           | 8.67                    | 9.07         | (*)           |
| <b>NEW HAMPSHIRE</b> .....                | (*)                     | 230.40       | 227.56        | (*)                  | 40.0         | 39.1          | (*)                     | 5.76         | 5.82          |
| Manchester.....                           | (*)                     | 210.79       | 212.07        | (*)                  | 39.4         | 39.2          | (*)                     | 5.35         | 5.41          |
| Nashua.....                               | (*)                     | 245.81       | 241.30        | (*)                  | 40.1         | 39.3          | (*)                     | 6.13         | 6.14          |
| <b>NEW JERSEY</b> .....                   | 274.23                  | 296.02       | 294.26        | 41.3                 | 41.0         | 40.7          | 6.64                    | 7.22         | 7.23          |
| Atlantic City.....                        | 198.51                  | 209.21       | 210.21        | 39.0                 | 38.6         | 38.5          | 5.09                    | 5.42         | 5.46          |
| Camden.....                               | 269.43                  | 295.89       | 298.28        | 40.7                 | 40.7         | 40.2          | 6.62                    | 7.27         | 7.42          |
| Hackensack.....                           | 258.49                  | 278.22       | 267.21        | 42.1                 | 41.9         | 41.3          | 6.14                    | 6.64         | 6.47          |
| Jersey City.....                          | 265.98                  | 292.03       | 291.20        | 40.3                 | 40.9         | 40.5          | 6.60                    | 7.14         | 7.19          |
| New Brunswick—Perth Amboy—Sayreville..... | 299.06                  | 318.75       | 321.11        | 40.8                 | 39.4         | 39.4          | 7.33                    | 8.09         | 8.15          |
| Newark.....                               | 278.70                  | 299.84       | (*)           | 42.1                 | 41.3         | (*)           | 6.62                    | 7.26         | (*)           |
| Paterson—Clifton—Passaic.....             | 253.89                  | 277.57       | 264.88        | 40.3                 | 41.0         | 39.3          | 6.30                    | 6.77         | 6.74          |
| Trenton.....                              | 283.56                  | 294.10       | 289.64        | 40.8                 | 38.8         | 39.3          | 6.95                    | 7.58         | 7.38          |
| <b>NEW MEXICO</b> .....                   | 216.78                  | 224.25       | 229.32        | 39.2                 | 39.0         | 39.2          | 5.53                    | 5.75         | 5.85          |
| Albuquerque.....                          | 213.79                  | 235.22       | 259.08        | 38.8                 | 39.6         | 40.8          | 5.51                    | 5.94         | 6.35          |
| <b>NEW YORK</b> .....                     | 257.94                  | 279.42       | 279.03        | 39.2                 | 39.3         | 38.7          | 6.58                    | 7.11         | 7.21          |
| Albany—Schenectady—Troy.....              | 278.59                  | 294.52       | 302.44        | 40.2                 | 39.8         | 39.9          | 6.93                    | 7.40         | 7.58          |
| Binghamton.....                           | 239.72                  | 264.04       | 268.71        | 40.7                 | 41.0         | 40.9          | 5.89                    | 6.44         | 6.57          |
| Buffalo.....                              | 341.88                  | 362.46       | 368.95        | 40.7                 | 39.7         | 39.8          | 8.40                    | 9.13         | 9.27          |
| Elmira.....                               | 264.96                  | 289.98       | 281.13        | 40.7                 | 40.9         | 39.1          | 6.51                    | 7.09         | 7.19          |
| Monroe County.....                        | 333.32                  | 369.90       | 366.06        | 41.1                 | 41.1         | 40.9          | 8.11                    | 9.00         | 8.95          |
| Nassau—Suffolk.....                       | 240.30                  | 269.84       | 271.17        | 39.2                 | 39.8         | 39.3          | 6.13                    | 6.78         | 6.90          |
| New York—Northeastern New Jersey.....     | 247.04                  | 267.24       | 264.41        | 39.4                 | 39.3         | 38.6          | 6.27                    | 6.80         | 6.85          |
| New York and Nassau—Suffolk.....          | 224.69                  | 245.10       | 243.94        | 37.7                 | 38.0         | 37.3          | 5.96                    | 6.45         | 6.54          |
| New York SMSA.....                        | 220.82                  | 239.14       | 236.35        | 37.3                 | 37.6         | 36.7          | 5.92                    | 6.36         | 6.44          |
| New York City.....                        | 215.65                  | 234.47       | 234.33        | 36.8                 | 37.1         | 36.5          | 5.86                    | 6.32         | 6.42          |
| Poughkeepsie.....                         | 269.01                  | 280.78       | 294.69        | 42.7                 | 40.4         | 41.1          | 6.30                    | 6.95         | 7.17          |
| Rochester.....                            | 314.61                  | 348.84       | 343.80        | 40.7                 | 40.8         | 40.4          | 7.73                    | 8.55         | 8.51          |
| Rockland County.....                      | 248.35                  | 269.79       | 270.68        | 39.8                 | 39.5         | 39.4          | 6.24                    | 6.83         | 6.87          |
| Syracuse.....                             | 284.72                  | 314.08       | 309.91        | 40.5                 | 41.6         | 40.3          | 7.03                    | 7.55         | 7.69          |
| Utica—Rome.....                           | 244.51                  | 267.70       | 269.39        | 39.5                 | 39.6         | 39.5          | 6.19                    | 6.76         | 6.82          |
| Westchester County.....                   | 262.03                  | 271.67       | 252.18        | 41.2                 | 41.1         | 38.5          | 6.36                    | 6.61         | 6.55          |
| <b>NORTH CAROLINA</b> .....               | 192.76                  | 203.95       | (*)           | 39.5                 | 38.7         | (*)           | 4.88                    | 5.27         | (*)           |
| Asheville.....                            | 193.19                  | 201.76       | (*)           | 40.5                 | 38.8         | (*)           | 4.77                    | 5.20         | (*)           |
| Charlotte—Gastonia.....                   | 196.26                  | 206.04       | (*)           | 40.3                 | 39.7         | (*)           | 4.87                    | 5.19         | (*)           |
| Greensboro—Winston-Salem—High Point.....  | 209.08                  | 226.78       | (*)           | 39.3                 | 38.7         | (*)           | 5.32                    | 5.86         | (*)           |
| Raleigh—Durham.....                       | 220.40                  | 242.40       | (*)           | 40.0                 | 40.0         | (*)           | 5.51                    | 6.06         | (*)           |
| <b>NORTH DAKOTA</b> .....                 | 231.99                  | 244.40       | 248.16        | 38.6                 | 37.2         | 37.6          | 6.01                    | 6.57         | 6.60          |
| Fargo—Moorhead.....                       | 254.76                  | 270.47       | 262.75        | 38.6                 | 37.0         | 35.7          | 6.60                    | 7.31         | 7.36          |
| <b>OHIO</b> .....                         | 324.66                  | 338.80       | 337.05        | 41.2                 | 40.0         | 39.7          | 7.88                    | 8.47         | 8.49          |
| Akron.....                                | 310.54                  | 356.42       | 358.03        | 40.7                 | 41.3         | 41.2          | 7.63                    | 8.63         | 8.69          |
| Canton.....                               | 337.77                  | 328.86       | 323.74        | 41.7                 | 37.8         | 37.6          | 8.10                    | 8.70         | 8.61          |
| Cincinnati.....                           | 304.20                  | 330.03       | 324.01        | 41.5                 | 41.1         | 40.4          | 7.33                    | 8.03         | 8.02          |
| Cleveland.....                            | 337.60                  | 338.75       | 335.07        | 42.2                 | 39.9         | 39.7          | 8.00                    | 8.49         | 8.44          |
| Columbus.....                             | 278.87                  | 295.62       | 300.68        | 39.5                 | 39.0         | 39.1          | 7.06                    | 7.58         | 7.69          |
| Dayton.....                               | 334.51                  | 345.61       | 342.23        | 41.4                 | 40.9         | 40.5          | 8.08                    | 8.45         | 8.45          |
| Toledo.....                               | 325.61                  | 351.08       | 346.26        | 40.1                 | 40.4         | 39.8          | 8.12                    | 8.69         | 8.70          |
| Youngstown—Warren.....                    | 386.87                  | 392.34       | 392.03        | 41.2                 | 39.0         | 38.7          | 9.39                    | 10.06        | 10.13         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas—Continued**

| State and area                            | Average weekly earnings |           |            | Average weekly hours |           |            | Average hourly earnings |           |            |
|---|-------------------------|-----------|------------|----------------------|-----------|------------|-------------------------|-----------|------------|
|   | JULY 1979               | JUNE 1980 | JULY 1980P | JULY 1979            | JUNE 1980 | JULY 1980P | JULY 1979               | JUNE 1980 | JULY 1980P |
| <b>OKLAHOMA</b> .....                     | \$265.28                | \$291.73  | \$286.69   | 40.5                 | 39.8      | 38.9       | \$6.55                  | \$7.33    | \$7.37     |
| Oklahoma City.....                        | 259.94                  | 308.03    | 308.07     | 41.0                 | 39.9      | 39.7       | 6.34                    | 7.72      | 7.76       |
| Tulsa.....                                | 287.28                  | 308.50    | 305.71     | 39.9                 | 39.4      | 38.6       | 7.20                    | 7.83      | 7.92       |
| <b>OREGON</b> .....                       | 316.65                  | 329.56    | 332.61     | 38.9                 | 38.5      | 38.1       | 8.14                    | 8.56      | 8.73       |
| Eugene—Springfield.....                   | 352.35                  | 387.29    | 388.86     | 40.5                 | 42.7      | 41.5       | 8.70                    | 9.07      | 9.37       |
| Jackson County.....                       | 348.60                  | 345.93    | (*)        | 41.5                 | 39.0      | (*)        | 8.40                    | 8.87      | (*)        |
| Portland.....                             | 296.35                  | 316.59    | (*)        | 37.8                 | 37.6      | (*)        | 7.84                    | 8.42      | (*)        |
| <b>PENNSYLVANIA</b> .....                 | 277.31                  | 287.98    | (*)        | 39.9                 | 38.5      | (*)        | 6.95                    | 7.48      | (*)        |
| Allentown—Bethlehem—Easton.....           | 278.74                  | 295.64    | (*)        | 38.5                 | 38.0      | (*)        | 7.24                    | 7.78      | (*)        |
| Altoona.....                              | 237.16                  | 256.03    | (*)        | 39.2                 | 38.5      | (*)        | 6.05                    | 6.65      | (*)        |
| Delaware Valley.....                      | 282.49                  | 297.50    | (*)        | 39.9                 | 39.3      | (*)        | 7.08                    | 7.57      | (*)        |
| Erie.....                                 | 282.40                  | 308.51    | (*)        | 40.4                 | 40.7      | (*)        | 6.99                    | 7.58      | (*)        |
| Harrisburg.....                           | 265.74                  | 279.60    | (*)        | 41.2                 | 40.0      | (*)        | 6.45                    | 6.99      | (*)        |
| Johnstown.....                            | 302.30                  | 313.90    | (*)        | 40.2                 | 36.5      | (*)        | 7.52                    | 8.60      | (*)        |
| Lancaster.....                            | 245.01                  | 260.55    | (*)        | 40.7                 | 39.9      | (*)        | 6.02                    | 6.53      | (*)        |
| Northeast Pennsylvania.....               | 197.16                  | 214.76    | (*)        | 37.2                 | 36.9      | (*)        | 5.30                    | 5.82      | (*)        |
| Philadelphia SMSA.....                    | 280.40                  | 297.44    | (*)        | 40.0                 | 39.5      | (*)        | 7.01                    | 7.53      | (*)        |
| Pittsburgh.....                           | 349.42                  | 345.33    | (*)        | 41.4                 | 38.2      | (*)        | 8.44                    | 9.04      | (*)        |
| Reading.....                              | 244.22                  | 270.90    | (*)        | 38.1                 | 38.7      | (*)        | 6.41                    | 7.00      | (*)        |
| Scranton.....                             | 197.11                  | 204.84    | (*)        | 38.2                 | 36.0      | (*)        | 5.16                    | 5.69      | (*)        |
| Wilkes-Barre—Hazleton.....                | 195.66                  | 220.88    | (*)        | 36.3                 | 37.5      | (*)        | 5.39                    | 5.89      | (*)        |
| Williamsport.....                         | 236.74                  | 268.13    | (*)        | 38.0                 | 39.2      | (*)        | 6.23                    | 6.84      | (*)        |
| York.....                                 | 255.23                  | 267.87    | (*)        | 41.3                 | 40.1      | (*)        | 6.18                    | 6.68      | (*)        |
| <b>RHODE ISLAND</b> .....                 | 199.17                  | 218.12    | (*)        | 38.9                 | 39.3      | (*)        | 5.12                    | 5.55      | (*)        |
| Providence—Warwick—Pawtucket.....         | 198.90                  | 216.54    | (*)        | 39.0                 | 39.3      | (*)        | 5.10                    | 5.51      | (*)        |
| <b>SOUTH CAROLINA</b> .....               | 207.98                  | 217.40    | 216.72     | 40.7                 | 39.6      | 38.7       | 5.11                    | 5.49      | 5.60       |
| Charleston—North Charleston.....          | 230.22                  | 256.64    | 255.52     | 39.9                 | 40.1      | 39.8       | 5.77                    | 6.40      | 6.42       |
| Columbia.....                             | 201.49                  | 210.60    | 211.63     | 39.2                 | 38.5      | 38.2       | 5.14                    | 5.47      | 5.54       |
| Greenville—Spartanburg.....               | 207.14                  | 211.68    | 209.34     | 41.1                 | 39.2      | 38.2       | 5.04                    | 5.40      | 5.48       |
| <b>SOUTH DAKOTA</b> .....                 | 252.11                  | 266.91    | 267.05     | 44.7                 | 41.0      | 39.1       | 5.64                    | 6.51      | 6.83       |
| Rapid City.....                           | 174.03                  | 195.89    | 198.90     | 35.3                 | 31.8      | 32.5       | 4.93                    | 6.16      | 6.12       |
| Sioux Falls.....                          | 363.79                  | 376.20    | 380.25     | 52.8                 | 45.6      | 45.0       | 6.89                    | 8.25      | 8.45       |
| <b>TENNESSEE</b> .....                    | 219.94                  | 238.73    | (*)        | 39.7                 | 39.2      | (*)        | 5.54                    | 6.09      | (*)        |
| Chattanooga.....                          | 216.94                  | 242.35    | (*)        | 39.3                 | 40.8      | (*)        | 5.52                    | 5.94      | (*)        |
| Knoxville.....                            | 264.71                  | 280.99    | (*)        | 40.6                 | 39.8      | (*)        | 6.52                    | 7.06      | (*)        |
| Memphis.....                              | 246.96                  | 276.86    | (*)        | 39.2                 | 40.3      | (*)        | 6.30                    | 6.87      | (*)        |
| Nashville—Davidson.....                   | 238.40                  | 256.24    | (*)        | 40.0                 | 39.3      | (*)        | 5.96                    | 6.52      | (*)        |
| <b>TEXAS</b> .....                        | 262.44                  | 293.04    | 292.73     | 40.5                 | 41.1      | 40.6       | 6.48                    | 7.13      | 7.21       |
| Amarillo.....                             | 248.71                  | 291.99    | 288.42     | 38.5                 | 41.3      | 41.8       | 6.46                    | 7.07      | 6.90       |
| Austin.....                               | 196.32                  | 235.82    | 233.95     | 39.5                 | 41.3      | 40.9       | 4.97                    | 5.71      | 5.72       |
| Beaumont—Port Arthur—Orange.....          | 385.56                  | 419.25    | 425.96     | 42.0                 | 41.8      | 42.3       | 9.18                    | 10.03     | 10.07      |
| Corpus Christi.....                       | 279.20                  | 310.31    | 308.70     | 40.7                 | 40.3      | 40.3       | 6.86                    | 7.70      | 7.66       |
| Dallas—Fort Worth.....                    | 237.40                  | 274.32    | 270.24     | 39.5                 | 40.7      | 39.0       | 6.01                    | 6.74      | 6.79       |
| El Paso.....                              | 185.11                  | 209.75    | 196.84     | 37.7                 | 39.8      | 38.0       | 4.91                    | 5.27      | 5.18       |
| Galveston—Texas City.....                 | 411.74                  | 460.51    | 457.06     | 42.1                 | 43.2      | 43.2       | 9.78                    | 10.66     | 10.58      |
| Houston.....                              | 327.68                  | 360.77    | 363.78     | 42.5                 | 43.0      | 43.0       | 7.71                    | 8.39      | 8.46       |
| Lubbock.....                              | 196.21                  | 231.24    | 232.40     | 39.4                 | 41.0      | 41.5       | 4.98                    | 5.64      | 5.60       |
| San Antonio.....                          | 188.80                  | 216.42    | 217.15     | 40.0                 | 41.7      | 41.6       | 4.72                    | 5.19      | 5.22       |
| Waco.....                                 | 224.16                  | 237.70    | 250.34     | 40.1                 | 38.4      | 39.3       | 5.59                    | 6.19      | 6.37       |
| Wichita Falls.....                        | 236.12                  | 246.27    | 254.28     | 38.9                 | 38.6      | 39.0       | 6.07                    | 6.38      | 6.52       |
| <b>UTAH</b> .....                         | 245.36                  | 277.69    | 270.36     | 38.7                 | 39.5      | 38.9       | 6.34                    | 7.03      | 6.95       |
| Salt Lake City—Ogden.....                 | 229.88                  | 264.53    | 257.57     | 38.7                 | 39.6      | 38.5       | 5.94                    | 6.68      | 6.69       |
| <b>VERMONT</b> .....                      | 220.65                  | 243.41    | 246.93     | 39.9                 | 40.3      | 39.7       | 5.53                    | 6.04      | 6.22       |
| Burlington.....                           | 242.49                  | 261.66    | 272.35     | 41.1                 | 41.6      | 41.9       | 5.90                    | 6.29      | 6.50       |
| Springfield.....                          | 246.14                  | 289.26    | 263.64     | 39.7                 | 41.8      | 38.6       | 6.20                    | 6.92      | 6.83       |
| <b>VIRGINIA</b> .....                     | 222.16                  | 240.07    | 244.44     | 39.6                 | 39.1      | 38.8       | 5.61                    | 6.14      | 6.30       |
| Bristol.....                              | 201.08                  | 208.07    | 212.74     | 37.1                 | 37.9      | 38.4       | 5.42                    | 5.49      | 5.54       |
| Lynchburg.....                            | 226.89                  | 228.34    | 216.67     | 40.3                 | 38.9      | 36.6       | 5.63                    | 5.87      | 5.92       |
| Norfolk—Virginia Beach—Portsmouth.....    | 263.13                  | 253.92    | 257.75     | 41.7                 | 39.8      | 39.9       | 6.31                    | 6.38      | 6.46       |
| Northern Virginia.....                    | 252.28                  | 271.36    | 267.63     | 40.3                 | 39.5      | 38.9       | 6.26                    | 6.87      | 6.88       |
| Petersburg—Colonial Heights—Hopewell..... | 259.66                  | 300.75    | 275.08     | 37.2                 | 40.1      | 36.1       | 6.98                    | 7.50      | 7.62       |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS**

**C-13. Gross hours and earnings of production workers on manufacturing payrolls by State and selected areas—Continued**

| State and area              | Average weekly earnings |              |               | Average weekly hours |              |               | Average hourly earnings |              |               |
|-----------------------------|-------------------------|--------------|---------------|----------------------|--------------|---------------|-------------------------|--------------|---------------|
|                             | JULY<br>1979            | JUNE<br>1980 | JULY<br>1980P | JULY<br>1979         | JUNE<br>1980 | JULY<br>1980P | JULY<br>1979            | JUNE<br>1980 | JULY<br>1980P |
| <b>VIRGINIA—Continued</b>   |                         |              |               |                      |              |               |                         |              |               |
| Richmond .....              | \$272.92                | \$313.23     | \$310.81      | 39.9                 | 39.7         | 38.9          | \$6.84                  | \$7.89       | \$7.99        |
| Roanoke .....               | 199.17                  | 229.88       | 222.48        | 38.9                 | 40.4         | 39.1          | 5.12                    | 5.69         | 5.69          |
| <b>WASHINGTON</b> .....     | 323.85                  | 343.09       | 360.43        | 38.1                 | 39.0         | 37.9          | 8.50                    | 9.31         | 9.51          |
| Seattle—Everett .....       | 334.84                  | 349.72       | (*)           | 38.8                 | 39.0         | (*)           | 8.63                    | 9.48         | (*)           |
| Spokane .....               | 283.79                  | 334.25       | (*)           | 37.0                 | 38.2         | (*)           | 7.67                    | 8.75         | (*)           |
| Tacoma .....                | 312.75                  | 365.00       | (*)           | 37.1                 | 38.3         | (*)           | 8.43                    | 9.53         | (*)           |
| <b>WEST VIRGINIA</b> .....  | 287.96                  | 308.46       | 305.47        | 39.5                 | 38.8         | 37.9          | 7.29                    | 7.95         | 8.06          |
| Charleston .....            | 321.57                  | 362.71       | 359.31        | 41.6                 | 41.5         | 40.6          | 7.73                    | 8.74         | 8.85          |
| Huntington—Ashland .....    | 316.61                  | 358.29       | 342.80        | 38.8                 | 39.2         | 36.9          | 8.16                    | 9.14         | 9.29          |
| Parkersburg—Marietta .....  | 311.41                  | 339.89       | 339.05        | 41.8                 | 41.0         | 40.8          | 7.45                    | 8.29         | 8.31          |
| Wheeling .....              | 310.59                  | 328.77       | 322.41        | 40.6                 | 39.0         | 38.2          | 7.65                    | 8.43         | 8.44          |
| <b>WISCONSIN</b> .....      | 291.02                  | 318.63       | 317.55        | 40.5                 | 39.8         | 39.7          | 7.18                    | 8.00         | 7.99          |
| Appleton—Oshkosh .....      | 296.77                  | 307.68       | 307.18        | 42.0                 | 40.5         | 40.8          | 7.07                    | 7.60         | 7.56          |
| Eau Claire .....            | 288.05                  | 315.74       | 320.85        | 40.6                 | 40.6         | 40.8          | 7.10                    | 7.78         | 7.87          |
| Green Bay .....             | 302.12                  | 339.17       | 331.48        | 41.3                 | 42.0         | 41.4          | 7.31                    | 8.07         | 8.00          |
| Janesville—Beloit .....     | 303.93                  | 315.41       | 311.34        | 37.8                 | 39.6         | 40.3          | 8.03                    | 7.97         | 7.73          |
| Kenosha .....               | 329.55                  | 384.26       | 364.01        | 40.1                 | 41.2         | 39.3          | 8.23                    | 9.33         | 9.26          |
| La Crosse .....             | 234.56                  | 288.99       | 273.05        | 39.8                 | 40.8         | 40.1          | 5.89                    | 7.08         | 6.81          |
| Madison .....               | 299.38                  | 319.03       | 328.02        | 40.2                 | 38.5         | 39.2          | 7.44                    | 8.28         | 8.37          |
| Milwaukee .....             | 318.56                  | 351.52       | 351.21        | 40.4                 | 40.1         | 39.8          | 7.89                    | 8.77         | 8.87          |
| Racine .....                | 313.04                  | 343.76       | 339.77        | 40.9                 | 39.6         | 38.5          | 7.66                    | 8.69         | 8.82          |
| <b>WYOMING</b> .....        | 252.71                  | 301.04       | 324.22        | 37.0                 | 40.3         | 43.0          | 6.83                    | 7.47         | 7.54          |
| Casper .....                | 322.37                  | 308.91       | 332.73        | 38.7                 | 36.3         | 38.6          | 8.33                    | 8.51         | 8.62          |
| <b>VIRGIN ISLANDS</b> ..... | 266.90                  | 286.18       | 283.56        | 40.5                 | 41.0         | 40.0          | 6.59                    | 6.98         | 6.95          |

<sup>1</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>2</sup> Subarea of New York—Northeastern New Jersey.

<sup>3</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>4</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>5</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>7</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area:

Lackawanna County.

<sup>8</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

<sup>9</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.



**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-1. Labor turnover rates in manufacturing, 1970 to date**

[Per 100 employees]

| Year                     | Annual average | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|--------------------------|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| <b>Total accessions</b>  |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 4.0            | 4.0  | 3.6  | 3.7  | 3.7  | 4.2 | 5.4  | 4.4  | 5.1  | 4.7   | 3.8  | 3.0  | 2.4  |
| 1971.....                | 3.9            | 3.5  | 3.1  | 3.5  | 3.6  | 4.0 | 4.9  | 4.0  | 5.3  | 4.8   | 3.9  | 3.3  | 2.5  |
| 1972.....                | 4.5            | 4.1  | 3.7  | 4.0  | 4.1  | 4.9 | 5.4  | 4.7  | 6.1  | 5.4   | 4.8  | 3.7  | 2.7  |
| 1973.....                | 4.8            | 4.7  | 4.1  | 4.5  | 4.6  | 5.4 | 5.9  | 5.2  | 6.3  | 5.8   | 5.2  | 3.8  | 2.6  |
| 1974.....                | 4.2            | 4.2  | 3.7  | 4.1  | 4.5  | 5.1 | 5.4  | 4.9  | 5.5  | 4.9   | 3.8  | 2.4  | 1.8  |
| 1975.....                | 3.7            | 2.9  | 2.7  | 3.2  | 3.7  | 4.0 | 4.5  | 4.6  | 5.2  | 4.6   | 3.7  | 2.8  | 2.2  |
| 1976.....                | 3.9            | 3.9  | 3.5  | 4.2  | 3.9  | 4.5 | 4.8  | 4.2  | 5.1  | 4.4   | 3.5  | 2.9  | 2.2  |
| 1977.....                | 4.0            | 3.7  | 3.7  | 4.0  | 3.8  | 4.6 | 4.9  | 4.3  | 5.3  | 4.6   | 3.9  | 3.1  | 2.4  |
| 1978.....                | 4.1            | 3.8  | 3.2  | 3.8  | 4.0  | 4.7 | 4.9  | 4.4  | 5.4  | 4.9   | 4.3  | 3.3  | 2.4  |
| 1979.....                | 4.0            | 4.0  | 3.4  | 3.8  | 3.9  | 4.7 | 4.8  | 4.3  | 5.0  | 4.5   | 4.1  | 3.0  | 2.2  |
| 1980.....                |                | 3.8  | 3.3  | 3.5  | 3.1  | 3.4 | 3.9  | P3.8 |      |       |      |      |      |
| <b>New hires</b>         |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 2.8            | 2.9  | 2.5  | 2.6  | 2.6  | 2.8 | 3.9  | 3.0  | 3.5  | 3.4   | 2.7  | 1.9  | 1.4  |
| 1971.....                | 2.6            | 2.0  | 1.9  | 2.2  | 2.3  | 2.7 | 3.5  | 2.7  | 3.4  | 3.4   | 2.7  | 2.2  | 1.6  |
| 1972.....                | 3.3            | 2.6  | 2.5  | 2.8  | 2.9  | 3.7 | 4.2  | 3.5  | 4.5  | 4.3   | 3.9  | 2.9  | 2.1  |
| 1973.....                | 3.9            | 3.5  | 3.2  | 3.5  | 3.7  | 4.5 | 5.0  | 4.1  | 5.1  | 4.8   | 4.4  | 3.1  | 2.0  |
| 1974.....                | 3.2            | 3.2  | 2.8  | 3.1  | 3.3  | 4.0 | 4.3  | 3.7  | 4.2  | 3.9   | 2.9  | 1.7  | 1.0  |
| 1975.....                | 2.0            | 1.3  | 1.2  | 1.3  | 1.6  | 2.0 | 2.5  | 2.6  | 3.1  | 3.1   | 2.5  | 1.8  | 1.3  |
| 1976.....                | 2.6            | 2.1  | 2.1  | 2.7  | 2.6  | 3.1 | 3.6  | 2.9  | 3.6  | 3.2   | 2.5  | 1.9  | 1.3  |
| 1977.....                | 2.8            | 2.2  | 2.1  | 2.6  | 2.7  | 3.5 | 3.7  | 3.0  | 4.0  | 3.5   | 3.0  | 2.2  | 1.6  |
| 1978.....                | 3.1            | 2.5  | 2.2  | 2.7  | 2.9  | 3.6 | 3.9  | 3.3  | 4.2  | 3.9   | 3.5  | 2.6  | 1.7  |
| 1979.....                | 2.9            | 2.8  | 2.5  | 2.8  | 2.9  | 3.6 | 3.8  | 3.1  | 3.7  | 3.4   | 3.1  | 2.2  | 1.5  |
| 1980.....                |                | 2.4  | 2.2  | 2.3  | 2.1  | 2.1 | 2.4  | P2.1 |      |       |      |      |      |
| <b>Recalls</b>           |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1976.....                | 1.0            | 1.4  | 1.0  | 1.2  | 1.0  | 1.0 | 0.9  | 1.1  | 1.1  | 0.8   | 0.7  | 0.7  | 0.7  |
| 1977.....                | .9             | 1.2  | 1.3  | 1.1  | .9   | .8  | .8   | .9   | 1.0  | .8    | .6   | .6   | .6   |
| 1978.....                | .7             | 1.0  | .7   | .8   | .8   | .8  | .7   | .8   | .9   | .7    | .6   | .5   | .5   |
| 1979.....                | .7             | .9   | .7   | .7   | .7   | .8  | .7   | .9   | .9   | .8    | .7   | .5   | .5   |
| 1980.....                |                | 1.1  | .9   | .9   | .8   | 1.0 | 1.2  | P1.4 |      |       |      |      |      |
| <b>Total separations</b> |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 4.8            | 4.8  | 4.3  | 4.4  | 4.8  | 4.6 | 4.4  | 5.3  | 5.6  | 6.0   | 5.3  | 4.3  | 4.1  |
| 1971.....                | 4.2            | 4.2  | 3.5  | 3.7  | 3.9  | 3.7 | 3.8  | 4.8  | 5.5  | 5.3   | 4.3  | 3.7  | 3.8  |
| 1972.....                | 4.3            | 4.1  | 3.5  | 3.9  | 3.8  | 3.9 | 4.2  | 4.8  | 5.5  | 5.5   | 4.4  | 3.8  | 3.7  |
| 1973.....                | 4.7            | 4.3  | 3.8  | 4.3  | 4.2  | 4.4 | 4.5  | 5.2  | 6.5  | 5.8   | 5.0  | 4.2  | 4.0  |
| 1974.....                | 4.9            | 5.0  | 4.1  | 4.4  | 4.3  | 4.4 | 4.2  | 4.9  | 6.2  | 5.5   | 5.1  | 5.0  | 5.2  |
| 1975.....                | 4.2            | 6.1  | 4.5  | 4.2  | 4.0  | 3.9 | 3.7  | 4.4  | 4.7  | 4.4   | 4.1  | 3.5  | 3.4  |
| 1976.....                | 3.8            | 3.7  | 3.0  | 3.5  | 3.6  | 3.4 | 3.6  | 4.3  | 4.9  | 4.7   | 4.1  | 3.4  | 3.5  |
| 1977.....                | 3.8            | 3.9  | 3.4  | 3.4  | 3.4  | 3.5 | 3.5  | 4.3  | 5.1  | 4.9   | 3.8  | 3.4  | 3.4  |
| 1978.....                | 3.9            | 3.6  | 3.1  | 3.5  | 3.6  | 3.7 | 3.8  | 4.1  | 5.3  | 4.9   | 4.1  | 3.5  | 3.4  |
| 1979.....                | 4.0            | 3.8  | 3.2  | 3.6  | 3.7  | 3.8 | 3.9  | 4.3  | 5.7  | 4.7   | 4.2  | 3.8  | 3.5  |
| 1980.....                |                | 4.1  | 3.5  | 3.7  | 4.7  | 4.8 | 4.4  | P4.  |      |       |      |      |      |
| <b>Quits</b>             |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 2.1            | 2.1  | 1.9  | 2.0  | 2.1  | 2.1 | 2.1  | 2.1  | 3.0  | 3.3   | 2.1  | 1.4  | 1.2  |
| 1971.....                | 1.8            | 1.5  | 1.3  | 1.5  | 1.6  | 1.7 | 1.8  | 1.8  | 2.8  | 2.9   | 2.0  | 1.5  | 1.2  |
| 1972.....                | 2.3            | 1.7  | 1.6  | 1.9  | 2.0  | 2.2 | 2.2  | 2.2  | 3.6  | 3.5   | 2.5  | 2.0  | 1.6  |
| 1973.....                | 2.8            | 2.3  | 2.1  | 2.5  | 2.5  | 2.8 | 2.8  | 2.8  | 4.6  | 4.0   | 3.1  | 2.3  | 1.6  |
| 1974.....                | 2.4            | 2.2  | 2.0  | 2.3  | 2.4  | 2.7 | 2.5  | 2.6  | 4.0  | 3.3   | 2.2  | 1.4  | 1.0  |
| 1975.....                | 1.4            | 1.1  | .9   | 1.0  | 1.1  | 1.3 | 1.4  | 1.5  | 2.5  | 2.1   | 1.6  | 1.2  | .9   |
| 1976.....                | 1.7            | 1.3  | 1.2  | 1.6  | 1.7  | 1.7 | 1.8  | 1.9  | 2.8  | 2.5   | 1.7  | 1.2  | 1.0  |
| 1977.....                | 1.8            | 1.4  | 1.3  | 1.6  | 1.7  | 1.9 | 1.9  | 1.9  | 3.1  | 2.8   | 1.9  | 1.5  | 1.2  |
| 1978.....                | 2.1            | 1.5  | 1.4  | 1.8  | 2.0  | 2.1 | 2.2  | 2.1  | 3.5  | 3.1   | 2.3  | 1.7  | 1.3  |
| 1979.....                | 2.0            | 1.8  | 1.6  | 1.9  | 2.0  | 2.1 | 2.1  | 2.0  | 3.3  | 2.7   | 2.1  | 1.6  | 1.1  |
| 1980.....                |                | 1.6  | 1.5  | 1.6  | 1.5  | 1.5 | 1.4  | P1.4 |      |       |      |      |      |
| <b>Layoffs</b>           |                |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 1.8            | 1.7  | 1.5  | 1.6  | 1.7  | 1.5 | 1.5  | 2.3  | 1.7  | 1.7   | 2.2  | 2.1  | 2.2  |
| 1971.....                | 1.6            | 1.9  | 1.4  | 1.4  | 1.4  | 1.2 | 1.2  | 2.1  | 1.8  | 1.5   | 1.5  | 1.5  | 1.8  |
| 1972.....                | 1.1            | 1.5  | 1.1  | 1.1  | 1.0  | .9  | 1.1  | 1.7  | .9   | .9    | 1.0  | 1.0  | 1.3  |
| 1973.....                | .9             | 1.1  | .8   | .8   | .7   | .7  | .7   | 1.4  | .8   | .8    | .8   | 1.1  | 1.6  |
| 1974.....                | 1.5            | 1.8  | 1.3  | 1.1  | .9   | .8  | .8   | 1.4  | 1.1  | 1.2   | 1.8  | 2.8  | 3.6  |
| 1975.....                | 2.1            | 4.0  | 2.9  | 2.5  | 2.1  | 1.8 | 1.6  | 2.0  | 1.3  | 1.5   | 1.6  | 1.7  | 1.9  |
| 1976.....                | 1.3            | 1.6  | 1.0  | 1.1  | 1.1  | .9  | .9   | 1.6  | 1.1  | 1.3   | 1.5  | 1.5  | 1.8  |
| 1977.....                | 1.1            | 1.7  | 1.4  | 1.0  | .9   | .8  | .8   | 1.5  | 1.0  | 1.1   | 1.1  | 1.1  | 1.5  |
| 1978.....                | .9             | 1.2  | .9   | .9   | .8   | .7  | .7   | 1.1  | .8   | .8    | .9   | 1.0  | 1.4  |
| 1979.....                | 1.1            | 1.1  | .8   | .8   | .9   | .7  | .9   | 1.4  | 1.3  | 1.1   | 1.2  | 1.5  | 1.7  |
| 1980.....                |                | 1.6  | 1.2  | 1.3  | 2.3  | 2.5 | 2.2  | P2.0 |      |       |      |      |      |

p=preliminary.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-2. Labor turnover rates, by industry**

| 1972<br>SIC<br>Code | Industry  | Accession rates |                |              |                |              |                | Separation rates |                |              |                |              |                |
|---------------------|---|-----------------|----------------|--------------|----------------|--------------|----------------|------------------|----------------|--------------|----------------|--------------|----------------|
|                     |   | Total           |                | New hires    |                | Recalls      |                | Total            |                | Quits        |                | Layoffs      |                |
|                     |   | June<br>1980    | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980     | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P |
|                     | <b>MANUFACTURING</b> .....                          | 3.9             | 3.8            | 2.4          | 2.1            | 1.2          | 1.4            | 4.4              | 4.2            | 1.4          | 1.4            | 2.2          | 2.0            |
| 24, 25,<br>32-39    | <b>DURABLE GOODS</b> .....                          | 3.5             | 3.2            | 1.9          | 1.6            | 1.2          | 1.4            | 4.5              | 4.0            | 1.1          | 1.1            | 2.6          | 2.1            |
| 20-23,<br>26-31     | <b>NONDURABLE GOODS</b> .....                       | 4.5             | 4.5            | 3.1          | 2.8            | 1.2          | 1.5            | 4.2              | 4.6            | 1.8          | 1.8            | 1.6          | 1.9            |
|                     | <b>DURABLE GOODS</b>                                |                 |                |              |                |              |                |                  |                |              |                |              |                |
| 24                  | <b>LUMBER AND WOOD PRODUCTS</b> .....               | 6.6             | 6.3            | 3.1          | 3.3            | 3.3          | 2.7            | 5.4              | 5.0            | 2.1          | 2.3            | 2.4          | 1.8            |
| 242                 | Sawmills and planing mills .....                    | 6.4             | -              | 2.9          | -              | 3.2          | -              | 5.9              | -              | 2.0          | -              | 3.1          | -              |
| 2421                | Sawmills and planing mills, general .....           | 6.7             | -              | 2.9          | -              | 3.5          | -              | 5.9              | -              | 1.9          | -              | 3.1          | -              |
| 243                 | Millwork, plywood, and structural members .....     | 6.4             | -              | 2.3          | -              | 3.9          | -              | 4.7              | -              | 1.8          | -              | 2.2          | -              |
| 2431                | Millwork .....                                      | 6.1             | -              | 2.0          | -              | 4.0          | -              | 3.8              | -              | 1.5          | -              | 1.6          | -              |
| 244                 | Wooden containers .....                             | 6.0             | -              | 4.2          | -              | 1.6          | -              | 8.1              | -              | 4.2          | -              | 3.2          | -              |
| 245                 | Wood buildings and mobile homes .....               | 8.1             | -              | 4.7          | -              | 3.2          | -              | 8.3              | -              | 3.8          | -              | 3.4          | -              |
| 2451                | Mobile homes .....                                  | 8.9             | -              | 4.8          | -              | 3.9          | -              | 9.9              | -              | 4.4          | -              | 4.3          | -              |
| 249                 | Miscellaneous wood products .....                   | 4.3             | -              | 2.5          | -              | 1.6          | -              | 4.5              | -              | 2.1          | -              | 1.5          | -              |
| 25                  | <b>FURNITURE AND FIXTURES</b> .....                 | 3.2             | 3.8            | 2.0          | 2.1            | 1.0          | 1.5            | 4.6              | 5.5            | 1.7          | 1.7            | 2.2          | 2.9            |
| 251                 | Household furniture .....                           | 2.6             | -              | 1.5          | -              | .9           | -              | 5.0              | -              | 1.8          | -              | 2.5          | -              |
| 2511                | Wood household furniture .....                      | 2.6             | -              | 1.7          | -              | .7           | -              | 4.8              | -              | 2.1          | -              | 1.9          | -              |
| 2512                | Upholstered household furniture .....               | 2.1             | -              | 1.3          | -              | .7           | -              | 4.0              | -              | 1.5          | -              | 1.7          | -              |
| 2515                | Mattresses and bedsprings .....                     | 3.6             | -              | 2.3          | -              | 1.2          | -              | 4.0              | -              | 1.6          | -              | 1.6          | -              |
| 252                 | Office furniture .....                              | 2.9             | -              | 2.0          | -              | .9           | -              | 3.6              | -              | 1.5          | -              | 1.2          | -              |
| 254                 | Partitions and fixtures .....                       | 6.0             | -              | 4.2          | -              | 1.7          | -              | 4.1              | -              | 1.8          | -              | 1.5          | -              |
| 32                  | <b>STONE, CLAY, AND GLASS PRODUCTS</b> .....        | 4.2             | 4.1            | 2.2          | 2.0            | 1.6          | 1.8            | 4.9              | 3.8            | 1.2          | 1.2            | 2.7          | 1.8            |
| 322                 | Glass and glassware, pressed or blown .....         | 4.0             | -              | 1.6          | -              | 1.4          | -              | 6.6              | -              | .7           | -              | 4.4          | -              |
| 3221                | Glass containers .....                              | 3.7             | -              | 1.7          | -              | 1.7          | -              | 2.7              | -              | .8           | -              | 1.1          | -              |
| 3229                | Pressed and blown glass, nec .....                  | 4.4             | -              | 1.6          | -              | 1.1          | -              | 11.3             | -              | .6           | -              | 8.3          | -              |
| 323                 | Products of purchased glass .....                   | 5.2             | -              | 2.2          | -              | 2.8          | -              | 7.1              | -              | 2.0          | -              | 4.2          | -              |
| 324                 | Cement, hydraulic .....                             | 3.5             | -              | 2.0          | -              | 1.4          | -              | 2.2              | -              | .3           | -              | 1.3          | -              |
| 325                 | Structural clay products .....                      | 5.7             | -              | 2.3          | -              | 2.7          | -              | 5.9              | -              | 1.6          | -              | 3.5          | -              |
| 326                 | Pottery and related products .....                  | 2.7             | -              | 1.6          | -              | .9           | -              | 4.6              | -              | 1.0          | -              | 2.8          | -              |
| 327                 | Concrete, gypsum, and plaster products .....        | 5.3             | -              | 3.3          | -              | 1.9          | -              | 4.0              | -              | 1.8          | -              | 1.4          | -              |
| 329                 | Misc. nonmetallic mineral products .....            | 3.0             | -              | 1.3          | -              | 1.2          | -              | 4.4              | -              | .8           | -              | 2.9          | -              |
| 33                  | <b>PRIMARY METAL INDUSTRIES</b> .....               | 2.9             | 3.3            | .8           | .6             | 1.9          | 2.4            | 6.7              | 5.2            | .5           | .5             | 5.4          | 3.7            |
| 331                 | Blast furnace and basic steel products .....        | 3.2             | -              | .4           | -              | 2.5          | -              | 8.8              | -              | .2           | -              | 7.7          | -              |
| 3312                | Blast furnaces and steel mills .....                | 3.2             | -              | .3           | -              | 2.6          | -              | 9.6              | -              | .1           | -              | 8.6          | -              |
| 332                 | Iron and steel foundries .....                      | 2.6             | -              | 1.1          | -              | 1.2          | -              | 6.4              | -              | .9           | -              | 4.6          | -              |
| 3321                | Gray iron foundries .....                           | 2.9             | -              | .9           | -              | 1.7          | -              | 6.6              | -              | .9           | -              | 4.6          | -              |
| 3325                | Steel foundries, nec .....                          | 2.5             | -              | 1.6          | -              | .7           | -              | 5.1              | -              | .8           | -              | 3.3          | -              |
| 333                 | Primary nonferrous metals .....                     | 2.0             | -              | 1.5          | -              | .4           | -              | 1.4              | -              | .3           | -              | .5           | -              |
| 335                 | Nonferrous rolling and drawing .....                | 2.7             | -              | .8           | -              | 1.7          | -              | 4.3              | -              | .5           | -              | 3.2          | -              |
| 3351                | Copper rolling and drawing .....                    | 5.0             | -              | .4           | -              | 4.5          | -              | 8.9              | -              | .6           | -              | 7.8          | -              |
| 3353                | Aluminum sheet, plate, and foil .....               | 2.0             | -              | .6           | -              | .8           | -              | 3.6              | -              | .3           | -              | 2.8          | -              |
| 3357                | Nonferrous wire drawing and insulating .....        | 2.9             | -              | .6           | -              | 2.1          | -              | 3.3              | -              | .5           | -              | 2.2          | -              |
| 336                 | Nonferrous foundries .....                          | 3.4             | -              | 1.4          | -              | 1.5          | -              | 6.3              | -              | 1.2          | -              | 4.0          | -              |
| 3361                | Aluminum foundries .....                            | 3.7             | -              | 1.4          | -              | 1.5          | -              | 7.4              | -              | 1.3          | -              | 4.7          | -              |
| 34                  | <b>FABRICATED METAL PRODUCTS</b> .....              | 3.9             | 3.9            | 2.1          | 1.9            | 1.5          | 1.8            | 5.1              | 4.4            | 1.2          | 1.3            | 3.0          | 2.4            |
| 341                 | Metal cans and shipping containers .....            | 4.5             | -              | .9           | -              | 3.2          | -              | 5.2              | -              | .5           | -              | 3.7          | -              |
| 3411                | Metal cans .....                                    | 4.8             | -              | .6           | -              | 3.8          | -              | 5.6              | -              | .4           | -              | 4.2          | -              |
| 342                 | Cutlery, hand tools, and hardware .....             | 3.4             | -              | 1.8          | -              | 1.5          | -              | 5.1              | -              | 1.0          | -              | 3.4          | -              |
| 3423, 5             | Hand and edge tools, and hand saws and blades ..... | 2.8             | -              | 1.0          | -              | 1.7          | -              | 4.2              | -              | .9           | -              | 2.8          | -              |
| 3429                | Hardware, nec .....                                 | 3.9             | -              | 2.3          | -              | 1.5          | -              | 5.5              | -              | 1.1          | -              | 3.6          | -              |
| 343                 | Plumbing and heating, except electric .....         | 2.9             | -              | 1.3          | -              | 1.5          | -              | 8.3              | -              | 1.0          | -              | 6.4          | -              |
| 344                 | Fabricated structural metal products .....          | 4.5             | -              | 3.0          | -              | 1.4          | -              | 4.4              | -              | 1.5          | -              | 1.9          | -              |
| 3441                | Fabricated structural metal .....                   | 4.0             | -              | 3.0          | -              | .9           | -              | 4.0              | -              | 1.7          | -              | 1.3          | -              |
| 3442                | Metal doors, sash, and trim .....                   | 6.3             | -              | 3.7          | -              | 2.5          | -              | 5.3              | -              | 2.3          | -              | 1.9          | -              |
| 3443                | Fabricated plate work (boiler shops) .....          | 2.5             | -              | 2.0          | -              | .3           | -              | 2.8              | -              | .9           | -              | 1.2          | -              |
| 3444                | Sheet metal work .....                              | 6.3             | -              | 3.8          | -              | 2.5          | -              | 5.6              | -              | 1.7          | -              | 2.8          | -              |
| 345                 | Screw machine products, bolts, etc. ....            | 2.9             | -              | 2.1          | -              | .6           | -              | 5.6              | -              | 1.4          | -              | 3.2          | -              |
| 3451                | Screw machine products .....                        | 2.9             | -              | 2.3          | -              | .4           | -              | 5.6              | -              | 1.6          | -              | 3.1          | -              |
| 3452                | Bolts, nuts, rivets, and washers .....              | 2.9             | -              | 1.9          | -              | .9           | -              | 5.6              | -              | 1.2          | -              | 3.3          | -              |
| 346                 | Metal forgings and stampings .....                  | 4.7             | -              | 1.0          | -              | 2.4          | -              | 6.1              | -              | .8           | -              | 4.5          | -              |
| 3462                | Iron and steel forgings .....                       | 3.2             | -              | 1.4          | -              | 1.7          | -              | 4.1              | -              | .6           | -              | 3.0          | -              |
| 3465                | Automotive stampings .....                          | 8.3             | -              | .3           | -              | 4.7          | -              | 9.2              | -              | .4           | -              | 7.9          | -              |
| 3469                | Metal stampings, nec .....                          | 2.9             | -              | 1.4          | -              | 1.3          | -              | 4.7              | -              | 1.2          | -              | 2.7          | -              |
| 347                 | Metal services, nec .....                           | 4.3             | -              | 2.5          | -              | 1.5          | -              | 5.7              | -              | 2.2          | -              | 2.6          | -              |
| 348                 | Ordnance and accessories, nec .....                 | 2.6             | -              | 1.8          | -              | .6           | -              | 2.7              | -              | .6           | -              | 1.4          | -              |
| 349                 | Misc. fabricated metal products .....               | 3.2             | -              | 2.0          | -              | 1.1          | -              | 4.8              | -              | 1.2          | -              | 2.7          | -              |
| 3494                | Valves and pipe fittings .....                      | 3.0             | -              | 2.2          | -              | .6           | -              | 2.6              | -              | .9           | -              | .9           | -              |
| 3496                | Misc. fabricated wire products .....                | 4.4             | -              | 2.2          | -              | 2.1          | -              | 8.7              | -              | 1.6          | -              | 6.0          | -              |

See footnotes at end of table.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2. Labor turnover rates, by industry—Continued

| 1972<br>SIC<br>Code | Industry                                 | Accession rates |                |              |                |              |                | Separation rates |                |              |                |              |                |
|---------------------|--|-----------------|----------------|--------------|----------------|--------------|----------------|------------------|----------------|--------------|----------------|--------------|----------------|
|                     |  | Total           |                | New hires    |                | Recalls      |                | Total            |                | Quits        |                | Layoffs      |                |
|                     |  | June<br>1980    | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980     | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P |
| 35                  | <b>MACHINERY, EXCEPT ELECTRICAL</b>      | 2.6             | 2.2            | 1.8          | 1.3            | 0.5          | 0.6            | 3.5              | 3.1            | 0.9          | 0.9            | 1.8          | 1.5            |
| 361                 | Engines and turbines                     | 2.1             | -              | .6           | -              | .9           | -              | 4.3              | -              | .3           | -              | 2.8          | -              |
| 3611                | Turbines and turbine generator sets      | 1.5             | -              | .8           | -              | .1           | -              | 1.8              | -              | .2           | -              | .2           | -              |
| 3619                | Internal combustion engines, nec         | 2.4             | -              | .6           | -              | 1.3          | -              | 5.3              | -              | .4           | -              | 3.9          | -              |
| 362                 | Farm and garden machinery                | 2.4             | -              | 1.0          | -              | 1.1          | -              | 8.5              | -              | .8           | -              | 6.5          | -              |
| 3623                | Farm machinery and equipment             | 2.4             | -              | 1.0          | -              | 1.1          | -              | 7.2              | -              | .8           | -              | 5.2          | -              |
| 363                 | Construction and related machinery       | 2.0             | -              | 1.6          | -              | .3           | -              | 3.5              | -              | .8           | -              | 2.0          | -              |
| 3631                | Construction machinery                   | 1.0             | -              | .5           | -              | .4           | -              | 4.3              | -              | .4           | -              | 3.2          | -              |
| 3633                | Oil field machinery                      | 3.6             | -              | 3.4          | -              | (1)          | -              | 2.2              | -              | 1.3          | -              | .1           | -              |
| 364                 | Metalworking machinery                   | 2.5             | -              | 1.8          | -              | .4           | -              | 2.5              | -              | .8           | -              | 1.0          | -              |
| 3641                | Machine tools, metal cutting types       | 2.1             | -              | 1.9          | -              | .1           | -              | 1.7              | -              | .7           | -              | .6           | -              |
| 3644                | Special dies, tools, jigs, and fixtures  | 3.6             | -              | 2.2          | -              | .8           | -              | 3.1              | -              | 1.0          | -              | 1.4          | -              |
| 3646                | Machine tool accessories                 | 1.9             | -              | 1.7          | -              | .2           | -              | 2.3              | -              | .8           | -              | .8           | -              |
| 365                 | Special industry machinery               | 2.2             | -              | 1.8          | -              | .3           | -              | 2.6              | -              | .8           | -              | .9           | -              |
| 3651                | Food products machinery                  | 1.9             | -              | 1.5          | -              | .2           | -              | 2.5              | -              | .9           | -              | 1.0          | -              |
| 3652                | Textile machinery                        | 2.0             | -              | 1.5          | -              | .2           | -              | 2.7              | -              | 1.0          | -              | .9           | -              |
| 3656                | General industrial machinery             | 2.8             | -              | 1.7          | -              | .7           | -              | 3.5              | -              | .8           | -              | 2.1          | -              |
| 3661                | Pumps and pumping equipment              | 2.1             | -              | 1.5          | -              | .4           | -              | 2.5              | -              | .8           | -              | 1.1          | -              |
| 3662                | Ball and roller bearings                 | 3.8             | -              | 1.8          | -              | .8           | -              | 2.6              | -              | .6           | -              | 1.3          | -              |
| 3664                | Blowers and fans                         | 4.4             | -              | 2.2          | -              | 1.9          | -              | 4.5              | -              | 1.2          | -              | 2.6          | -              |
| 367                 | Office and computing machines            | 3.0             | -              | 2.5          | -              | .2           | -              | 2.0              | -              | 1.1          | -              | .2           | -              |
| 3673                | Electronic computing equipment           | 3.1             | -              | 2.7          | -              | .1           | -              | 1.9              | -              | 1.0          | -              | .1           | -              |
| 368                 | Refrigeration and service machinery      | 3.7             | -              | 1.7          | -              | 1.7          | -              | 4.2              | -              | .9           | -              | 2.4          | -              |
| 3685                | Refrigeration and heating equipment      | 2.9             | -              | 1.5          | -              | 1.1          | -              | 5.1              | -              | .8           | -              | 3.1          | -              |
| 369                 | Misc. machinery, except electrical       | 2.9             | -              | 2.3          | -              | .4           | -              | 3.9              | -              | 1.4          | -              | 1.7          | -              |
| 36                  | <b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> | 2.9             | 2.6            | 1.9          | 1.3            | .5           | .9             | 4.0              | 3.3            | 1.1          | 1.0            | 2.0          | 1.6            |
| 361                 | Electric distributing equipment          | 2.6             | -              | 1.6          | -              | .4           | -              | 4.3              | -              | 1.0          | -              | 2.1          | -              |
| 3612                | Transformers                             | 2.4             | -              | 1.3          | -              | .3           | -              | 4.0              | -              | .9           | -              | 2.0          | -              |
| 3613                | Switchgear and switchboard apparatus     | 2.8             | -              | 1.9          | -              | .5           | -              | 4.5              | -              | 1.2          | -              | 2.1          | -              |
| 362                 | Electrical industrial apparatus          | 2.4             | -              | 1.4          | -              | .6           | -              | 4.3              | -              | .8           | -              | 2.6          | -              |
| 3621                | Motors and generators                    | 2.2             | -              | 1.0          | -              | .9           | -              | 4.4              | -              | .7           | -              | 2.7          | -              |
| 3622                | Industrial controls                      | 2.9             | -              | 2.1          | -              | .3           | -              | 4.5              | -              | .9           | -              | 2.7          | -              |
| 363                 | Household appliances                     | 2.7             | -              | .8           | -              | 1.1          | -              | 9.4              | -              | .8           | -              | 7.2          | -              |
| 3632                | Household refrigerators and freezers     | 4.2             | -              | .1           | -              | 2.4          | -              | 9.6              | -              | .3           | -              | 7.7          | -              |
| 3633                | Household laundry equipment              | 1.2             | -              | .2           | -              | .4           | -              | 8.6              | -              | .3           | -              | 7.1          | -              |
| 3634                | Electric housewares and fans             | 3.4             | -              | 1.9          | -              | .9           | -              | 5.4              | -              | 1.6          | -              | 2.3          | -              |
| 364                 | Electric lighting and wiring equipment   | 2.4             | -              | 1.3          | -              | .5           | -              | 4.6              | -              | 1.0          | -              | 2.5          | -              |
| 3641                | Electric lamps                           | 2.0             | -              | .7           | -              | .7           | -              | 3.9              | -              | .5           | -              | 2.2          | -              |
| 3643                | Current-carrying wiring devices          | 2.1             | -              | 1.6          | -              | .2           | -              | 3.9              | -              | 1.0          | -              | 2.0          | -              |
| 365                 | Radio and TV receiving equipment         | 3.6             | -              | 1.2          | -              | 1.1          | -              | 5.5              | -              | .9           | -              | 3.0          | -              |
| 3651                | Radio and TV receiving sets              | 3.0             | -              | 1.2          | -              | .4           | -              | 4.1              | -              | .7           | -              | 1.6          | -              |
| 366                 | Communication equipment                  | 2.8             | -              | 2.3          | -              | .1           | -              | 2.1              | -              | .9           | -              | .6           | -              |
| 3661                | Telephone and telegraph apparatus        | 1.7             | -              | 1.4          | -              | .1           | -              | 2.5              | -              | .5           | -              | 1.4          | -              |
| 3662                | Radio and TV communication equipment     | 3.3             | -              | 2.7          | -              | .2           | -              | 1.9              | -              | 1.0          | -              | .2           | -              |
| 367                 | Electronic components and accessories    | 3.5             | -              | 2.8          | -              | .4           | -              | 3.6              | -              | 1.8          | -              | .8           | -              |
| 3671-3              | Electronic tubes                         | 2.5             | -              | 1.9          | -              | .2           | -              | 2.4              | -              | 1.1          | -              | .6           | -              |
| 3674                | Semiconductors and related devices       | 3.1             | -              | 2.7          | -              | .2           | -              | 2.8              | -              | 1.5          | -              | .5           | -              |
| 3679                | Electronic components, nec               | 4.0             | -              | 3.2          | -              | .6           | -              | 3.9              | -              | 2.1          | -              | .9           | -              |
| 368                 | Misc. electrical equipment and supplies  | 2.3             | -              | 1.1          | -              | .9           | -              | 4.7              | -              | .8           | -              | 3.2          | -              |
| 3684                | Engine electrical equipment              | 1.6             | -              | .6           | -              | .9           | -              | 5.8              | -              | .5           | -              | 4.5          | -              |
| 37                  | <b>TRANSPORTATION EQUIPMENT</b>          | 3.9             | -              | 1.5          | -              | 1.8          | -              | 4.9              | -              | .8           | -              | 3.2          | -              |
| 371                 | Motor vehicles and equipment             | 4.7             | -              | .6           | -              | 3.0          | -              | 7.8              | -              | .5           | -              | 6.2          | -              |
| 3711                | Motor vehicles and car bodies            | 4.5             | -              | .7           | -              | 2.8          | -              | 8.9              | -              | .5           | -              | 7.5          | -              |
| 3713                | Truck and bus bodies                     | 6.4             | -              | 2.4          | -              | 2.8          | -              | 5.2              | -              | 1.1          | -              | 3.4          | -              |
| 3714                | Motor vehicle parts and accessories      | 4.8             | -              | .4           | -              | 3.2          | -              | 7.1              | -              | .5           | -              | 5.1          | -              |
| 3715,6              | Truck trailers and motor homes           | 4.0             | -              | .8           | -              | 3.1          | -              | 7.2              | -              | .7           | -              | 5.9          | -              |
| 372                 | Aircraft and parts                       | 2.3             | -              | 1.8          | -              | .2           | -              | 1.6              | -              | .8           | -              | .3           | -              |
| 3721                | Aircraft                                 | 2.2             | -              | 1.6          | -              | .3           | -              | 1.3              | -              | .7           | -              | .2           | -              |
| 3724                | Aircraft engines and engine parts        | 1.8             | -              | 1.4          | -              | .1           | -              | 1.4              | -              | .5           | -              | .2           | -              |
| 3728                | Aircraft equipment, nec                  | 3.3             | -              | 3.0          | -              | .2           | -              | 2.5              | -              | 1.3          | -              | .5           | -              |
| 373                 | Ship and boat building and repairing     | 6.1             | -              | 3.0          | -              | 2.9          | -              | 6.8              | -              | 1.7          | -              | 4.0          | -              |
| 3731                | Ship building and repairing              | 6.3             | -              | 3.0          | -              | 3.1          | -              | 6.6              | -              | 1.5          | -              | 4.1          | -              |
| 3732                | Boat building and repairing              | 5.4             | -              | 3.1          | -              | 2.2          | -              | 7.5              | -              | 2.5          | -              | 3.3          | -              |
| 374                 | Railroad equipment                       | 2.5             | -              | .8           | -              | 1.0          | -              | 4.5              | -              | .4           | -              | 3.0          | -              |
| 376                 | Guided missiles, space vehicles, parts   | 2.7             | -              | 2.2          | -              | .2           | -              | 1.1              | -              | .6           | -              | .1           | -              |
| 3761                | Guided missiles and space vehicles       | 2.7             | -              | 2.1          | -              | .2           | -              | 1.0              | -              | .6           | -              | .1           | -              |
| 376                 | Miscellaneous transportation equipment   | 8.0             | -              | 4.5          | -              | 3.4          | -              | 4.0              | -              | 1.6          | -              | 1.7          | -              |
| 38                  | <b>INSTRUMENTS AND RELATED PRODUCTS</b>  | 3.5             | 2.4            | 2.9          | 1.8            | .3           | .5             | 2.7              | 2.6            | 1.1          | 1.1            | .8           | .9             |
| 381                 | Engineering and scientific instruments   | 3.1             | -              | 2.8          | -              | .2           | -              | 2.0              | -              | 1.1          | -              | .4           | -              |
| 382                 | Measuring and controlling devices        | 3.1             | -              | 2.4          | -              | .3           | -              | 2.8              | -              | 1.2          | -              | 1.0          | -              |
| 3822                | Environmental controls                   | 2.5             | -              | 1.9          | -              | .3           | -              | 3.8              | -              | .9           | -              | 2.3          | -              |
| 3823                | Process control instruments              | 4.9             | -              | 4.1          | -              | .5           | -              | 2.4              | -              | 1.1          | -              | .6           | -              |
| 3826                | Instruments to measure electricity       | 2.7             | -              | 1.8          | -              | .2           | -              | 2.4              | -              | 1.3          | -              | .3           | -              |

See footnotes at end of table.

**ESTABLISHMENT DATA  
LABOR TURNOVER**

**D-2. Labor turnover rates, by Industry—Continued**

| 1972<br>SIC<br>Code | Industry  | Accession rates |               |              |               |              |               | Separation rates |               |              |               |              |               |
|---------------------|---|-----------------|---------------|--------------|---------------|--------------|---------------|------------------|---------------|--------------|---------------|--------------|---------------|
|                     |   | Total           |               | New hires    |               | Recalls      |               | Total            |               | Quits        |               | Layoffs      |               |
|                     |   | June<br>1980    | July<br>1980P | June<br>1980 | July<br>1980P | June<br>1980 | July<br>1980P | June<br>1980     | July<br>1980P | June<br>1980 | July<br>1980P | June<br>1980 | July<br>1980P |
|                     | <b>INSTRUMENTS AND RELATED PRODUCTS—Con'd</b>     |                 |               |              |               |              |               |                  |               |              |               |              |               |
| 383                 | Optical instruments and lenses .....              | 3.7             | -             | 3.1          | -             | 0.1          | -             | 2.2              | -             | 1.2          | -             | 0.5          | -             |
| 384                 | Medical instruments and supplies .....            | 3.1             | -             | 2.6          | -             | .2           | -             | 3.1              | -             | 1.6          | -             | .7           | -             |
| 3841                | Surgical and medical instruments .....            | 3.8             | -             | 3.3          | -             | .1           | -             | 3.8              | -             | 1.8          | -             | 1.1          | -             |
| 3842                | Surgical appliances and supplies .....            | 2.6             | -             | 2.2          | -             | .3           | -             | 2.7              | -             | 1.4          | -             | .5           | -             |
| 385                 | Ophthalmic goods .....                            | 3.4             | -             | 2.6          | -             | .3           | -             | 4.9              | -             | 1.7          | -             | 2.2          | -             |
| 386                 | Photographic equipment and supplies .....         | 4.7             | -             | 4.4          | -             | .2           | -             | 1.2              | -             | .5           | -             | .2           | -             |
| 387                 | Watches, clocks, and watchcases .....             | 2.9             | -             | 1.6          | -             | 1.0          | -             | 6.5              | -             | 1.2          | -             | 3.0          | -             |
| 39                  | <b>MISCELLANEOUS MANUFACTURING<br/>INDUSTRIES</b> | 4.7             | 5.3           | 3.0          | 3.0           | 1.5          | 2.2           | 5.0              | 5.5           | 1.7          | 1.9           | 2.4          | 2.5           |
| 391                 | Jewelry, silverware, and plated ware .....        | 2.7             | -             | 1.9          | -             | .7           | -             | 4.2              | -             | 1.1          | -             | 2.4          | -             |
| 393                 | Musical instruments .....                         | 5.9             | -             | .6           | -             | 4.4          | -             | 4.1              | -             | 2.2          | -             | 1.4          | -             |
| 394                 | Toys and sporting goods .....                     | 6.3             | -             | 4.3          | -             | 1.6          | -             | 7.1              | -             | 2.1          | -             | 3.8          | -             |
| 3942.4              | Dolls, games, toys, and children's vehicles ..... | 7.2             | -             | 6.0          | -             | .8           | -             | 6.5              | -             | 2.8          | -             | 2.3          | -             |
| 3949                | Sporting and athletic goods, nec .....            | 5.4             | -             | 2.7          | -             | 2.3          | -             | 7.6              | -             | 1.4          | -             | 5.3          | -             |
| 395                 | Pens, pencils, office and art supplies .....      | 3.2             | -             | 2.7          | -             | .3           | -             | 3.4              | -             | 1.6          | -             | .7           | -             |
| 396                 | Costume jewelry and notions .....                 | 5.0             | -             | 3.3          | -             | 1.6          | -             | 4.5              | -             | 1.9          | -             | 1.7          | -             |
| 399                 | Miscellaneous manufactures .....                  | 4.4             | -             | 2.5          | -             | 1.8          | -             | 4.2              | -             | 1.4          | -             | 2.0          | -             |
|                     | <b>NONDURABLE GOODS</b>                           |                 |               |              |               |              |               |                  |               |              |               |              |               |
| 20                  | <b>FOOD AND KINDRED PRODUCTS</b>                  | 7.9             | 7.6           | 5.2          | 4.8           | 2.4          | 2.7           | 5.0              | 5.8           | 2.3          | 2.4           | 1.9          | 2.6           |
| 201                 | Meat products .....                               | 7.2             | -             | 5.4          | -             | 1.4          | -             | 6.0              | -             | 3.5          | -             | 1.5          | -             |
| 2011                | Meat packing plants .....                         | 4.9             | -             | 3.1          | -             | 1.5          | -             | 4.3              | -             | 1.6          | -             | 1.9          | -             |
| 2013                | Sausages and other prepared meats .....           | 6.0             | -             | 3.7          | -             | 2.0          | -             | 5.5              | -             | 1.8          | -             | 2.4          | -             |
| 2016                | Poultry dressing plants .....                     | 10.7            | -             | 9.1          | -             | 1.1          | -             | 8.7              | -             | 6.9          | -             | .5           | -             |
| 202                 | Dairy products .....                              | 4.7             | -             | 3.8          | -             | .7           | -             | 2.9              | -             | 1.7          | -             | .6           | -             |
| 203                 | Preserved fruits and vegetables .....             | 18.3            | -             | 11.4         | -             | 6.6          | -             | 9.4              | -             | 3.4          | -             | 5.0          | -             |
| 204                 | Grain mill products .....                         | 4.8             | -             | 2.8          | -             | 1.9          | -             | 3.5              | -             | 1.5          | -             | 1.3          | -             |
| 205                 | Bakery products .....                             | 4.0             | -             | 3.0          | -             | .8           | -             | 3.1              | -             | 1.5          | -             | 1.0          | -             |
| 2051                | Bread, cake, and related products .....           | 3.9             | -             | 3.3          | -             | .4           | -             | 2.7              | -             | 1.6          | -             | .5           | -             |
| 2052                | Cookies and crackers .....                        | 4.3             | -             | 1.7          | -             | 2.4          | -             | 4.9              | -             | 1.0          | -             | 3.2          | -             |
| 206                 | Sugar and confectionery products .....            | 4.7             | -             | 2.0          | -             | 2.4          | -             | 3.8              | -             | 1.0          | -             | 2.0          | -             |
| 207                 | Fats and oils .....                               | 2.8             | -             | 2.2          | -             | .6           | -             | 4.0              | -             | 1.7          | -             | 1.7          | -             |
| 208                 | Beverages .....                                   | 6.9             | -             | 4.5          | -             | 2.2          | -             | 4.3              | -             | 1.7          | -             | 1.7          | -             |
| 2082                | Malt beverages .....                              | 7.4             | -             | 3.1          | -             | 4.1          | -             | 4.1              | -             | .4           | -             | 3.0          | -             |
| 2086                | Bottled and canned soft drinks .....              | 6.4             | -             | 5.7          | -             | .4           | -             | 3.7              | -             | 2.5          | -             | .2           | -             |
| 209                 | Misc. foods and kindred products .....            | 12.0            | -             | 6.5          | -             | 4.8          | -             | 5.1              | -             | 2.3          | -             | 2.0          | -             |
| 21                  | <b>TOBACCO MANUFACTURES</b>                       | 2.8             | -             | 1.1          | -             | .8           | -             | 2.1              | -             | .3           | -             | 1.0          | -             |
| 211                 | Cigarettes .....                                  | 2.3             | -             | 1.0          | -             | .2           | -             | 1.0              | -             | .1           | -             | .1           | -             |
| 22                  | <b>TEXTILE MILL PRODUCTS</b>                      | 3.5             | 4.1           | 2.6          | 2.6           | .6           | 1.0           | 4.2              | 5.4           | 2.0          | 2.1           | 1.2          | 1.8           |
| 221                 | Weaving mills, cotton .....                       | 3.3             | -             | 2.7          | -             | .1           | -             | 3.5              | -             | 2.1          | -             | .2           | -             |
| 222                 | Weaving mills, synthetics .....                   | 2.7             | -             | 2.2          | -             | .3           | -             | 3.4              | -             | 1.7          | -             | .6           | -             |
| 223                 | Weaving and finishing mills, wool .....           | 3.1             | -             | 2.0          | -             | 1.1          | -             | 4.2              | -             | 1.5          | -             | 1.8          | -             |
| 224                 | Narrow fabric mills .....                         | 4.1             | -             | 2.1          | -             | 1.9          | -             | 4.2              | -             | 1.6          | -             | 1.8          | -             |
| 225                 | Knitting mills .....                              | 4.1             | -             | 3.3          | -             | .7           | -             | 4.8              | -             | 2.3          | -             | 1.6          | -             |
| 2251                | Women's hosiery, except socks .....               | 3.0             | -             | 2.7          | -             | .2           | -             | 5.4              | -             | 2.2          | -             | 2.4          | -             |
| 2252                | Hosiery, nec .....                                | 4.0             | -             | 3.5          | -             | .4           | -             | 4.4              | -             | 2.9          | -             | .8           | -             |
| 2253                | Knit outerwear mills .....                        | 4.5             | -             | 3.7          | -             | .8           | -             | 4.8              | -             | 2.4          | -             | 1.5          | -             |
| 2254                | Knit underwear mills .....                        | 3.5             | -             | 3.0          | -             | .3           | -             | 3.7              | -             | 2.1          | -             | .8           | -             |
| 2257                | Circular knit fabric mills .....                  | 4.8             | -             | 3.2          | -             | 1.5          | -             | 5.6              | -             | 2.3          | -             | 2.0          | -             |
| 226                 | Textile finishing, except wool .....              | 2.9             | -             | 2.1          | -             | .3           | -             | 4.6              | -             | 1.8          | -             | 1.8          | -             |
| 227                 | Floor covering mills .....                        | 1.9             | -             | 1.0          | -             | .5           | -             | 3.6              | -             | 1.3          | -             | 1.3          | -             |
| 228                 | Yarn and thread mills .....                       | 3.9             | -             | 3.2          | -             | .4           | -             | 4.8              | -             | 2.7          | -             | 1.0          | -             |
| 229                 | Miscellaneous textile goods .....                 | 3.5             | -             | 1.9          | -             | 1.5          | -             | 4.4              | -             | 1.3          | -             | 2.1          | -             |
| 23                  | <b>APPAREL AND OTHER TEXTILE PRODUCTS</b>         | 4.9             | 5.4           | 3.3          | 3.3           | 1.4          | 1.9           | 5.4              | 6.3           | 2.6          | 2.7           | 2.0          | 2.6           |
| 231                 | Men's and boys' suits and coats .....             | 2.8             | -             | 2.1          | -             | .5           | -             | 3.6              | -             | 1.5          | -             | 1.4          | -             |
| 232                 | Men's and boys' furnishings .....                 | 4.3             | -             | 3.4          | -             | .7           | -             | 4.4              | -             | 3.1          | -             | .6           | -             |
| 2321                | Men's and boys' shirts and nightwear .....        | 4.1             | -             | 3.1          | -             | .8           | -             | 3.6              | -             | 2.5          | -             | .4           | -             |
| 2327                | Men's and boys' separate trousers .....           | 3.5             | -             | 3.1          | -             | .2           | -             | 3.8              | -             | 3.0          | -             | .2           | -             |
| 2328                | Men's and boys' work clothing .....               | 4.8             | -             | 4.1          | -             | .7           | -             | 5.1              | -             | 4.1          | -             | .5           | -             |
| 233                 | Women's and misses' outerwear .....               | 5.4             | -             | 3.2          | -             | 2.0          | -             | 6.2              | -             | 2.5          | -             | 2.9          | -             |
| 234                 | Women's and children's undergarments .....        | 4.6             | -             | 3.4          | -             | 1.0          | -             | 5.3              | -             | 2.7          | -             | 2.0          | -             |
| 2341                | Women's and children's underwear .....            | 5.0             | -             | 3.7          | -             | 1.2          | -             | 5.7              | -             | 2.9          | -             | 2.1          | -             |
| 2342                | Brassieres and allied garments .....              | 2.9             | -             | 2.5          | -             | .3           | -             | 3.8              | -             | 1.6          | -             | 1.6          | -             |
| 236                 | Children's outerwear .....                        | 7.4             | -             | 4.6          | -             | 2.4          | -             | 5.2              | -             | 3.2          | -             | 1.1          | -             |
| 238                 | Misc. apparel and accessories .....               | 4.5             | -             | 2.3          | -             | 2.1          | -             | 6.8              | -             | 2.9          | -             | 3.2          | -             |
| 239                 | Misc. fabricated textile products .....           | 5.3             | -             | 3.5          | -             | 1.7          | -             | 5.9              | -             | 2.2          | -             | 2.6          | -             |
| 26                  | <b>PAPER AND ALLIED PRODUCTS</b>                  | 3.0             | 2.9           | 1.8          | 1.3           | 1.0          | 1.4           | 3.4              | 3.1           | .8           | .8            | 1.9          | 1.5           |
| 261,2,6             | Paper and pulp mills .....                        | 2.7             | -             | 1.6          | -             | .8           | -             | 2.2              | -             | .3           | -             | 1.4          | -             |
| 262                 | Paper mills, except building paper .....          | 2.6             | -             | 1.6          | -             | .7           | -             | 2.2              | -             | .3           | -             | 1.4          | -             |

See footnotes at end of table.

# ESTABLISHMENT DATA LABOR TURNOVER

## D-2. Labor turnover rates, by Industry—Continued

| 1972<br>SIC<br>Code                        | Industry   | Accession rates |                |              |                |              |                | Separation rates |                |              |                |              |                |
|--|--|-----------------|----------------|--------------|----------------|--------------|----------------|------------------|----------------|--------------|----------------|--------------|----------------|
|  |  | Total           |                | New hires    |                | Recalls      |                | Total            |                | Quits        |                | Layoffs      |                |
|  |  | June<br>1980    | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980     | July<br>1980 P | June<br>1980 | July<br>1980 P | June<br>1980 | July<br>1980 P |
| <b>PAPER AND ALLIED PRODUCTS—Continued</b> |  |                 |                |              |                |              |                |                  |                |              |                |              |                |
| 283  | Paperboard mills   | 2.9             | -              | 2.0          | -              | 0.6          | -              | 4.1              | -              | 0.6          | -              | 2.9          | -              |
| 284  | Misc. converted paper products                             | 3.5             | -              | 2.1          | -              | 1.1          | -              | 3.5              | -              | 1.1          | -              | 1.5          | -              |
| 285  | Paperboard containers and boxes                            | 2.9             | -              | 1.6          | -              | 1.1          | -              | 4.1              | -              | 1.0          | -              | 2.4          | -              |
| 2851                                       | Folding paperboard boxes                                   | 3.4             | -              | 1.8          | -              | 1.5          | -              | 3.9              | -              | .9           | -              | 2.3          | -              |
| 2853                                       | Corrugated and solid fiber boxes                           | 2.0             | -              | 1.2          | -              | .7           | -              | 3.5              | -              | .9           | -              | 1.8          | -              |
| 27   | <b>PRINTING AND PUBLISHING</b>                             | 3.5             | 2.9            | 2.9          | 2.3            | .5           | 0.5            | 3.3              | 3.1            | 1.8          | 1.7            | .9           | 0.8            |
| 271  | Newspapers   | 4.0             | -              | 3.6          | -              | .2           | -              | 3.2              | -              | 2.5          | -              | .2           | -              |
| 272  | Periodicals  | 3.8             | -              | 3.4          | -              | .3           | -              | 2.3              | -              | 1.5          | -              | .2           | -              |
| 273  | Books  | 3.4             | -              | 2.4          | -              | .9           | -              | 3.8              | -              | 1.4          | -              | 1.7          | -              |
| 274  | Miscellaneous publishing                                   | 3.1             | -              | 2.6          | -              | .4           | -              | 2.9              | -              | 1.5          | -              | .5           | -              |
| 275  | Commercial printing  | 2.9             | -              | 2.1          | -              | .6           | -              | 3.4              | -              | 1.2          | -              | 1.5          | -              |
| 2751                                       | Commercial printing, letterpress                           | 2.7             | -              | 1.9          | -              | .7           | -              | 4.2              | -              | 1.3          | -              | 2.2          | -              |
| 2752                                       | Commercial printing, lithographic                          | 3.1             | -              | 2.4          | -              | .6           | -              | 2.8              | -              | 1.2          | -              | 1.0          | -              |
| 278  | Blankbooks and bookbinding                                 | 4.4             | -              | 3.3          | -              | 1.0          | -              | 4.5              | -              | 2.1          | -              | 1.6          | -              |
| 28   | <b>CHEMICALS AND ALLIED PRODUCTS</b>                       | 2.2             | 1.5            | 1.7          | 1.1            | .3           | .3             | 2.0              | 1.9            | .6           | .6             | .8           | .8             |
| 281  | Industrial inorganic chemicals                             | 2.3             | -              | 1.8          | -              | .2           | -              | 1.8              | -              | .4           | -              | 1.0          | -              |
| 2819                                       | Industrial inorganic chemicals, nec                        | 2.3             | -              | 1.7          | -              | .3           | -              | 1.5              | -              | .5           | -              | .6           | -              |
| 282  | Plastics materials and synthetics                          | 1.3             | -              | .9           | -              | .2           | -              | 1.8              | -              | .4           | -              | .9           | -              |
| 2821                                       | Plastics materials and resins                              | 1.9             | -              | 1.5          | -              | .3           | -              | 1.8              | -              | .6           | -              | .8           | -              |
| 2824                                       | Organic fibers, noncellulosic                              | .6              | -              | .5           | -              | (1)          | -              | 1.2              | -              | .3           | -              | .5           | -              |
| 283  | Drugs  | 2.1             | -              | 1.6          | -              | .2           | -              | 1.4              | -              | .6           | -              | .3           | -              |
| 2834                                       | Pharmaceutical preparations                                | 2.1             | -              | 1.7          | -              | .2           | -              | 1.5              | -              | .6           | -              | .3           | -              |
| 284  | Soap, cleaners, and toilet goods                           | 3.2             | -              | 2.2          | -              | .8           | -              | 2.1              | -              | .8           | -              | .5           | -              |
| 2841                                       | Soap and other detergents                                  | 2.9             | -              | 1.4          | -              | 1.5          | -              | 1.4              | -              | .4           | -              | .5           | -              |
| 2844                                       | Toilet preparations  | 3.2             | -              | 2.6          | -              | .4           | -              | 2.5              | -              | .9           | -              | .6           | -              |
| 285  | Paints and allied products                                 | 2.9             | -              | 2.4          | -              | .4           | -              | 3.0              | -              | 1.1          | -              | 1.2          | -              |
| 286  | Industrial organic chemicals                               | 1.8             | -              | 1.5          | -              | .1           | -              | 1.6              | -              | .4           | -              | .6           | -              |
| 287  | Agricultural chemicals                                     | 2.6             | -              | 2.0          | -              | .2           | -              | 4.0              | -              | .9           | -              | 1.5          | -              |
| 289  | Miscellaneous chemical products                            | 2.9             | -              | 2.0          | -              | .7           | -              | 2.4              | -              | .8           | -              | .9           | -              |
| 29   | <b>PETROLEUM AND COAL PRODUCTS</b>                         | 3.7             | 2.6            | 2.9          | 2.0            | .7           | .4             | 1.8              | 1.9            | .6           | .7             | .7           | .5             |
| 291  | Petroleum refining   | 3.2             | -              | 3.0          | -              | .1           | -              | 1.3              | -              | .4           | -              | .6           | -              |
| 295  | Paving and roofing materials                               | 7.1             | -              | 3.0          | -              | 3.9          | -              | 3.8              | -              | 1.7          | -              | 1.1          | -              |
| 30   | <b>RUBBER AND MISC. PLASTICS PRODUCTS</b>                  | 4.0             | 4.7            | 2.2          | 2.0            | 1.4          | 2.3            | 6.2              | 5.4            | 1.7          | 1.6            | 3.5          | 2.7            |
| 301  | Tires and inner tubes                                      | 1.4             | -              | .3           | -              | .7           | -              | 6.3              | -              | .3           | -              | 5.1          | -              |
| 302  | Rubber and plastics footwear                               | 8.4             | -              | 7.6          | -              | .6           | -              | 6.6              | -              | 3.4          | -              | .9           | -              |
| 303,4                                      | Reclaimed rubber, and rubber and plastics hose and belting | 3.1             | -              | 1.0          | -              | 1.9          | -              | 5.0              | -              | .9           | -              | 3.3          | -              |
| 306  | Fabricated rubber products, nec                            | 3.3             | -              | 1.1          | -              | 1.8          | -              | 4.7              | -              | 1.0          | -              | 2.5          | -              |
| 307  | Miscellaneous plastics products                            | 4.6             | -              | 2.6          | -              | 1.5          | -              | 6.5              | -              | 2.1          | -              | 3.4          | -              |
| 31   | <b>LEATHER AND LEATHER PRODUCTS</b>                        | 5.8             | 7.8            | 4.3          | 4.4            | 1.2          | 3.1            | 5.7              | 9.0            | 2.9          | 3.3            | 1.9          | 4.7            |
| 311  | Leather tanning and finishing                              | 6.4             | -              | 3.5          | -              | 2.8          | -              | 5.9              | -              | 1.4          | -              | 3.5          | -              |
| 314  | Footwear, except rubber                                    | 5.6             | -              | 4.6          | -              | .7           | -              | 5.3              | -              | 3.2          | -              | 1.2          | -              |
| 3143                                       | Men's footwear, except athletic                            | 5.3             | -              | 4.4          | -              | .7           | -              | 5.1              | -              | 3.2          | -              | .9           | -              |
| 3144                                       | Women's footwear, except athletic                          | 5.5             | -              | 4.6          | -              | .7           | -              | 4.8              | -              | 3.2          | -              | .6           | -              |
| -  | <b>NONMANUFACTURING:</b>                                   |                 |                |              |                |              |                |                  |                |              |                |              |                |
| -  | <b>MINING</b>  | 6.2             | 4.8            | 4.9          | 3.8            | .7           | .5             | 4.6              | 3.6            | 2.7          | 2.1            | 1.0          | .6             |
| 10   | <b>METAL MINING</b>  | 3.7             | 1.9            | 2.7          | 1.0            | .3           | .6             | 6.1              | 3.0            | 1.0          | .9             | 3.9          | 1.0            |
| 101  | Iron ores  | 4.7             | -              | 1.4          | -              | .2           | -              | 21.9             | -              | .5           | -              | 18.1         | -              |
| 102  | Copper ores  | 2.4             | -              | 2.2          | -              | .1           | -              | 1.1              | -              | .4           | -              | (1)          | -              |
| 12   | <b>BITUMINOUS COAL AND LIGNITE MINING</b>                  | 1.5             | 1.0            | .8           | .5             | .5           | .3             | 2.3              | 2.2            | .5           | .4             | 1.4          | 1.3            |
| 13   | <b>OIL AND GAS EXTRACTION</b>                              | 9.5             | 7.4            | 7.9          | 6.2            | .7           | .6             | 5.9              | 4.6            | 4.5          | 3.3            | .2           | .1             |
| 131,2                                      | Crude petroleum, natural gas, and natural gas liquids      | 4.4             | -              | 4.1          | -              | .1           | -              | 1.4              | -              | .8           | -              | (1)          | -              |
| 138  | Oil and gas field services                                 | 12.9            | -              | 10.5         | -              | 1.1          | -              | 8.9              | -              | 6.9          | -              | .4           | -              |
| 14   | <b>NONMETALLIC MINERALS, EXCEPT FUELS</b>                  | 3.7             | 2.5            | 2.3          | 1.8            | 1.2          | .6             | 2.9              | 2.8            | 1.2          | 1.2            | 1.0          | 1.0            |
| 142  | Crushed and broken stone                                   | 3.9             | -              | 2.0          | -              | 1.5          | -              | 3.0              | -              | 1.1          | -              | 1.0          | -              |
| 144  | Sand and gravel  | 5.3             | -              | 3.3          | -              | 1.9          | -              | 4.0              | -              | 1.8          | -              | 1.6          | -              |
| -  | <b>COMMUNICATION:</b>                                      |                 |                |              |                |              |                |                  |                |              |                |              |                |
| 481  | Telephone communication                                    | 1.4             | -              | 1.3          | -              | (1)          | -              | .9               | -              | .5           | -              | .1           | -              |

<sup>1</sup> Less than 0.05.

p-preliminary.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED LABOR TURNOVER**

**D-3. Labor turnover rates in manufacturing, 1970 to date, seasonally adjusted**

[Per 100 employees]

| Year                     | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|--------------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| <b>Total occasions</b>   |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 4.4  | 4.4  | 4.0  | 4.0  | 4.1 | 4.1  | 4.1  | 3.9  | 3.9   | 3.8  | 3.7  | 3.8  |
| 1971.....                | 3.8  | 3.7  | 3.7  | 3.8  | 3.8 | 3.8  | 3.8  | 4.0  | 4.0   | 3.9  | 4.0  | 4.2  |
| 1972.....                | 4.3  | 4.3  | 4.4  | 4.4  | 4.4 | 4.3  | 4.3  | 4.5  | 4.5   | 4.6  | 4.7  | 4.9  |
| 1973.....                | 5.0  | 5.2  | 5.1  | 4.9  | 4.8 | 4.7  | 4.6  | 4.6  | 4.8   | 4.8  | 5.0  | 4.7  |
| 1974.....                | 4.7  | 4.6  | 4.5  | 4.6  | 4.5 | 4.3  | 4.3  | 4.1  | 4.0   | 3.8  | 3.3  | 3.1  |
| 1975.....                | 3.0  | 3.2  | 3.2  | 3.6  | 3.7 | 3.8  | 4.0  | 4.0  | 3.9   | 3.8  | 3.8  | 3.8  |
| 1976.....                | 4.2  | 4.1  | 4.2  | 4.0  | 4.0 | 3.8  | 3.9  | 3.8  | 3.7   | 3.7  | 3.8  | 3.9  |
| 1977.....                | 4.0  | 4.4  | 4.0  | 4.0  | 4.0 | 4.0  | 4.0  | 3.9  | 3.9   | 4.0  | 4.1  | 4.4  |
| 1978.....                | 4.1  | 3.9  | 4.0  | 4.2  | 4.0 | 4.0  | 4.0  | 4.1  | 4.2   | 4.3  | 4.3  | 4.4  |
| 1979.....                | 4.2  | 4.1  | 4.0  | 4.0  | 4.0 | 4.0  | 3.9  | 3.9  | 3.9   | 4.1  | 4.0  | 3.9  |
| 1980.....                | 3.9  | 3.9  | 3.6  | 3.0  | 3.0 | 3.3  | P3.4 |      |       |      |      |      |
| <b>New hires</b>         |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 3.3  | 3.2  | 2.9  | 2.8  | 2.7 | 2.8  | 2.8  | 2.7  | 2.6   | 2.5  | 2.4  | 2.4  |
| 1971.....                | 2.4  | 2.4  | 2.4  | 2.5  | 2.5 | 2.5  | 2.6  | 2.6  | 2.6   | 2.5  | 2.7  | 2.9  |
| 1972.....                | 3.0  | 3.1  | 3.2  | 3.2  | 3.3 | 3.2  | 3.2  | 3.3  | 3.4   | 3.6  | 3.7  | 4.0  |
| 1973.....                | 4.0  | 4.2  | 4.1  | 4.0  | 4.0 | 3.8  | 3.7  | 3.7  | 3.8   | 3.9  | 4.1  | 3.8  |
| 1974.....                | 3.8  | 3.7  | 3.6  | 3.5  | 3.5 | 3.3  | 3.3  | 3.1  | 3.0   | 2.7  | 2.3  | 1.9  |
| 1975.....                | 1.6  | 1.6  | 1.5  | 1.7  | 1.8 | 1.9  | 2.3  | 2.3  | 2.4   | 2.3  | 2.4  | 2.5  |
| 1976.....                | 2.6  | 2.7  | 2.9  | 2.8  | 2.7 | 2.7  | 2.7  | 2.6  | 2.5   | 2.4  | 2.5  | 2.6  |
| 1977.....                | 2.7  | 2.8  | 2.8  | 2.9  | 3.0 | 2.8  | 2.8  | 2.8  | 2.8   | 2.9  | 2.9  | 3.2  |
| 1978.....                | 3.0  | 2.9  | 3.0  | 3.1  | 3.0 | 3.0  | 3.0  | 3.1  | 3.2   | 3.3  | 3.4  | 3.4  |
| 1979.....                | 3.2  | 3.2  | 3.1  | 3.0  | 3.0 | 3.0  | 2.8  | 2.8  | 2.8   | 2.9  | 2.9  | 2.9  |
| 1980.....                | 2.8  | 2.8  | 2.5  | 2.1  | 1.8 | 1.8  | P1.9 |      |       |      |      |      |
| <b>Total separations</b> |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 5.0  | 5.2  | 4.9  | 5.2  | 5.0 | 4.8  | 4.5  | 4.8  | 4.8   | 5.0  | 4.7  | 4.4  |
| 1971.....                | 4.3  | 4.1  | 4.0  | 4.1  | 4.2 | 4.1  | 4.2  | 4.6  | 4.3   | 4.1  | 4.1  | 4.1  |
| 1972.....                | 4.2  | 4.1  | 4.2  | 4.2  | 4.2 | 4.5  | 4.5  | 4.2  | 4.3   | 4.1  | 4.3  | 4.4  |
| 1973.....                | 4.6  | 4.7  | 4.8  | 4.6  | 4.6 | 4.7  | 4.9  | 4.6  | 4.5   | 4.7  | 4.8  | 4.8  |
| 1974.....                | 5.1  | 5.0  | 4.9  | 4.7  | 4.6 | 4.5  | 4.5  | 4.8  | 4.4   | 4.8  | 5.2  | 4.9  |
| 1975.....                | 5.2  | 5.1  | 4.6  | 4.6  | 4.6 | 4.3  | 4.0  | 3.9  | 3.8   | 3.8  | 3.8  | 3.5  |
| 1976.....                | 3.6  | 3.6  | 3.8  | 3.9  | 3.7 | 3.9  | 3.9  | 4.0  | 3.9   | 3.8  | 3.6  | 3.6  |
| 1977.....                | 3.9  | 4.1  | 3.8  | 3.7  | 3.8 | 3.7  | 3.9  | 3.9  | 3.9   | 3.7  | 3.8  | 3.9  |
| 1978.....                | 3.8  | 3.8  | 3.8  | 4.0  | 3.9 | 3.9  | 3.9  | 3.8  | 3.8   | 4.0  | 4.0  | 4.1  |
| 1979.....                | 4.0  | 4.0  | 3.9  | 4.1  | 4.0 | 4.1  | 3.9  | 4.3  | 3.9   | 4.0  | 4.1  | 4.0  |
| 1980.....                | 4.1  | 4.0  | 4.3  | 5.3  | 5.7 | 5.1  | P3.8 |      |       |      |      |      |
| <b>Quits</b>             |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 2.4  | 2.5  | 2.3  | 2.3  | 2.1 | 2.2  | 2.1  | 2.0  | 2.0   | 1.9  | 1.8  | 1.9  |
| 1971.....                | 1.8  | 1.7  | 1.7  | 1.7  | 1.8 | 1.8  | 1.8  | 1.8  | 1.8   | 1.8  | 1.9  | 1.9  |
| 1972.....                | 2.1  | 2.1  | 2.2  | 2.2  | 2.2 | 2.2  | 2.2  | 2.2  | 2.3   | 2.3  | 2.5  | 2.6  |
| 1973.....                | 2.8  | 2.9  | 2.9  | 2.8  | 2.8 | 2.8  | 2.7  | 2.7  | 2.7   | 2.9  | 2.9  | 2.7  |
| 1974.....                | 2.7  | 2.8  | 2.7  | 2.6  | 2.6 | 2.5  | 2.5  | 2.4  | 2.2   | 2.0  | 1.8  | 1.7  |
| 1975.....                | 1.4  | 1.3  | 1.2  | 1.2  | 1.3 | 1.4  | 1.4  | 1.5  | 1.4   | 1.5  | 1.6  | 1.5  |
| 1976.....                | 1.6  | 1.7  | 1.8  | 1.8  | 1.7 | 1.7  | 1.6  | 1.7  | 1.7   | 1.6  | 1.5  | 1.6  |
| 1977.....                | 1.8  | 1.8  | 1.8  | 1.8  | 1.9 | 1.8  | 1.8  | 1.9  | 1.9   | 1.9  | 1.9  | 2.0  |
| 1978.....                | 1.9  | 1.9  | 2.0  | 2.1  | 2.0 | 2.1  | 2.1  | 2.1  | 2.1   | 2.2  | 2.2  | 2.2  |
| 1979.....                | 2.2  | 2.2  | 2.1  | 2.1  | 2.0 | 2.0  | 1.9  | 2.0  | 1.9   | 2.0  | 2.0  | 1.9  |
| 1980.....                | 1.9  | 1.9  | 1.9  | 1.5  | 1.4 | 1.4  | P1.3 |      |       |      |      |      |
| <b>Layoffs</b>           |      |      |      |      |     |      |      |      |       |      |      |      |
| 1970.....                | 1.5  | 1.7  | 1.8  | 1.9  | 1.9 | 1.9  | 1.5  | 1.9  | 1.9   | 2.2  | 2.0  | 1.7  |
| 1971.....                | 1.7  | 1.5  | 1.5  | 1.5  | 1.6 | 1.5  | 1.5  | 2.0  | 1.7   | 1.5  | 1.4  | 1.3  |
| 1972.....                | 1.2  | 1.2  | 1.1  | 1.2  | 1.2 | 1.4  | 1.4  | 1.1  | 1.0   | 1.0  | .9   | .9   |
| 1973.....                | .9   | .8   | .9   | .8   | .9  | .9   | 1.2  | 1.0  | .9    | .8   | 1.0  | 1.1  |
| 1974.....                | 1.4  | 1.3  | 1.2  | 1.1  | 1.1 | 1.1  | 1.1  | 1.4  | 1.3   | 1.8  | 2.5  | 2.5  |
| 1975.....                | 2.9  | 3.0  | 2.7  | 2.6  | 2.5 | 2.2  | 1.7  | 1.6  | 1.7   | 1.5  | 1.5  | 1.3  |
| 1976.....                | 1.2  | 1.0  | 1.2  | 1.3  | 1.2 | 1.3  | 1.3  | 1.4  | 1.4   | 1.4  | 1.3  | 1.2  |
| 1977.....                | 1.3  | 1.5  | 1.2  | 1.1  | 1.1 | 1.1  | 1.2  | 1.2  | 1.1   | 1.0  | 1.0  | 1.0  |
| 1978.....                | 1.0  | 1.0  | 1.0  | 1.0  | 1.0 | .9   | .9   | .9   | .8    | .9   | .9   | 1.0  |
| 1979.....                | .9   | .9   | .9   | 1.1  | 1.0 | 1.2  | 1.1  | 1.4  | 1.2   | 1.2  | 1.3  | 1.2  |
| 1980.....                | 1.3  | 1.3  | 1.5  | 2.9  | 3.5 | 2.9  | P1.7 |      |       |      |      |      |

p-preliminary.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

**D-4. Labor turnover rates in manufacturing for selected States and areas**

[ Per 100 employees ]

| State and area                      | Accession rates |                        |           |                        |          |                        | Separation rates |                        |          |                        |          |                        |
|-------------------------------------|-----------------|------------------------|-----------|------------------------|----------|------------------------|------------------|------------------------|----------|------------------------|----------|------------------------|
|                                     | Total           |                        | New hires |                        | Recalls  |                        | Total            |                        | Quits    |                        | Layoffs  |                        |
|                                     | May 1980        | June 1980 <sup>P</sup> | May 1980  | June 1980 <sup>P</sup> | May 1980 | June 1980 <sup>P</sup> | May 1980         | June 1980 <sup>P</sup> | May 1980 | June 1980 <sup>P</sup> | May 1980 | June 1980 <sup>P</sup> |
| <b>ALABAMA:</b>                     |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| Birmingham .....                    | 2.1             | 2.2                    | 1.2       | 1.0                    | 0.6      | 1.0                    | 5.1              | 7.5                    | 0.8      | 0.5                    | 3.4      | 6.4                    |
| Mobile .....                        | 5.0             | 9.3                    | 2.1       | 1.8                    | 2.5      | 7.3                    | 7.2              | 12.2                   | 1.2      | 1.4                    | 5.0      | 9.6                    |
| <b>ALASKA</b> .....                 | (*)             | (*)                    | (*)       | (*)                    | (*)      | (*)                    | (*)              | (*)                    | (*)      | (*)                    | (*)      | (*)                    |
| <b>ARIZONA</b> .....                | 3.9             | 3.9                    | 3.3       | 3.2                    | .6       | .5                     | 3.9              | 4.0                    | 2.2      | 2.0                    | .7       | .9                     |
| Phoenix .....                       | 3.7             | 3.8                    | 3.2       | 3.1                    | .5       | .5                     | 3.9              | 4.1                    | 2.2      | 2.0                    | .7       | .9                     |
| <b>ARKANSAS</b> .....               | 5.0             | 5.1                    | 3.5       | 2.9                    | 1.0      | 1.8                    | 7.0              | 5.3                    | 3.0      | 2.3                    | 3.0      | 2.1                    |
| Fort Smith .....                    | 3.5             | 4.2                    | 1.5       | 1.1                    | 1.2      | 2.0                    | 4.8              | 6.2                    | 1.6      | 1.1                    | 1.5      | 2.7                    |
| Little Rock—North Little Rock ..... | 2.7             | 3.2                    | 2.1       | 2.2                    | .3       | .8                     | 5.3              | 3.5                    | 1.7      | 1.5                    | 2.8      | 1.2                    |
| Pine Bluff .....                    | 3.6             | 3.2                    | 2.9       | 2.8                    | .5       | .3                     | 4.9              | 3.2                    | 1.5      | 1.5                    | 2.5      | .7                     |
| <b>CALIFORNIA</b> .....             | 3.9             | 4.4                    | 2.6       | 3.1                    | .8       | 1.1                    | 4.8              | 4.7                    | 1.7      | 1.8                    | 2.2      | 1.9                    |
| <b>COLORADO</b> .....               | 3.2             | 4.1                    | 2.8       | 3.5                    | .3       | .5                     | 3.5              | 3.3                    | 2.1      | 2.1                    | .7       | .5                     |
| Denver—Boulder .....                | 3.1             | 3.8                    | 2.8       | 3.3                    | .3       | .4                     | 3.5              | 3.0                    | 2.1      | 1.9                    | .8       | .5                     |
| <b>CONNECTICUT</b> .....            | 2.6             | 2.8                    | 1.9       | 2.1                    | .5       | .4                     | 2.8              | 2.7                    | 1.1      | 1.1                    | 1.0      | .9                     |
| Hartford .....                      | 2.8             | 2.6                    | 2.4       | 2.2                    | .1       | .1                     | 2.5              | 2.1                    | 1.2      | 1.1                    | .5       | .4                     |
| <b>DELAWARE</b> .....               | 2.2             | 2.5                    | 1.2       | 1.8                    | .5       | .4                     | 3.4              | 7.9                    | 1.1      | .9                     | 1.3      | 6.2                    |
| Wilmington .....                    | 1.7             | 1.8                    | .8        | 1.1                    | .4       | .4                     | 2.6              | 7.6                    | .7       | .5                     | 1.0      | 6.6                    |
| <b>FLORIDA</b> .....                | 4.1             | 5.2                    | 3.6       | 4.3                    | .4       | .3                     | 5.5              | 5.4                    | 2.9      | 2.9                    | 1.4      | 1.4                    |
| Fort Lauderdale—Hollywood .....     | 5.8             | 5.4                    | 4.9       | 5.0                    | .8       | .3                     | 5.1              | 5.3                    | 3.0      | 3.2                    | .6       | .9                     |
| Jacksonville .....                  | 3.9             | 5.8                    | 2.5       | 3.2                    | 1.3      | 2.5                    | 5.4              | 6.8                    | 2.0      | 2.0                    | 2.5      | 4.0                    |
| Miami .....                         | 4.7             | 4.9                    | 3.7       | 4.2                    | .9       | .7                     | 6.0              | 6.0                    | 2.5      | 2.9                    | 2.4      | 2.0                    |
| Orlando .....                       | 2.9             | 3.2                    | 2.5       | 2.4                    | .2       | .7                     | 6.3              | 5.3                    | 2.8      | 2.3                    | 2.5      | 2.1                    |
| Pensacola .....                     | 1.5             | 1.6                    | 1.3       | 1.4                    | .1       | .2                     | 2.6              | 2.0                    | 1.1      | 1.1                    | .7       | .2                     |
| Tampa—St. Petersburg .....          | 3.9             | 4.9                    | 3.5       | 4.0                    | .4       | .9                     | 4.5              | 4.1                    | 3.1      | 2.4                    | .6       | .8                     |
| West Palm Beach—Boca Raton .....    | 4.5             | 3.6                    | 4.0       | 3.4                    | .4       | .1                     | 5.0              | 4.3                    | 2.9      | 2.4                    | .6       | 1.1                    |
| <b>GEORGIA</b> .....                | 3.1             | 3.3                    | 2.4       | 2.6                    | .4       | .4                     | 4.0              | 3.4                    | 2.1      | 1.8                    | 1.0      | .8                     |
| Atlanta <sup>1</sup> .....          | 2.9             | 3.2                    | 2.4       | 2.6                    | .4       | .4                     | 3.3              | 3.0                    | 1.6      | 1.6                    | 1.0      | .6                     |
| <b>HAWAII</b> <sup>2</sup> .....    | 3.0             | 3.8                    | 2.3       | 2.1                    | .6       | 1.4                    | 4.2              | 2.4                    | 1.6      | 1.0                    | 2.0      | .8                     |
| <b>IDAHO</b> <sup>3</sup> .....     | 9.8             | 8.0                    | 2.0       | 2.7                    | 7.2      | 4.3                    | 5.8              | 4.7                    | 1.5      | 1.3                    | 3.2      | 1.9                    |
| <b>ILLINOIS:</b>                    |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| Chicago SMSA .....                  | 2.5             | 2.6                    | 1.6       | 1.6                    | .5       | .7                     | 3.7              | 3.5                    | 1.0      | 1.0                    | 1.6      | 1.6                    |
| Davenport—Rock Island—Moline .....  | 1.4             | 1.6                    | .7        | .8                     | .5       | .7                     | 3.9              | 3.6                    | .5       | .4                     | 2.9      | 2.6                    |
| Decatur .....                       | 1.9             | 1.4                    | .9        | .7                     | .7       | .5                     | 2.6              | 4.4                    | .2       | .3                     | 1.8      | 3.6                    |
| Peoria .....                        | 1.4             | 3.2                    | .4        | 1.0                    | .7       | 1.9                    | 2.4              | 1.8                    | .3       | .4                     | 1.8      | 1.0                    |
| Rockford .....                      | 1.8             | 2.4                    | 1.4       | 1.7                    | .4       | .4                     | 4.9              | 2.9                    | .7       | .7                     | 3.5      | 1.7                    |
| <b>INDIANA</b> <sup>4</sup> .....   | 2.7             | 3.2                    | 1.0       | .9                     | 1.1      | 1.6                    | 6.4              | 4.5                    | .6       | .6                     | 4.8      | 3.2                    |
| Indianapolis <sup>5</sup> .....     | 2.5             | 2.7                    | 1.5       | 1.0                    | .5       | .6                     | 4.8              | 3.6                    | .8       | 1.0                    | 2.9      | 1.7                    |
| <b>IOWA</b> .....                   | 2.9             | 3.0                    | 1.4       | 1.3                    | 1.2      | 1.5                    | 6.7              | 6.0                    | .9       | .8                     | 5.0      | 4.3                    |
| Cedar Rapids .....                  | 2.1             | 2.1                    | .8        | .5                     | .7       | 1.1                    | 4.8              | 4.5                    | .8       | .4                     | 3.7      | 3.8                    |
| Des Moines .....                    | 2.4             | 7.5                    | 1.1       | 2.4                    | .7       | 4.5                    | 16.6             | 6.3                    | 1.3      | 1.0                    | 14.5     | 4.6                    |
| <b>KANSAS</b> .....                 | 6.6             | 6.9                    | 2.7       | 2.8                    | 3.8      | 3.9                    | 8.4              | 8.6                    | 2.4      | 2.1                    | 5.0      | 5.6                    |
| Topeka .....                        | 2.3             | 3.1                    | 1.6       | 2.2                    | .7       | .8                     | 6.6              | 7.4                    | 1.6      | 1.5                    | 3.9      | 5.2                    |
| Wichita .....                       | 2.9             | 3.4                    | 2.4       | 2.8                    | .4       | .5                     | 6.0              | 3.8                    | 2.8      | 2.2                    | 2.2      | .6                     |
| <b>KENTUCKY</b> .....               | 3.0             | 2.8                    | 1.5       | 1.3                    | 1.1      | 1.1                    | 5.1              | 6.5                    | 1.0      | .9                     | 3.2      | 4.9                    |
| Lexington—Fayette .....             | 2.0             | 3.0                    | .6        | 1.2                    | .7       | .7                     | 4.5              | 5.3                    | .8       | .7                     | 2.9      | 3.8                    |
| Louisville .....                    | 2.1             | (*)                    | .7        | (*)                    | .5       | (*)                    | 2.9              | (*)                    | .5       | (*)                    | 1.2      | (*)                    |
| <b>LOUISIANA:</b>                   |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| New Orleans .....                   | 4.0             | 5.7                    | 3.4       | 4.8                    | .5       | .7                     | 4.4              | 5.1                    | 2.5      | 2.9                    | .3       | .8                     |
| <b>MAINE</b> .....                  | 5.1             | 6.3                    | 3.8       | 3.9                    | 1.1      | 2.2                    | 4.6              | 4.1                    | 2.3      | 1.9                    | 1.4      | 1.3                    |
| Portland .....                      | 4.0             | 3.6                    | 3.2       | 3.1                    | .4       | .4                     | 3.4              | 3.3                    | 2.1      | 2.0                    | .3       | .5                     |
| <b>MARYLAND</b> .....               | 2.6             | 3.2                    | 1.5       | 1.9                    | .9       | 1.1                    | 3.7              | 3.6                    | 1.0      | 1.0                    | 2.0      | 1.9                    |
| Baltimore .....                     | 2.2             | 2.7                    | 1.2       | 1.5                    | .8       | 1.0                    | 3.3              | 3.5                    | .8       | .8                     | 1.8      | 1.9                    |

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA LABOR TURNOVER**

**D-4. Labor turnover rates in manufacturing for selected States and areas—Continued**

[ Per 100 employees ]

| State and area                       | Accession rates |                        |                  |                        |          |                        | Separation rates |                        |          |                        |          |                        |
|--------------------------------------|-----------------|------------------------|------------------|------------------------|----------|------------------------|------------------|------------------------|----------|------------------------|----------|------------------------|
|                                      | Total           |                        | New hires        |                        | Recalls  |                        | Total            |                        | Quits    |                        | Layoffs  |                        |
|                                      | May 1980        | June 1980 <sup>p</sup> | May 1980         | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> | May 1980         | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> |
| <b>MASSACHUSETTS</b>                 | 3.4             | 4.2                    | 2.5              | 3.2                    | 0.6      | 0.7                    | 3.9              | 3.6                    | 1.6      | 1.5                    | 1.3      | 1.0                    |
| Boston                               | 3.0             | 4.3                    | 2.3              | 3.4                    | .4       | .5                     | 3.3              | 3.0                    | 1.3      | 1.3                    | 1.0      | .7                     |
| <b>MICHIGAN</b>                      | 2.5             | 3.3                    | .6               | 1.1                    | .9       | 1.6                    | 6.3              | 5.6                    | .5       | .5                     | 5.1      | 4.3                    |
| Detroit                              | 2.6             | .9                     | .5               | .8                     | .6       | 1.5                    | 6.5              | 5.5                    | .5       | .5                     | 5.2      | 4.0                    |
| Flint                                | 1.7             | 3.0                    | .1               | 1.8                    | .4       | .2                     | 9.4              | 10.1                   | .2       | .2                     | 8.3      | 8.9                    |
| Grand Rapids                         | 2.4             | 3.4                    | .8               | 1.5                    | 1.2      | 1.5                    | 4.6              | 2.8                    | .6       | .5                     | 3.5      | 1.6                    |
| Lansing—East Lansing                 | .7              | 1.4                    | ( <sup>6</sup> ) | .2                     | .6       | .8                     | 3.6              | 2.0                    | .8       | .2                     | 2.6      | 1.3                    |
| <b>MINNESOTA</b>                     | 2.9             | 4.2                    | 1.8              | 2.7                    | .9       | 1.3                    | 4.3              | 3.7                    | 1.6      | 1.4                    | 2.0      | 1.7                    |
| Minneapolis—St. Paul                 | 2.4             | 3.4                    | 1.9              | 2.5                    | .3       | .7                     | 3.6              | 3.0                    | 1.6      | 1.4                    | 1.3      | 1.0                    |
| <b>MISSISSIPPI:</b>                  |                 |                        |                  |                        |          |                        |                  |                        |          |                        |          |                        |
| Jackson                              | 4.4             | 3.2                    | 2.2              | 2.6                    | 2.2      | .4                     | 9.4              | 4.9                    | 1.7      | 1.7                    | 6.8      | 2.5                    |
| <b>MISSOURI</b>                      | 3.1             | 3.1                    | 2.0              | 2.0                    | .8       | .9                     | 4.8              | 3.6                    | 1.3      | 1.1                    | 2.8      | 2.0                    |
| Kansas City                          | 5.7             | 5.7                    | 1.7              | 1.8                    | 3.8      | 3.7                    | 8.1              | 7.0                    | 1.2      | 1.1                    | 6.1      | 5.2                    |
| St. Louis                            | 2.5             | 2.7                    | 1.3              | 1.6                    | 1.0      | 1.0                    | 4.2              | 3.6                    | .8       | .6                     | 2.7      | 2.4                    |
| <b>MONTANA</b>                       | 12.5            | 7.3                    | 1.5              | 2.6                    | 10.7     | 4.5                    | 2.5              | 2.3                    | 1.4      | 1.2                    | .6       | .4                     |
| <b>NEBRASKA</b>                      | 3.5             | 3.2                    | 2.4              | 2.2                    | .8       | .9                     | 4.5              | 3.7                    | 1.7      | 1.4                    | 2.0      | 1.4                    |
| <b>NEVADA</b>                        | 4.8             | 5.6                    | 3.2              | 4.9                    | 1.5      | .6                     | 9.1              | 5.6                    | 2.9      | 3.0                    | 3.9      | 1.5                    |
| <b>NEW HAMPSHIRE</b>                 | 5.0             | 4.0                    | 3.5              | 3.2                    | 1.2      | .6                     | 4.9              | 4.1                    | 2.8      | 2.5                    | 1.3      | .9                     |
| <b>NEW JERSEY:</b>                   |                 |                        |                  |                        |          |                        |                  |                        |          |                        |          |                        |
| Camden <sup>7</sup>                  | 2.5             | 3.3                    | 1.5              | 1.9                    | .7       | 1.0                    | 3.6              | 3.4                    | .9       | .8                     | 1.9      | 1.8                    |
| Hackensack                           | 3.6             | 4.4                    | 2.6              | 2.9                    | .9       | 1.3                    | 4.8              | 3.9                    | 1.7      | 1.4                    | 2.2      | 1.3                    |
| Jersey City                          | 3.0             | 3.5                    | 1.7              | 1.6                    | 1.2      | 1.8                    | 3.9              | 2.5                    | .8       | .7                     | 2.4      | 1.1                    |
| New Brunswick—Perth Amboy—Sayreville | 3.0             | 3.6                    | 1.7              | 2.8                    | .9       | .5                     | 3.5              | 3.5                    | 1.1      | 1.0                    | 1.6      | 1.6                    |
| Newark                               | 2.7             | 3.3                    | 2.0              | 2.3                    | .6       | .7                     | 4.0              | 3.7                    | 1.2      | 1.0                    | 2.0      | 1.8                    |
| Paterson—Clifton—Passaic             | 3.8             | 3.9                    | 2.2              | 2.5                    | 1.4      | 1.3                    | 6.4              | 4.2                    | 1.4      | 1.2                    | 4.2      | 2.1                    |
| Trenton                              | 4.2             | 4.8                    | 1.2              | 2.1                    | 2.6      | 2.5                    | 7.1              | 5.1                    | .9       | .8                     | 5.4      | 3.5                    |
| <b>NEW YORK</b>                      | 3.7             | 4.2                    | 2.0              | 2.4                    | 1.5      | 1.6                    | 4.4              | 4.4                    | 1.1      | 1.0                    | 2.5      | 2.6                    |
| Albany—Schenectady—Troy              | 3.4             | 2.7                    | 1.2              | 1.4                    | 1.6      | .8                     | 4.2              | 3.8                    | .6       | .6                     | 2.2      | 2.2                    |
| Binghamton                           | 1.9             | 2.3                    | 1.4              | 1.7                    | .4       | .4                     | 2.3              | 2.4                    | 1.0      | .9                     | .6       | 1.0                    |
| Buffalo                              | 1.9             | 5.0                    | .8               | 1.0                    | .8       | 3.8                    | 4.8              | 3.9                    | .4       | .4                     | 3.9      | 2.9                    |
| Elmira                               | 2.5             | 2.5                    | 1.6              | 1.9                    | .6       | .3                     | 2.0              | 3.9                    | .5       | .5                     | .3       | 2.2                    |
| Monroe County <sup>8</sup>           | 2.1             | 3.9                    | 1.6              | 3.2                    | .3       | .4                     | 2.9              | 1.4                    | .6       | .5                     | 1.9      | .4                     |
| Nassau—Suffolk <sup>9</sup>          | 3.6             | 4.4                    | 2.9              | 3.4                    | .5       | .9                     | 4.4              | 5.0                    | 2.1      | 1.8                    | 1.4      | 2.2                    |
| New York and Nassau—Suffolk          | 4.9             | 4.3                    | 2.6              | 2.7                    | 2.1      | 1.5                    | 4.8              | 4.9                    | 1.5      | 1.3                    | 2.5      | 2.8                    |
| New York SMSA <sup>9</sup>           | 5.2             | 4.3                    | 2.5              | 2.5                    | 2.5      | 1.7                    | 4.9              | 4.9                    | 1.3      | 1.1                    | 2.8      | 3.0                    |
| New York City <sup>10</sup>          | 5.8             | 4.6                    | 2.7              | 2.6                    | 2.9      | 1.9                    | 5.2              | 5.3                    | 1.4      | 1.1                    | 3.1      | 3.3                    |
| Rochester                            | 2.3             | 4.0                    | 1.6              | 3.2                    | .5       | .5                     | 3.1              | 1.7                    | .6       | .5                     | 1.9      | .5                     |
| Syracuse                             | 3.0             | 3.0                    | 1.6              | 1.5                    | 1.0      | 1.3                    | 2.9              | 2.9                    | .9       | .7                     | 1.3      | 1.5                    |
| Utica—Rome                           | 2.5             | 2.8                    | 1.6              | 1.5                    | .7       | 1.0                    | 4.1              | 3.6                    | 1.0      | .8                     | 2.5      | 2.4                    |
| Westchester County <sup>10</sup>     | 2.2             | 2.7                    | 1.7              | 1.9                    | .4       | .5                     | 2.6              | 2.8                    | 1.0      | .9                     | 1.0      | 1.3                    |
| <b>NORTH CAROLINA</b>                | 3.7             | 3.2                    | 2.9              | 2.6                    | .4       | .4                     | 4.0              | 3.5                    | 2.3      | 1.9                    | .8       | .8                     |
| Charlotte—Gastonia                   | 4.7             | 5.7                    | 4.0              | 4.9                    | .4       | .4                     | 5.2              | 6.4                    | 3.5      | 4.1                    | .6       | .8                     |
| Greensboro—Winston-Salem—High Point  | 3.5             | 3.0                    | 2.6              | 2.5                    | .1       | .2                     | 3.2              | 3.1                    | 1.9      | 1.6                    | .4       | .7                     |
| <b>NORTH DAKOTA</b>                  | 6.2             | 6.2                    | 3.5              | 2.3                    | 2.6      | 3.6                    | 10.1             | 8.5                    | 2.6      | 1.6                    | 6.8      | 5.8                    |
| Fargo—Moorhead                       | 6.5             | 3.9                    | 2.6              | 2.0                    | 3.0      | 1.6                    | 6.9              | 9.7                    | 1.9      | 1.3                    | 3.6      | 7.6                    |
| <b>OHIO</b>                          | 2.2             | 2.8                    | .8               | 1.1                    | (*)      | (*)                    | 5.3              | 4.5                    | .5       | .5                     | 4.0      | 3.3                    |
| Akron                                | 1.4             | 1.5                    | .7               | .9                     | (*)      | (*)                    | 3.6              | 3.1                    | .4       | .3                     | 2.7      | 2.3                    |
| Canton                               | 2.4             | 3.2                    | 1.0              | .9                     | (*)      | (*)                    | 4.9              | 5.2                    | .5       | .4                     | 3.3      | 3.7                    |
| Cincinnati                           | 2.1             | 2.4                    | 1.1              | 1.7                    | (*)      | (*)                    | 2.6              | 2.3                    | .6       | .6                     | 1.3      | 1.0                    |
| Cleveland                            | 2.5             | 2.7                    | .9               | 1.3                    | (*)      | (*)                    | 5.7              | 5.0                    | .5       | .6                     | 4.2      | 3.4                    |
| Columbus                             | 1.8             | 2.2                    | 1.2              | 1.5                    | (*)      | (*)                    | 3.0              | 2.8                    | .8       | .7                     | 1.5      | 1.5                    |
| Dayton                               | 1.5             | 2.7                    | 1.0              | .9                     | (*)      | (*)                    | 3.6              | 2.6                    | .5       | .5                     | 2.4      | 1.5                    |
| Toledo                               | 2.3             | 2.7                    | .6               | .9                     | (*)      | (*)                    | 7.4              | 4.3                    | .5       | .3                     | 5.9      | 3.2                    |
| Youngstown—Warren                    | 1.7             | 4.8                    | .4               | .5                     | (*)      | (*)                    | 8.0              | 4.3                    | .2       | .2                     | 7.1      | 3.3                    |
| <b>OKLAHOMA</b>                      | 5.3             | 4.9                    | 4.5              | 4.1                    | .5       | .6                     | 5.5              | 5.0                    | 3.5      | 3.2                    | 1.1      | .8                     |
| Oklahoma City                        | 4.4             | 4.3                    | 3.4              | 3.5                    | .5       | .5                     | 4.8              | 5.1                    | 3.1      | 2.8                    | .7       | 1.2                    |
| Tulsa <sup>11</sup>                  | 5.5             | 4.9                    | 4.9              | 4.5                    | .4       | .3                     | 5.4              | 4.4                    | 3.2      | 3.2                    | .9       | .2                     |
| <b>OREGON</b> <sup>4</sup>           | 3.8             | 3.7                    | 1.5              | 1.9                    | 2.2      | 1.5                    | 5.0              | 3.1                    | 1.3      | 1.3                    | 3.0      | 1.3                    |
| Eugene—Springfield <sup>4</sup>      | 2.6             | 4.2                    | 1.1              | 2.6                    | 1.2      | 1.5                    | 3.3              | 3.8                    | .7       | 1.3                    | 2.1      | 1.9                    |
| Portland                             | 2.8             | 3.4                    | 1.6              | 2.0                    | 1.2      | 1.1                    | 4.6              | 3.9                    | 1.4      | 1.4                    | 2.4      | 1.8                    |

See footnotes at end of table.



# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

## D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[ Per 100 employees ]

| State and area                            | Accession rates |                        |           |                        |          |                        | Separation rates |                        |          |                        |          |                        |
|---|-----------------|------------------------|-----------|------------------------|----------|------------------------|------------------|------------------------|----------|------------------------|----------|------------------------|
|   | Total           |                        | New hires |                        | Recalls  |                        | Total            |                        | Quits    |                        | Layoffs  |                        |
|   | May 1980        | June 1980 <sup>p</sup> | May 1980  | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> | May 1980         | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> | May 1980 | June 1980 <sup>p</sup> |
| <b>PENNSYLVANIA</b> .....                 | 2.8             | 3.3                    | 1.4       | 1.5                    | 1.1      | 1.4                    | 4.1              | 3.8                    | 0.8      | 0.7                    | 2.7      | 2.5                    |
| Allentown—Bethlehem—Easton .....          | 2.3             | 2.8                    | 1.4       | 1.4                    | .8       | 1.1                    | 3.7              | 3.1                    | .7       | .6                     | 2.4      | 1.9                    |
| Altoona .....                             | 2.4             | 2.3                    | .9        | 1.1                    | 1.3      | .9                     | 2.1              | 3.4                    | .5       | .7                     | 1.4      | 2.3                    |
| Erie .....                                | 2.7             | 2.9                    | 1.3       | 1.2                    | .9       | .9                     | 3.2              | 3.3                    | .7       | .5                     | 1.8      | 2.1                    |
| Harrisburgh .....                         | 2.7             | 2.4                    | 1.9       | 1.7                    | .6       | .5                     | 3.2              | 2.9                    | 1.0      | 1.0                    | 1.5      | 1.4                    |
| Johnstown .....                           | 2.7             | 1.4                    | .8        | .6                     | 1.2      | .8                     | 3.9              | 1.3                    | .5       | .3                     | 2.7      | .1                     |
| Lancaster .....                           | 2.6             | 3.6                    | 1.6       | 2.5                    | .9       | .8                     | 3.0              | 2.4                    | 1.1      | 1.1                    | 1.3      | .8                     |
| Northeast Pennsylvania .....              | 3.3             | 3.5                    | 1.6       | 2.0                    | 1.3      | 1.3                    | 4.9              | 4.7                    | .9       | 1.0                    | 3.3      | 3.1                    |
| Philadelphia SMSA .....                   | 2.9             | 3.5                    | 1.8       | 2.0                    | .9       | 1.2                    | 3.7              | 3.6                    | 1.0      | .9                     | 2.0      | 1.9                    |
| Pittsburgh .....                          | 2.6             | 3.2                    | .9        | .9                     | 1.3      | 1.9                    | 5.1              | 4.9                    | .4       | .3                     | 4.0      | 4.0                    |
| Reading .....                             | 2.8             | 2.8                    | 1.5       | 1.6                    | 1.1      | 1.0                    | 3.6              | 3.2                    | .9       | .8                     | 2.1      | 1.9                    |
| Scranton <sup>12</sup> .....              | 3.0             | 3.3                    | 1.5       | 1.6                    | 1.5      | 1.6                    | 4.3              | 5.1                    | 1.1      | 1.2                    | 2.7      | 3.5                    |
| Wilkes-Barre—Hazleton <sup>12</sup> ..... | 4.2             | 3.1                    | 2.1       | 1.7                    | 1.9      | 1.1                    | 5.0              | 3.3                    | .9       | .6                     | 3.3      | 2.2                    |
| Williamsport .....                        | 1.9             | 1.8                    | .8        | .9                     | 1.0      | .8                     | 2.6              | 1.4                    | .5       | .4                     | 1.8      | .7                     |
| York .....                                | 2.5             | 2.8                    | 1.4       | 1.5                    | 1.0      | 1.1                    | 4.1              | 2.8                    | 1.1      | .9                     | 2.5      | 1.5                    |
| <b>RHODE ISLAND</b> .....                 | 4.2             | 4.5                    | 2.3       | 2.7                    | 1.7      | 1.5                    | 5.9              | 4.3                    | 1.9      | 1.5                    | 3.1      | 1.8                    |
| Providence—Warwick—Pawtucket .....        | 4.1             | 3.9                    | 2.2       | 2.4                    | 1.7      | 1.3                    | 5.9              | 4.1                    | 1.9      | 1.5                    | 3.2      | 1.8                    |
| <b>SOUTH CAROLINA</b> .....               | 3.5             | 2.9                    | 2.7       | 2.0                    | .4       | .4                     | 4.8              | 4.3                    | 2.0      | 1.7                    | 1.6      | 1.5                    |
| Charleston—North Charleston .....         | 4.0             | 3.9                    | 3.4       | 3.0                    | .4       | .9                     | 7.4              | 3.0                    | 2.5      | 1.7                    | 2.9      | .6                     |
| Columbia .....                            | 3.7             | 2.3                    | 3.1       | 2.1                    | .4       | .1                     | 4.7              | 3.9                    | 2.5      | 1.6                    | 1.3      | 1.3                    |
| Greenville—Spartanburg .....              | 3.6             | 2.7                    | 3.2       | 2.3                    | .2       | .2                     | 4.2              | 3.6                    | 2.2      | 1.9                    | .8       | .6                     |
| <b>SOUTH DAKOTA</b> .....                 | 3.6             | 2.6                    | 1.5       | 1.6                    | 1.9      | .8                     | 4.6              | 3.4                    | 1.7      | 1.4                    | 2.2      | 1.4                    |
| Sioux Falls .....                         | 2.3             | 3.4                    | .8        | 1.2                    | 1.5      | 2.2                    | 4.6              | 2.1                    | 1.1      | .7                     | 3.4      | 1.2                    |
| <b>TENNESSEE:</b>                         |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| Memphis .....                             | 2.7             | 2.9                    | 1.8       | 1.8                    | .7       | .7                     | 4.6              | 3.3                    | 1.4      | 1.3                    | 2.5      | 1.2                    |
| <b>TEXAS:</b>                             |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| Dallas—Fort Worth .....                   | 5.9             | 4.7                    | 4.1       | 4.3                    | 1.7      | .3                     | 6.1              | 4.4                    | 3.1      | 2.9                    | 2.0      | .6                     |
| Houston .....                             | 4.2             | 4.4                    | 3.9       | 4.1                    | .2       | .1                     | 3.9              | 3.8                    | 2.5      | 2.5                    | .3       | .3                     |
| San Antonio .....                         | 5.0             | 5.8                    | 4.5       | 5.3                    | .3       | .4                     | 4.3              | 5.3                    | 2.9      | 3.5                    | .2       | .7                     |
| <b>UTAH</b> <sup>3</sup> .....            | 4.0             | 4.8                    | 3.5       | 3.9                    | .4       | .5                     | 4.8              | 4.9                    | 2.6      | 2.5                    | 1.3      | 1.4                    |
| Salt Lake City—Ogden <sup>3</sup> .....   | 3.8             | 4.5                    | 3.5       | 3.8                    | .3       | .4                     | 4.0              | 4.1                    | 2.6      | 2.7                    | .5       | .6                     |
| <b>VERMONT</b> .....                      | 3.6             | 3.5                    | 2.7       | 2.6                    | .7       | .7                     | 3.5              | 3.4                    | 1.5      | 1.2                    | 1.5      | 1.6                    |
| Burlington .....                          | 3.7             | 3.2                    | 3.3       | 2.9                    | .2       | .2                     | 2.3              | 1.8                    | 1.0      | .6                     | .8       | .8                     |
| Springfield .....                         | 2.6             | 4.5                    | 2.3       | 3.0                    | .2       | 1.3                    | 2.5              | 2.2                    | .9       | 1.0                    | 1.0      | .8                     |
| <b>VIRGINIA</b> .....                     | 3.1             | 3.1                    | 1.9       | 2.2                    | .9       | .6                     | 3.7              | 3.5                    | 1.4      | 1.3                    | 1.5      | 1.4                    |
| Richmond .....                            | 1.5             | 2.5                    | .8        | 1.6                    | .2       | .2                     | 2.7              | 2.2                    | .5       | .7                     | 1.4      | .7                     |
| <b>WASHINGTON:</b>                        |                 |                        |           |                        |          |                        |                  |                        |          |                        |          |                        |
| Seattle—Everett <sup>13</sup> .....       | 2.6             | 4.7                    | 1.8       | 3.0                    | .7       | 1.4                    | 2.6              | 2.8                    | 1.0      | 1.1                    | 1.1      | .9                     |
| <b>WISCONSIN</b> .....                    | 2.8             | 4.3                    | 1.3       | 1.8                    | 1.2      | 2.0                    | 4.3              | 4.4                    | .7       | .7                     | 2.8      | 2.9                    |
| Milwaukee .....                           | 2.4             | 3.2                    | 1.1       | 1.3                    | .8       | 1.3                    | 4.1              | 4.5                    | .6       | .6                     | 2.5      | 2.7                    |
| <b>WYOMING</b> .....                      | 14.1            | 8.2                    | 8.6       | 7.0                    | 5.1      | 1.1                    | 6.2              | 7.0                    | 4.0      | 3.0                    | .4       | 2.6                    |

<sup>1</sup> Excludes agricultural chemicals, and miscellaneous manufacturing.

<sup>2</sup> Excludes canned fruits, vegetables, preserves, jams, and jellies.

<sup>3</sup> Excludes canning and preserving, and sugar.

<sup>4</sup> Excludes canning and preserving.

<sup>5</sup> Excludes canning and preserving, and newspapers.

<sup>6</sup> Less than 0.05.

<sup>7</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau-Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Excludes new-hire rates for transportation equipment.

<sup>12</sup> Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

<sup>13</sup> Excludes canning and preserving, printing and publishing.

<sup>p</sup> preliminary.

\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover except for data for the State of California which are collected and calculated by the Bureau of Labor Statistics (Washington Office).

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

| State and area                            | Labor force |           |            | Unemployment |           |            |                        |           |            |
|---|-------------|-----------|------------|--------------|-----------|------------|------------------------|-----------|------------|
|   |             |           |            | Number       |           |            | Percent of labor force |           |            |
|   | JUL. 1979   | JUN. 1980 | JUL. 1980P | JUL. 1979    | JUN. 1980 | JUL. 1980P | JUL. 1979              | JUN. 1980 | JUL. 1980P |
| <b>ALABAMA</b> .....                      | 1,657.8     | 1,633.8   | 1,653.9    | 132.4        | 154.7     | 183.8      | 8.0                    | 9.5       | 11.1       |
| Birmingham .....                          | 380.9       | 383.4     | 388.6      | 24.0         | 34.4      | 41.2       | 6.3                    | 9.0       | 10.6       |
| Huntsville .....                          | 140.2       | 138.5     | 140.9      | 10.8         | 14.1      | 18.8       | 7.7                    | 10.2      | 13.4       |
| Mobile .....                              | 184.6       | 181.5     | 180.7      | 16.8         | 15.9      | 15.0       | 9.1                    | 8.8       | 8.3        |
| Montgomery .....                          | 121.6       | 118.4     | 118.5      | 7.6          | 9.6       | 9.0        | 6.2                    | 8.1       | 7.6        |
| Tuscaloosa .....                          | 51.2        | 51.1      | 52.0       | 3.1          | 4.4       | 5.3        | 6.1                    | 8.5       | 10.1       |
| <b>ALASKA</b> .....                       | 186.9       | 195.3     | 201.0      | 14.5         | 19.8      | 17.3       | 7.8                    | 10.2      | 8.6        |
| <b>ARIZONA</b> .....                      | 1,037.6     | 1,109.9   | 1,116.0    | 55.1         | 85.6      | 86.8       | 5.3                    | 7.7       | 7.8        |
| Phoenix .....                             | 632.4       | 681.9     | 683.7      | 28.9         | 47.7      | 47.4       | 4.6                    | 7.0       | 6.9        |
| Tucson .....                              | 184.5       | 196.5     | 198.2      | 8.2          | 12.7      | 12.5       | 4.4                    | 6.5       | 6.3        |
| <b>ARKANSAS</b> .....                     | 971.2       | 987.3     | 997.4      | 53.3         | 81.1      | 86.6       | 5.5                    | 8.2       | 8.7        |
| Fayetteville-Springdale .....             | 74.8        | 77.7      | 79.1       | 2.9          | 5.1       | 5.5        | 3.8                    | 6.6       | 7.0        |
| Fort Smith <sup>1</sup> .....             | 84.3        | 84.8      | 84.4       | 5.6          | 9.3       | 9.5        | 6.6                    | 11.0      | 11.2       |
| Little Rock-North Little Rock .....       | 186.2       | 191.2     | 192.5      | 7.2          | 11.6      | 12.0       | 3.9                    | 6.1       | 6.2        |
| Pine Bluff .....                          | 38.8        | 38.9      | 39.1       | 2.1          | 2.7       | 2.7        | 5.3                    | 7.0       | 6.9        |
| <b>CALIFORNIA</b> <sup>2</sup> .....      | 11,126.6    | 11,167.1  | 11,357.1   | 693.8        | 802.9     | 802.6      | 6.2                    | 7.2       | 7.1        |
| Anaheim-Santa Ana-Garden Grove .....      | 1,078.0     | 1,088.9   | 1,108.0    | 44.5         | 52.1      | 52.4       | 4.1                    | 4.8       | 4.7        |
| Bakersfield .....                         | 183.3       | 184.4     | 187.9      | 13.3         | 14.7      | 14.9       | 7.2                    | 8.0       | 7.9        |
| Fresno .....                              | 266.6       | 271.8     | 279.7      | 16.7         | 22.9      | 23.9       | 6.3                    | 8.4       | 8.5        |
| Los Angeles-Long Beach <sup>2</sup> ..... | 3,523.0     | 3,586.0   | 3,637.0    | 223.0        | 249.0     | 247.0      | 6.3                    | 7.0       | 6.8        |
| Modesto .....                             | 135.3       | 135.6     | 136.7      | 12.7         | 18.6      | 17.8       | 9.4                    | 13.7      | 13.0       |
| Oxnard-Simi Valley-Ventura .....          | 225.7       | 227.4     | 225.9      | 16.6         | 18.1      | 16.6       | 7.4                    | 8.0       | 7.3        |
| Riverside-San Bernardino-Ontario .....    | 575.5       | 589.4     | 598.7      | 39.5         | 48.9      | 51.8       | 6.9                    | 8.3       | 8.7        |
| Sacramento .....                          | 464.8       | 470.3     | 477.0      | 32.8         | 38.2      | 38.0       | 7.1                    | 8.1       | 8.0        |
| Salinas-Seaside-Monterey .....            | 135.8       | 131.9     | 133.1      | 8.4          | 10.6      | 10.2       | 6.2                    | 8.0       | 7.6        |
| San Diego .....                           | 736.0       | 743.6     | 759.2      | 47.0         | 56.1      | 57.0       | 6.4                    | 7.5       | 7.5        |
| San Francisco-Oakland .....               | 1,622.7     | 1,573.7   | 1,617.5    | 89.7         | 90.6      | 93.6       | 5.5                    | 5.8       | 5.8        |
| San Jose .....                            | 719.1       | 725.0     | 744.1      | 35.3         | 43.6      | 41.9       | 4.9                    | 6.0       | 5.6        |
| Santa Barbara-Santa Maria-Lompoc .....    | 148.5       | 145.2     | 149.2      | 7.7          | 8.7       | 8.5        | 5.2                    | 6.0       | 5.7        |
| Santa Rosa .....                          | 129.3       | 127.1     | 130.2      | 8.1          | 10.1      | 10.1       | 6.3                    | 7.9       | 7.8        |
| Stockton .....                            | 164.3       | 167.1     | 167.6      | 14.8         | 16.6      | 18.1       | 9.0                    | 9.9       | 10.8       |
| Vallejo-Fairfield-Napa .....              | 127.4       | 126.0     | 129.1      | 8.0          | 9.6       | 9.2        | 6.3                    | 7.6       | 7.2        |
| <b>COLORADO</b> .....                     | 1,413.1     | 1,475.5   | 1,476.6    | 66.4         | 89.1      | 86.9       | 4.7                    | 6.0       | 5.9        |
| Denver-Boulder .....                      | 828.4       | 870.0     | 869.3      | 36.6         | 47.8      | 47.0       | 4.4                    | 5.5       | 5.4        |
| <b>CONNECTICUT</b> .....                  | 1,613.5     | 1,639.3   | 1,637.6    | 88.7         | 96.7      | 102.2      | 5.5                    | 5.9       | 6.2        |
| Bridgeport .....                          | 195.9       | 199.1     | 198.2      | 11.3         | 12.3      | 12.8       | 5.8                    | 6.2       | 6.4        |
| Hartford .....                            | 390.0       | 395.8     | 396.4      | 17.7         | 19.6      | 19.7       | 4.5                    | 4.9       | 5.0        |
| New Britain .....                         | 74.2        | 75.9      | 75.7       | 4.1          | 4.4       | 5.3        | 5.5                    | 5.8       | 7.0        |
| New Haven-West Haven .....                | 205.3       | 210.5     | 209.2      | 11.3         | 13.0      | 13.4       | 5.5                    | 6.2       | 6.4        |
| Stamford .....                            | 123.7       | 126.7     | 125.7      | 5.5          | 6.4       | 5.0        | 4.4                    | 5.0       | 4.0        |
| Waterbury .....                           | 111.7       | 112.4     | 112.6      | 8.1          | 8.4       | 9.6        | 7.2                    | 7.4       | 8.6        |
| <b>DELAWARE</b> .....                     | 282.1       | 284.1     | 283.1      | 22.1         | 23.0      | 21.6       | 7.8                    | 8.1       | 7.6        |
| Wilmington <sup>1</sup> .....             | 247.1       | N.A.      | 246.4      | 18.8         | N.A.      | 21.3       | 7.6                    | N.A.      | 8.6        |
| <b>DISTRICT OF COLUMBIA</b> .....         | 329.4       | 322.6     | 330.5      | 25.8         | 22.6      | 22.9       | 7.8                    | 7.0       | 6.9        |
| Washington SMSA <sup>1</sup> .....        | 1,641.5     | 1,651.6   | 1,666.4    | 76.8         | 75.6      | 72.3       | 4.7                    | 4.6       | 4.3        |
| <b>FLORIDA</b> <sup>2</sup> .....         | 3,916.2     | 3,985.0   | 4,015.0    | 257.6        | 263.1     | 303.8      | 6.6                    | 6.6       | 7.6        |
| Fort Lauderdale-Hollywood .....           | 410.9       | 417.6     | 422.8      | 22.4         | 22.3      | 23.8       | 5.4                    | 5.3       | 5.6        |
| Jacksonville .....                        | 303.2       | 306.3     | 305.3      | 17.5         | 19.6      | 20.7       | 5.8                    | 6.4       | 6.8        |
| Miami .....                               | 735.8       | 740.8     | 749.2      | 45.1         | 49.1      | 53.1       | 6.1                    | 6.6       | 7.1        |
| Orlando .....                             | 315.9       | 326.0     | 332.4      | 21.6         | 21.8      | 26.3       | 6.8                    | 6.7       | 7.9        |
| Pensacola .....                           | 110.9       | 113.1     | 115.9      | 7.0          | 7.3       | 8.6        | 6.3                    | 6.5       | 7.5        |
| Tampa-St. Petersburg .....                | 603.2       | 605.0     | 610.0      | 34.2         | 35.8      | 42.4       | 5.7                    | 5.9       | 6.9        |
| West Palm Beach-Boca Raton .....          | 224.8       | 231.4     | 231.8      | 17.9         | 16.7      | 18.9       | 8.0                    | 7.2       | 8.2        |
| <b>GEORGIA</b> .....                      | 2,346.5     | 2,431.8   | 2,434.3    | 124.4        | 185.6     | 186.0      | 5.3                    | 7.6       | 7.6        |
| Albany .....                              | 49.3        | 52.9      | 53.0       | 3.1          | 4.6       | 4.3        | 6.2                    | 8.6       | 8.2        |
| Atlanta .....                             | 937.7       | 966.2     | 962.3      | 42.6         | 64.3      | 57.9       | 4.5                    | 6.7       | 6.0        |
| Augusta .....                             | 122.5       | 122.7     | 123.9      | 7.3          | 8.8       | 9.4        | 5.9                    | 7.1       | 7.6        |
| Columbus <sup>1</sup> .....               | 86.6        | 87.6      | 87.5       | 6.0          | 7.2       | 7.3        | 6.9                    | 8.2       | 8.4        |
| Macon .....                               | 98.5        | 98.7      | 99.3       | 5.8          | 6.4       | 6.7        | 5.9                    | 6.5       | 6.8        |
| Savannah .....                            | 87.1        | 88.0      | 88.0       | 5.1          | 6.6       | 6.4        | 5.8                    | 7.5       | 7.3        |

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

| State and area                                   | Labor force  |              |               | Unemployment |              |               |                        |              |               |
|--|--------------|--------------|---------------|--------------|--------------|---------------|------------------------|--------------|---------------|
|  |              |              |               | Number       |              |               | Percent of labor force |              |               |
|  | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979           | JUN.<br>1980 | JUL.<br>1980P |
| <b>HAWAII</b> .....                              | 407.3        | 403.3        | 408.1         | 25.7         | 20.5         | 22.1          | 6.3                    | 5.1          | 5.4           |
| Honolulu .....                                   | 319.4        | 315.4        | 319.0         | 19.6         | 15.3         | 16.5          | 6.1                    | 4.9          | 5.2           |
| <b>IDAHO</b> .....                               | 435.0        | 437.8        | 435.1         | 20.7         | 36.2         | 34.9          | 4.8                    | 8.3          | 8.0           |
| Boise City .....                                 | 90.6         | 89.9         | 87.8          | 3.2          | 6.5          | 5.8           | 3.5                    | 7.2          | 6.6           |
| <b>ILLINOIS</b> <sup>2</sup> .....               | 5,461.5      | 5,493.5      | 5,565.9       | 276.8        | 504.7        | 549.1         | 5.1                    | 9.2          | 9.9           |
| Bloomington—Normal .....                         | 58.3         | 58.2         | 57.8          | 1.8          | 3.9          | 4.1           | 3.1                    | 6.7          | 7.1           |
| Champaign—Urbana—Rantoul .....                   | 78.6         | 79.5         | 78.9          | 3.3          | 5.3          | 5.3           | 4.2                    | 6.7          | 6.7           |
| Chicago .....                                    | 3,408.5      | 3,429.9      | 3,498.5       | 168.0        | 291.3        | 319.6         | 4.9                    | 8.5          | 9.1           |
| Deavenport—Rock Island—Moline <sup>1</sup> ..... | 186.6        | 187.4        | 188.1         | 8.4          | 14.1         | 15.0          | 4.5                    | 7.5          | 8.0           |
| Decatur .....                                    | 58.6         | 63.3         | 63.3          | 3.6          | 8.8          | 10.1          | 6.2                    | 13.9         | 15.9          |
| Peoria .....                                     | 177.0        | 178.2        | 177.5         | 7.6          | 15.8         | 16.5          | 4.3                    | 8.9          | 9.3           |
| Rockford .....                                   | 138.9        | 137.5        | 137.6         | 6.8          | 15.2         | 16.7          | 4.9                    | 11.0         | 12.1          |
| Springfield .....                                | 95.8         | 98.3         | 101.2         | 4.9          | 8.1          | 8.7           | 5.1                    | 8.3          | 8.6           |
| <b>INDIANA</b> .....                             | 2,654.8      | 2,701.1      | 2,661.3       | 176.8        | 320.7        | 301.0         | 6.7                    | 11.9         | 11.3          |
| Anderson .....                                   | 61.0         | 60.4         | 58.8          | 5.5          | 13.4         | 11.9          | 8.9                    | 22.1         | 20.2          |
| Evansville <sup>1</sup> .....                    | 148.2        | N.A.         | N.A.          | 8.2          | N.A.         | N.A.          | 5.6                    | N.A.         | N.A.          |
| Fort Wayne .....                                 | 200.3        | 201.3        | 200.6         | 12.4         | 22.5         | 21.9          | 6.2                    | 11.2         | 10.9          |
| Gary—Hammond—East Chicago .....                  | 301.3        | 310.8        | 310.9         | 18.6         | 43.4         | 44.1          | 6.2                    | 14.0         | 14.2          |
| Indianapolis .....                               | 600.9        | 622.1        | 613.7         | 33.5         | 54.6         | 51.2          | 5.6                    | 8.8          | 8.3           |
| Lafayette—West Lafayette .....                   | 60.5         | 59.9         | 60.0          | 3.3          | 4.7          | 4.2           | 5.4                    | 7.8          | 7.0           |
| Muncie .....                                     | 56.0         | 58.6         | 58.9          | 4.3          | 7.9          | 8.7           | 7.6                    | 13.4         | 14.7          |
| South Bend .....                                 | 141.5        | 146.1        | 143.7         | 9.8          | 16.2         | 15.9          | 6.9                    | 11.1         | 11.0          |
| Terre Haute .....                                | 83.7         | 82.3         | 81.0          | 5.1          | 7.7          | 7.3           | 6.1                    | 9.4          | 9.0           |
| <b>IOWA</b> .....                                | 1,480.1      | 1,499.1      | 1,481.0       | 59.4         | 97.0         | 91.0          | 4.0                    | 6.5          | 6.1           |
| Cedar Rapids .....                               | 87.4         | 91.8         | 90.7          | 3.2          | 7.0          | 7.1           | 3.6                    | 7.7          | 7.8           |
| Des Moines .....                                 | 184.9        | 186.5        | 185.0         | 7.9          | 12.2         | 11.4          | 4.3                    | 6.6          | 6.2           |
| Dubuque .....                                    | 46.3         | 46.7         | 45.9          | 2.5          | 4.0          | 4.0           | 5.3                    | 8.5          | 8.7           |
| Sioux City <sup>1</sup> .....                    | 56.1         | 55.9         | N.A.          | 4.1          | 3.7          | N.A.          | 7.3                    | 6.7          | N.A.          |
| Waterloo—Cedar Falls .....                       | 69.6         | 71.6         | 70.9          | 3.2          | 5.1          | 4.9           | 4.5                    | 7.1          | 6.9           |
| <b>KANSAS</b> .....                              | 1,223.4      | 1,244.7      | 1,228.4       | 45.0         | 61.6         | 57.7          | 3.7                    | 5.0          | 4.7           |
| Topeka .....                                     | 100.0        | 100.9        | 99.4          | 4.7          | 5.7          | 5.5           | 4.7                    | 5.6          | 5.6           |
| Wichita .....                                    | 233.7        | 236.1        | 233.8         | 8.6          | 12.1         | 11.3          | 3.7                    | 5.1          | 4.8           |
| <b>KENTUCKY</b> .....                            | 1,581.0      | 1,605.1      | 1,597.7       | 92.7         | 123.2        | 126.0         | 5.9                    | 7.7          | 7.9           |
| Lexington—Fayette .....                          | 167.6        | 169.5        | 167.6         | 6.9          | 8.3          | 8.2           | 4.1                    | 4.9          | 4.9           |
| Louisville <sup>1</sup> .....                    | 421.7        | 427.6        | 425.0         | 22.9         | 37.7         | 30.3          | 5.4                    | 8.8          | 7.1           |
| Owensboro .....                                  | 37.9         | 40.1         | 39.9          | 2.1          | 2.8          | 3.0           | 5.6                    | 7.0          | 7.4           |
| <b>LOUISIANA</b> .....                           | 1,702.7      | 1,732.2      | 1,726.7       | 120.4        | 135.0        | 113.1         | 7.1                    | 7.8          | 6.5           |
| Alexandria .....                                 | 68.1         | 67.4         | 66.7          | 6.3          | 6.8          | 5.6           | 9.2                    | 10.1         | 8.4           |
| Baton Rouge .....                                | 205.1        | 208.8        | 208.8         | 14.7         | 16.0         | 13.0          | 7.2                    | 7.7          | 6.2           |
| Lafayette .....                                  | 73.5         | 77.6         | 78.4          | 3.4          | 3.8          | 3.1           | 4.7                    | 4.8          | 4.0           |
| Lake Charles .....                               | 72.4         | 72.3         | 72.1          | 5.3          | 6.0          | 4.6           | 7.3                    | 8.3          | 6.3           |
| Monroe .....                                     | 53.0         | 52.9         | 52.5          | 4.1          | 5.2          | 4.5           | 7.7                    | 9.9          | 8.6           |
| New Orleans .....                                | 475.1        | 482.1        | 477.3         | 30.8         | 32.6         | 27.3          | 6.5                    | 6.8          | 5.7           |
| Shreveport .....                                 | 155.3        | 157.1        | 155.2         | 10.0         | 12.9         | 11.1          | 6.4                    | 8.2          | 7.2           |
| <b>MAINE</b> .....                               | 516.5        | 512.9        | 517.2         | 45.7         | 39.3         | 49.1          | 8.9                    | 7.7          | 9.5           |
| Lewiston—Auburn .....                            | 38.9         | 39.6         | 38.0          | 5.2          | 2.8          | 4.0           | 13.4                   | 7.0          | 10.4          |
| Portland .....                                   | 89.1         | 91.9         | 90.9          | 5.5          | 5.5          | 6.1           | 6.2                    | 6.0          | 6.7           |
| <b>MARYLAND</b> .....                            | 2,133.4      | 2,174.6      | 2,196.2       | 125.4        | 152.1        | 151.1         | 5.9                    | 7.0          | 6.9           |
| Baltimore .....                                  | 1,064.6      | 1,076.8      | 1,091.2       | 70.0         | 87.6         | 88.7          | 6.6                    | 8.1          | 8.1           |
| <b>MASSACHUSETTS</b> <sup>2</sup> .....          | 2,943.4      | 2,893.9      | 2,927.6       | 146.0        | 191.5        | 178.3         | 5.0                    | 6.6          | 6.1           |
| Boston .....                                     | 1,425.5      | 1,414.6      | 1,446.0       | 67.7         | 83.4         | 75.4          | 4.7                    | 5.9          | 5.2           |
| Brockton .....                                   | 81.4         | 81.9         | 80.8          | 4.6          | 7.0          | 5.9           | 5.7                    | 8.5          | 7.3           |
| Fall River <sup>1</sup> .....                    | 77.3         | 77.7         | 77.8          | 5.3          | 6.9          | 7.4           | 6.9                    | 8.9          | 9.5           |
| Lawrence—Haverhill <sup>1</sup> .....            | 141.6        | 142.4        | 141.9         | 9.3          | 10.0         | 10.0          | 6.6                    | 7.0          | 7.0           |
| Lowell .....                                     | 120.0        | 122.2        | 118.7         | 6.0          | 8.6          | 7.5           | 5.0                    | 7.0          | 6.3           |
| New Bedford .....                                | 82.3         | 79.3         | 81.4          | 5.6          | 7.2          | 8.0           | 6.8                    | 9.0          | 9.9           |
| Springfield—Chicopee—Holyoke .....               | 279.6        | 267.8        | 268.1         | 11.3         | 17.0         | 16.0          | 4.1                    | 6.4          | 6.0           |
| Worcester .....                                  | 196.8        | 196.2        | 196.6         | 8.7          | 12.4         | 11.1          | 4.4                    | 6.3          | 5.6           |
| <b>MICHIGAN</b> <sup>2</sup> .....               | 4,391.1      | 4,413.2      | 4,373.3       | 337.7        | 619.8        | 616.6         | 7.7                    | 14.0         | 14.1          |
| Ann Arbor .....                                  | 142.0        | 143.8 P      | N.A.          | 7.6          | 14.9 P       | N.A.          | 5.4                    | 10.4 P       | N.A.          |

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

| State and area                          | Labor force  |              |               | Unemployment |              |               |                        |              |               |
|---|--------------|--------------|---------------|--------------|--------------|---------------|------------------------|--------------|---------------|
|   |              |              |               | Number       |              |               | Percent of labor force |              |               |
|   | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979           | JUN.<br>1980 | JUL.<br>1980P |
| <b>MICHIGAN—Continued</b>               |              |              |               |              |              |               |                        |              |               |
| Battle Creek                            | 81.4         | 81.9 P       | N.A.          | 5.0          | 9.7 P        | N.A.          | 6.1                    | 11.9 P       | N.A.          |
| Bay City                                | 51.3         | 55.2 P       | N.A.          | 3.4          | 10.2 P       | N.A.          | 6.5                    | 18.5 P       | N.A.          |
| Detroit                                 | 2,074.5      | 2,075.5 P    | N.A.          | 164.3        | 299.6 P      | N.A.          | 7.9                    | 14.4 P       | N.A.          |
| Flint                                   | 233.2        | 237.3 P      | N.A.          | 24.1         | 54.7 P       | N.A.          | 10.3                   | 23.1 P       | N.A.          |
| Grand Rapids                            | 312.4        | 320.0 P      | N.A.          | 17.1         | 32.7 P       | N.A.          | 5.5                    | 10.2 P       | N.A.          |
| Jackson                                 | 70.3         | 67.4 P       | N.A.          | 4.9          | 8.6 P        | N.A.          | 6.9                    | 12.7 P       | N.A.          |
| Kalamazoo—Portage                       | 134.5        | 138.1 P      | N.A.          | 7.3          | 13.7 P       | N.A.          | 5.4                    | 9.9 P        | N.A.          |
| Lansing—East Lansing                    | 239.9        | 224.3 P      | N.A.          | 18.8         | 24.5 P       | N.A.          | 7.9                    | 10.0 P       | N.A.          |
| Muskegon—Norton Shores—Muskegon Heights | 78.8         | 80.1 P       | N.A.          | 6.7          | 11.5 P       | N.A.          | 8.5                    | 14.4 P       | N.A.          |
| Saginaw                                 | 105.1        | 107.8 P      | N.A.          | 6.7          | 20.8 P       | N.A.          | 6.4                    | 19.3 P       | N.A.          |
| <b>MINNESOTA</b>                        | 2,127.9      | 2,200.2      | 2,174.8       | 79.9         | 140.8        | 130.2         | 3.8                    | 6.4          | 6.0           |
| Duluth—Superior <sup>1</sup>            | 120.5        | 120.8        | 120.0         | 6.7          | 11.4         | 10.6          | 5.5                    | 9.4          | 8.9           |
| Minneapolis—St. Paul                    | 1,105.9      | 1,137.2      | 1,114.4       | 35.6         | 59.8         | 55.2          | 3.2                    | 5.3          | 5.0           |
| <b>MISSISSIPPI</b>                      | 1,009.2      | 1,040.7      | 1,044.6       | 60.1         | 89.2         | 83.4          | 6.0                    | 8.6          | 8.0           |
| Jackson                                 | 149.9        | 157.3        | 157.5         | 6.1          | 8.8          | 8.1           | 4.1                    | 5.6          | 5.1           |
| <b>MISSOURI</b>                         | 2,323.0      | 2,384.4      | 2,362.7       | 98.5         | 185.6        | 175.7         | 4.2                    | 7.8          | 7.4           |
| Kansas City <sup>1</sup>                | 708.2        | 701.3        | 697.9         | 31.6         | 50.6         | 44.5          | 4.5                    | 7.2          | 6.4           |
| St. Joseph                              | 45.3         | 46.4         | 46.3          | 2.0          | 3.6          | 3.7           | 4.4                    | 7.8          | 8.0           |
| St. Louis <sup>1</sup>                  | 1,115.0      | 1,117.4      | 1,113.8       | 55.4         | 102.3        | 95.7          | 5.0                    | 9.2          | 8.6           |
| Springfield                             | 102.8        | 104.4        | 105.4         | 3.5          | 5.8          | 6.2           | 3.4                    | 5.6          | 5.9           |
| <b>MONTANA</b>                          | 390.6        | 396.3        | 392.5         | 18.2         | 23.7         | 24.4          | 4.7                    | 6.0          | 6.2           |
| Billings                                | 57.1         | 58.7         | 58.8          | 1.9          | 2.9          | 2.9           | 3.3                    | 5.0          | 4.9           |
| Great Falls                             | 35.2         | 35.0         | 35.1          | 2.1          | 2.6          | 2.6           | 6.1                    | 7.3          | 7.5           |
| <b>NEBRASKA</b>                         | 799.5        | 809.1        | 797.8         | 23.7         | 33.9         | 31.6          | 3.0                    | 4.2          | 4.0           |
| Lincoln                                 | 109.7        | 114.8        | N.A.          | 3.0          | 4.2          | N.A.          | 2.8                    | 3.7          | N.A.          |
| Omaha <sup>1</sup>                      | 282.5        | 285.7        | N.A.          | 11.8         | 17.0         | N.A.          | 4.2                    | 5.9          | N.A.          |
| <b>NEVADA</b>                           | 365.2        | 376.2        | 382.5         | 19.3         | 23.6         | 25.2          | 5.3                    | 6.3          | 6.6           |
| Las Vegas                               | 197.9        | 205.7        | 209.9         | 12.6         | 15.4         | 16.4          | 6.4                    | 7.5          | 7.8           |
| Reno                                    | 107.5        | 109.0        | 110.1         | 3.7          | 4.9          | 5.2           | 3.4                    | 4.5          | 4.8           |
| <b>NEW HAMPSHIRE</b>                    | 457.3        | 471.0        | 473.5         | 17.2         | 23.6         | 26.4          | 3.8                    | 5.0          | 5.6           |
| Manchester                              | 80.5         | 82.1         | 83.4          | 3.6          | 4.2          | 5.3           | 4.4                    | 5.1          | 6.3           |
| Nashua                                  | 72.1         | 78.0         | 77.3          | 2.6          | 3.8          | 3.9           | 3.6                    | 4.9          | 5.0           |
| <b>NEW JERSEY</b>                       | 3,603.7      | 3,645.2      | 3,675.8       | 286.4        | 294.0        | 299.5         | 7.9                    | 8.1          | 8.1           |
| Atlantic City                           | 105.1        | 106.5        | 111.8         | 9.8          | 8.8          | 9.0           | 9.4                    | 8.3          | 8.1           |
| Jersey City                             | 253.1        | 249.8        | 251.7         | 28.6         | 29.2         | 28.5          | 11.3                   | 11.7         | 11.3          |
| Long Branch—Asbury Park                 | 235.6        | 235.3        | 239.5         | 18.2         | 18.9         | 19.2          | 7.7                    | 8.0          | 8.0           |
| Newark                                  | 969.8        | 977.1        | 985.8         | 82.1         | 78.3         | 80.3          | 8.5                    | 8.0          | 8.1           |
| New Brunswick—Perth Amboy—Sayreville    | 325.6        | 338.1        | 340.3         | 22.6         | 25.3         | 25.5          | 6.9                    | 7.5          | 7.5           |
| Paterson—Clifton—Passaic                | 219.4        | 222.0        | 223.0         | 21.1         | 22.5         | 23.1          | 9.6                    | 10.1         | 10.4          |
| Trenton                                 | 162.6        | 165.4        | 163.5         | 12.5         | 11.9         | 12.6          | 7.7                    | 7.2          | 7.7           |
| Vineland—Millville—Bridgeton            | 61.6         | 63.7         | 64.2          | 6.0          | 7.5          | 7.3           | 9.8                    | 11.7         | 11.4          |
| <b>NEW MEXICO</b>                       | 547.0        | 555.8        | 553.7         | 35.6         | 45.1         | 42.1          | 6.5                    | 8.1          | 7.6           |
| Albuquerque                             | 202.9        | 209.6        | 210.2         | 13.0         | 18.1         | 17.0          | 6.4                    | 8.6          | 8.1           |
| <b>NEW YORK<sup>2</sup></b>             | 8,200.9      | 8,002.6      | 8,238.9       | 609.5        | 565.1        | 669.2         | 7.4                    | 7.1          | 8.1           |
| Albany—Schenectady—Troy                 | 384.7        | 376.5        | 382.7         | 19.0         | 22.3         | 22.5          | 4.9                    | 5.9          | 5.9           |
| Binghamton <sup>1</sup>                 | 143.3        | 140.9        | 141.1         | 8.6          | 9.3          | 10.0          | 6.0                    | 6.6          | 7.1           |
| Buffalo                                 | 588.1        | 579.0        | 590.3         | 39.3         | 58.0         | 61.3          | 6.7                    | 10.0         | 10.4          |
| Elmira                                  | 41.1         | 39.7         | 40.0          | 2.3          | 3.2          | 3.2           | 5.7                    | 8.1          | 8.1           |
| Nassau—Suffolk                          | 1,340.1      | 1,305.2      | 1,325.2       | 84.9         | 80.5         | 81.1          | 6.3                    | 6.2          | 6.1           |
| New York                                | 3,721.6      | 3,629.8      | 3,791.9       | 344.8        | 248.1        | 347.7         | 9.3                    | 6.8          | 9.2           |
| New York City <sup>2</sup>              | 3,094.0      | 3,015.0      | 3,168.0       | 316.0        | 219.0        | 319.0         | 10.2                   | 7.3          | 10.1          |
| Poughkeepsie                            | 109.9        | 109.1        | 109.1         | 4.8          | 6.0          | 5.7           | 4.3                    | 5.5          | 5.2           |
| Rochester                               | 480.9        | 468.6        | 472.9         | 23.6         | 31.1         | 30.4          | 4.9                    | 6.6          | 6.4           |
| Syracuse                                | 308.7        | 301.3        | 307.0         | 16.1         | 23.5         | 23.3          | 5.2                    | 7.8          | 7.6           |
| Utica—Rome                              | 142.3        | 138.4        | 141.6         | 8.1          | 10.1         | 11.1          | 5.7                    | 7.3          | 7.9           |
| <b>NORTH CAROLINA</b>                   | 2,768.1      | 2,817.9      | 2,822.7       | 150.3        | 208.8        | 229.1         | 5.4                    | 7.4          | 8.1           |
| Asheville                               | 87.7         | 87.2         | 88.7          | 4.0          | 5.2          | 5.5           | 4.5                    | 6.0          | 6.1           |
| Charlotte—Gastonia                      | 337.4        | 348.6        | 350.8         | 15.6         | 20.4         | 19.5          | 4.6                    | 5.8          | 5.6           |

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

| State and area                                  | Labor force  |              |               | Unemployment |              |               |                        |              |               |
|---|--------------|--------------|---------------|--------------|--------------|---------------|------------------------|--------------|---------------|
|   |              |              |               | Number       |              |               | Percent of labor force |              |               |
|   | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979 | JUN.<br>1980 | JUL.<br>1980P | JUL.<br>1979           | JUN.<br>1980 | JUL.<br>1980P |
| <b>NORTH CAROLINA—Continued</b>                 |              |              |               |              |              |               |                        |              |               |
| Greensboro—Winston-Salem—High Point .....       | 419.6        | 434.5        | 432.5         | 19.9         | 30.2         | 29.9          | 4.8                    | 7.0          | 6.9           |
| Raleigh—Durham .....                            | 283.2        | 297.9        | 296.7         | 11.8         | 15.8         | 14.6          | 4.2                    | 5.3          | 4.9           |
| <b>NORTH DAKOTA</b>                             |              |              |               |              |              |               |                        |              |               |
| Fargo—Moorehead <sup>1</sup> .....              | 332.9        | 325.2        | 334.3         | 9.6          | 16.3         | 17.3          | 2.9                    | 5.0          | 5.2           |
|   | 72.5         | 72.1         | 71.9          | 2.5          | 4.4          | 4.5           | 3.4                    | 6.1          | 6.2           |
| <b>OHIO<sup>2</sup></b>                         |              |              |               |              |              |               |                        |              |               |
| .....   | 5,084.2      | 5,156.3      | 5,240.1       | 336.3        | 502.5        | 536.4         | 6.6                    | 9.7          | 10.2          |
| Akron .....                                     | 306.0        | 304.9        | 311.4         | 21.6         | 28.3         | 30.7          | 7.1                    | 9.3          | 9.9           |
| Canton .....                                    | 187.9        | 189.8        | 196.2         | 12.0         | 18.6         | 22.1          | 6.4                    | 9.8          | 11.2          |
| Cincinnati <sup>1</sup> .....                   | 663.0        | 678.7        | 684.0         | 39.6         | 52.4         | 55.0          | 6.0                    | 7.7          | 8.0           |
| Cleveland .....                                 | 943.7        | 947.1        | 970.4         | 53.0         | 78.0         | 89.0          | 5.6                    | 8.2          | 9.2           |
| Columbus .....                                  | 541.5        | 548.6        | 558.2         | 29.9         | 35.0         | 37.2          | 5.5                    | 6.4          | 6.7           |
| Dayton .....                                    | 391.7        | 394.3        | 396.5         | 30.7         | 35.6         | 37.0          | 7.8                    | 9.0          | 9.3           |
| Toledo <sup>1</sup> .....                       | 368.5        | N.A.         | N.A.          | 28.3         | N.A.         | N.A.          | 7.7                    | N.A.         | N.A.          |
| Youngstown—Warren .....                         | 238.3        | 242.7        | 248.5         | 17.8         | 33.3         | 37.3          | 7.5                    | 13.7         | 15.0          |
| <b>OKLAHOMA</b>                                 |              |              |               |              |              |               |                        |              |               |
| .....   | 1,298.8      | 1,337.5      | 1,324.0       | 44.9         | 58.5         | 58.0          | 3.5                    | 4.4          | 4.4           |
| Oklahoma City .....                             | 393.8        | 418.5        | 414.0         | 12.3         | 16.9         | 16.0          | 3.1                    | 4.0          | 3.9           |
| Tulsa .....                                     | 312.9        | 315.9        | 314.7         | 10.6         | 12.9         | 12.6          | 3.4                    | 4.1          | 4.0           |
| <b>OREGON</b>                                   |              |              |               |              |              |               |                        |              |               |
| .....   | 1,227.8      | 1,277.9      | 1,262.8       | 77.8         | 112.8        | 113.4         | 6.3                    | 8.8          | 9.0           |
| Eugene—Springfield .....                        | 126.1        | 132.1        | 129.4         | 9.8          | 14.5         | 14.4          | 7.8                    | 11.0         | 11.1          |
| Portland <sup>1</sup> .....                     | 594.0        | N.A.         | 625.5         | 31.5         | N.A.         | 42.8          | 5.3                    | N.A.         | 6.8           |
| Salem .....                                     | 113.1        | 122.9        | 121.0         | 6.5          | 9.6          | 9.0           | 5.7                    | 7.8          | 7.5           |
| <b>PENNSYLVANIA<sup>2</sup></b>                 |              |              |               |              |              |               |                        |              |               |
| .....   | 5,386.5      | 5,395.7      | 5,417.3       | 339.6        | 432.8        | 502.2         | 6.3                    | 8.0          | 9.3           |
| Allentown—Bethlehem—Easton <sup>1</sup> .....   | 303.0        | 307.0        | 307.6         | 20.4         | 23.1         | 27.0          | 6.7                    | 7.5          | 8.8           |
| Altoona .....                                   | 59.0         | 61.3         | 61.1          | 4.3          | 5.3          | 6.2           | 7.4                    | 8.6          | 10.2          |
| Erie .....                                      | 127.4        | 129.6        | 129.0         | 7.7          | 11.9         | 12.9          | 6.1                    | 9.2          | 10.0          |
| Harrisburg .....                                | 223.0        | 220.2        | 222.1         | 9.7          | 13.0         | 14.8          | 4.4                    | 5.9          | 6.7           |
| Johnstown .....                                 | 111.3        | 111.6        | 111.0         | 8.7          | 13.3         | 15.2          | 7.8                    | 11.9         | 13.7          |
| Lancaster .....                                 | 178.1        | 178.9        | 179.5         | 7.3          | 10.8         | 11.4          | 4.1                    | 6.0          | 6.4           |
| Northeast Pennsylvania .....                    | 292.0        | 285.8        | 293.7         | 27.9         | 27.4         | 35.7          | 9.6                    | 9.6          | 12.2          |
| Philadelphia <sup>1</sup> .....                 | 2,129.7      | 2,148.1      | 2,150.7       | 137.5        | 153.9        | 170.8         | 6.5                    | 7.2          | 7.9           |
| Pittsburgh .....                                | 1,031.3      | 1,027.8      | 1,025.3       | 52.4         | 78.8         | 88.5          | 5.1                    | 7.7          | 8.6           |
| Reading .....                                   | 152.3        | 155.2        | 154.3         | 8.8          | 12.8         | 15.2          | 5.8                    | 8.3          | 9.8           |
| Williamsport .....                              | 52.5         | 53.3         | 53.6          | 4.3          | 6.3          | 7.1           | 8.3                    | 11.8         | 13.2          |
| York .....                                      | 174.5        | 175.2        | 175.2         | 10.3         | 12.8         | 16.1          | 5.9                    | 7.3          | 9.2           |
| <b>RHODE ISLAND</b>                             |              |              |               |              |              |               |                        |              |               |
| .....   | 456.2        | 461.5        | 457.1         | 36.5         | 33.9         | 35.5          | 8.0                    | 7.3          | 7.8           |
| Providence—Warwick—Pawtucket <sup>1</sup> ..... | 454.1        | 455.0        | 448.7         | 36.4         | 34.5         | 35.9          | 8.0                    | 7.6          | 8.0           |
| <b>SOUTH CAROLINA</b>                           |              |              |               |              |              |               |                        |              |               |
| .....   | 1,333.4      | 1,311.2      | 1,314.0       | 68.4         | 111.5        | 108.6         | 5.1                    | 8.5          | 8.3           |
| Charleston—North Charleston .....               | 155.4        | 156.1        | 157.2         | 8.7          | 12.7         | 11.9          | 5.6                    | 8.1          | 7.6           |
| Columbia .....                                  | 172.2        | 170.2        | 168.5         | 7.2          | 8.9          | 8.2           | 4.2                    | 5.2          | 4.9           |
| Greenville—Spartanburg .....                    | 260.5        | 256.3        | 258.4         | 10.5         | 16.4         | 19.2          | 4.0                    | 6.4          | 7.4           |
| <b>SOUTH DAKOTA</b>                             |              |              |               |              |              |               |                        |              |               |
| .....   | 359.0        | 357.6        | 357.6         | 12.0         | 16.4         | 18.0          | 3.3                    | 4.6          | 5.0           |
| Sioux Falls .....                               | 62.6         | 61.7         | 61.7          | 1.6          | 2.9          | 3.2           | 2.5                    | 4.6          | 5.2           |
| <b>TENNESSEE</b>                                |              |              |               |              |              |               |                        |              |               |
| .....   | 2,016.0      | 2,018.9      | 2,023.5       | 129.1        | 164.5        | 172.3         | 6.4                    | 8.1          | 8.5           |
| Chattanooga <sup>1</sup> .....                  | 194.7        | 201.7        | 197.3         | 12.7         | 19.1         | 17.9          | 6.5                    | 9.5          | 9.1           |
| Knoxville .....                                 | 207.0        | 208.0        | 208.5         | 9.0          | 12.8         | 12.7          | 4.4                    | 6.1          | 6.1           |
| Memphis <sup>1</sup> .....                      | 388.4        | 390.6        | 390.0         | 20.5         | 27.4         | 25.1          | 5.3                    | 7.0          | 6.4           |
| Nashville—Davidson .....                        | 418.9        | 412.7        | 416.0         | 21.5         | 27.1         | 27.3          | 5.1                    | 6.6          | 6.6           |
| <b>TEXAS<sup>2</sup></b>                        |              |              |               |              |              |               |                        |              |               |
| .....   | 6,358.9      | 6,429.4      | 6,506.4       | 300.8        | 385.5        | 361.3         | 4.7                    | 6.0          | 5.6           |
| Amarillo .....                                  | 89.7         | 88.8         | 89.7          | 3.5          | 4.2          | 3.9           | 3.9                    | 4.8          | 4.3           |
| Austin .....                                    | 250.3        | 251.0        | 255.5         | 8.9          | 10.2         | 10.1          | 3.6                    | 4.1          | 4.0           |
| Beaumont—Port Arthur—Orange .....               | 164.8        | 160.8        | 163.1         | 11.1         | 13.1         | 11.7          | 6.7                    | 8.2          | 7.2           |
| Corpus Christi .....                            | 144.6        | 142.6        | 145.2         | 7.8          | 9.9          | 9.5           | 5.4                    | 6.9          | 6.6           |
| Dallas—Fort Worth .....                         | 1,501.2      | 1,541.7      | 1,561.1       | 59.5         | 81.2         | 74.6          | 4.0                    | 5.3          | 4.8           |
| El Paso .....                                   | 171.9        | 174.2        | 176.0         | 14.9         | 17.5         | 16.3          | 8.7                    | 10.1         | 9.3           |
| Galveston—Texas City .....                      | 82.6         | 85.6         | 87.4          | 4.8          | 6.1          | 6.1           | 5.8                    | 7.1          | 6.9           |
| Houston .....                                   | 1,450.3      | 1,466.4      | 1,487.6       | 55.5         | 70.8         | 67.9          | 3.8                    | 4.8          | 4.6           |
| Lubbock .....                                   | 101.6        | 100.7        | 102.9         | 4.0          | 5.1          | 4.7           | 4.0                    | 5.0          | 4.6           |
| San Antonio .....                               | 417.8        | 426.9        | 426.4         | 27.5         | 35.1         | 29.8          | 6.6                    | 8.2          | 7.0           |
| Waco .....                                      | 79.5         | 79.8         | 81.0          | 3.5          | 5.0          | 4.9           | 4.4                    | 6.3          | 6.1           |
| Wichita Falls .....                             | 60.2         | 60.5         | 61.1          | 2.3          | 2.9          | 2.8           | 3.8                    | 4.8          | 4.7           |

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

| State and area                                       | Labor force |           |            | Unemployment |           |            |                        |           |            |
|--|-------------|-----------|------------|--------------|-----------|------------|------------------------|-----------|------------|
|  |             |           |            | Number       |           |            | Percent of labor force |           |            |
|  | JUL. 1979   | JUN. 1980 | JUL. 1980P | JUL. 1979    | JUN. 1980 | JUL. 1980P | JUL. 1979              | JUN. 1980 | JUL. 1980P |
| UTAH .....   | 593.2       | 611.0     | 611.9      | 25.1         | 38.4      | 37.1       | 4.2                    | 6.3       | 6.1        |
| Salt Lake City—Ogden .....                           | 391.0       | 399.3     | 399.7      | 16.4         | 23.7      | 22.7       | 4.2                    | 5.9       | 5.7        |
| VERMONT .....  | 243.2       | 242.9     | 245.6      | 11.8         | 15.3      | 16.6       | 4.8                    | 6.3       | 6.8        |
| VIRGINIA .....                                       | 2,523.0     | 2,557.7   | 2,549.9    | 119.4        | 146.7     | 146.7      | 4.7                    | 5.7       | 5.8        |
| Lynchburg .....                                      | 76.9        | 77.9      | 77.0       | 3.3          | 4.3       | 5.3        | 4.3                    | 5.5       | 6.9        |
| Newport News—Hampton .....                           | 164.9       | 172.0     | 172.5      | 9.5          | 10.2      | 9.4        | 5.8                    | 5.9       | 5.5        |
| Norfolk—Virginia Beach—Portsmouth <sup>1</sup> ..... | 328.6       | 334.6     | 331.9      | 18.3         | 23.8      | 19.9       | 5.6                    | 7.1       | 6.0        |
| Petersburg—Colonial Heights—Hopewell .....           | 59.5        | 63.4      | 63.6       | 3.3          | 4.3       | 4.2        | 5.5                    | 6.8       | 6.6        |
| Richmond .....                                       | 326.6       | 335.6     | 330.9      | 11.0         | 14.5      | 12.9       | 3.4                    | 4.3       | 3.9        |
| Roanoke .....  | 110.7       | 113.0     | 114.0      | 4.5          | 5.3       | 6.7        | 4.1                    | 4.7       | 5.8        |
| WASHINGTON .....                                     | 1,929.3     | 1,956.1   | 1,941.1    | 128.0        | 165.9     | 160.7      | 6.6                    | 8.5       | 8.3        |
| Seattle—Everett .....                                | 837.8       | 856.0     | 852.1      | 45.5         | 60.2      | 57.5       | 5.4                    | 7.0       | 6.8        |
| Spokane .....  | 150.7       | 152.3     | 149.7      | 9.5          | 13.1      | 12.1       | 6.3                    | 8.6       | 8.1        |
| Tacoma .....   | 179.8       | 173.1     | 173.3      | 13.1         | 17.1      | 15.9       | 7.3                    | 9.9       | 9.2        |
| WEST VIRGINIA .....                                  | 769.9       | 765.3     | 776.9      | 56.0         | 71.5      | 76.0       | 7.3                    | 9.3       | 9.8        |
| Charleston .....                                     | 129.4       | 130.5     | 132.0      | 5.8          | 9.6       | 9.4        | 4.5                    | 7.4       | 7.1        |
| Huntington—Ashland <sup>1</sup> .....                | 128.2       | N.A.      | N.A.       | 7.9          | N.A.      | N.A.       | 6.1                    | N.A.      | N.A.       |
| Parkersburg—Marietta <sup>1</sup> .....              | 72.3        | N.A.      | N.A.       | 4.4          | N.A.      | N.A.       | 6.1                    | N.A.      | N.A.       |
| Wheeling <sup>1</sup> .....                          | 82.3        | N.A.      | N.A.       | 4.8          | N.A.      | N.A.       | 5.8                    | N.A.      | N.A.       |
| WISCONSIN .....                                      | 2,426.3     | 2,457.1   | 2,430.3    | 107.2        | 181.4     | 174.8      | 4.4                    | 7.4       | 7.2        |
| Appleton—Oshkosh .....                               | 154.7       | 157.1     | 155.1      | 6.2          | 11.3      | 10.9       | 4.0                    | 7.2       | 7.0        |
| Eau Claire .....                                     | 57.8        | 59.5      | 58.4       | 2.9          | 4.4       | 3.7        | 5.0                    | 7.4       | 6.3        |
| Green Bay .....                                      | 89.8        | 92.4      | 91.6       | 4.2          | 6.3       | 5.6        | 4.7                    | 6.8       | 6.1        |
| Kenosha .....  | 63.1        | 64.9      | 66.1       | 3.0          | 5.1       | 7.4        | 4.8                    | 7.8       | 11.2       |
| La Crosse .....                                      | 45.7        | 47.3      | 47.2       | 2.0          | 2.6       | 2.4        | 4.3                    | 5.6       | 5.1        |
| Madison .....  | 181.0       | 190.5     | 189.5      | 6.3          | 9.3       | 8.4        | 3.5                    | 4.9       | 4.4        |
| Milwaukee .....                                      | 739.0       | 749.7     | 736.3      | 33.3         | 49.6      | 48.7       | 4.5                    | 6.6       | 6.6        |
| Racine .....   | 90.2        | 90.8      | 90.6       | 4.5          | 7.7       | 8.0        | 5.0                    | 8.4       | 8.9        |
| WYOMING .....  | 230.2       | 241.2     | 239.8      | 5.2          | 9.5       | 8.7        | 2.3                    | 3.9       | 3.6        |

<sup>1</sup> Includes interstate portion of area located in adjacent State.

<sup>2</sup> Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

visional and will be revised when new benchmark information becomes available. Data refer to place of residence.  
p=preliminary.  
N.A.=not available.

NOTE: Estimates for 1979 have been benchmarked to 1979 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1980 are pro-

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service. When ordering, please specify "CETA Area Employment and Unemployment," "State, County, and Selected City Employment and Unemployment," and "Unemployment Rates for State and Local Governments." A complete set of price schedules and publications is available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

# Explanatory Notes

## Introduction

The statistics in this periodical are estimated from two major sources: (1) Household interviews, and (2) reports from employers.

*Data based on household interviews* are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 65,000 households, representing 629 areas in 1,133 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

*Data based on establishment records* are obtained each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing about 35 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th day of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas employer characteristics such as detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

#### Employment

*Coverage.* The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural in-

dustries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

*Multiple jobholding.* The household approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

*Unpaid absences from jobs.* The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

#### Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, production or nonsupervisory employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

### COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers

who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services and religious organizations, self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*. Reprints of this article may be obtained upon request.

*Agricultural employment estimates of the Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

#### COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

*Statistics on manufactures and business, Bureau of the Census.* BLS establishment statistics on employment differ from employment

counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

*County Business Patterns.* Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics. Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

## Household data (A tables)

#### COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. This report is available from BLS upon request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are

included as part of the categories "total noninstitutional population" and "total labor force," are, however, obtained from the Department of Defense.

Each month, 65,000 occupied units are eligible for interview. About 2,800 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 65,000 occupied units, there are 12,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.



## CONCEPTS

*Employed persons* comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

*The civilian labor force* comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

*The unemployment rate* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, occupation, industry, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian

labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

*Participation rates* represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

*Employment-population ratios* represent the proportion of the noninstitutional population that is employed.

*Not in labor force* includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he/she was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in the zero-hour worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full-time." Correspondingly, persons who worked between 1 and 34 hours are designated as working "part time." Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during the peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for noneconomic reasons and usually work full time.

*Full- and part-time labor force.* The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

*Labor force time lost* is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

*Race.* White and "black and other" are terms used to describe the race of workers. The "black and other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Alaskan Natives, and Asian and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

*Hispanic origin* refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Hispanic origin or descent. According to the 1970 Census of population, approximately 96 percent of their population is white.

*Major activity: going to school* and *major activity: other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16-21 year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

*Nonveterans* are males who never served in the Armed Forces.

*Poverty areas* classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or non-poor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of

SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

## HISTORIC COMPARABILITY

### Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. A detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

### Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20-24 year-old males—particularly those of the black and other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indica-

tion of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than determined by the interviewer as before. The purpose of this change is to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. Although any impact of this change is still unknown, it is possible that it has caused a break in the time series for some racial statistics.

Beginning in 1979, the first stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey beginning in January 1979" in the February 1979 issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

### Changes in the occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. This review, the most comprehensive since the 1940 census, was to reduce the size of large groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop of 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: Operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

### Changes in sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for eight months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. A recent change was introduced in January 1980, when another supplemental sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.

The following table provides a description of some aspects of the CPS sample design in use during the referenced data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

### ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are not subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and

| Time period                  | Number of sample areas <sup>1</sup> | Households eligible |                 | Households visited not eligible <sup>2</sup> |
|------------------------------|-------------------------------------|---------------------|-----------------|--|
|                              |                                     | Interviewed         | Not interviewed |  |
| Aug. 1947 to Jan. 1954 ..... | 68                                  | 21,000              | 500-1,000       | 3,000-3,500                                  |
| Feb. 1954 to Apr. 1956 ..... | 230                                 | 21,000              | 500-1,000       | 3,000-3,500                                  |
| May 1956 to Dec. 1959 .....  | 330                                 | 33,500              | 1,500           | 6,000  |
| Jan. 1960 to Feb. 1963 ..... | 333 <sup>3</sup>                    | 33,500              | 1,500           | 6,000  |
| Mar. 1963 to Dec. 1966 ..... | 357                                 | 33,500              | 1,500           | 6,000  |
| Jan. 1967 to July 1971 ..... | 449                                 | 48,000              | 2,000           | 8,500  |
| Aug. 1971 to July 1972 ..... | 449                                 | 45,000              | 2,000           | 8,000  |
| Aug. 1972 to Dec. 1977 ..... | 461                                 | 45,000              | 2,000           | 8,000  |
| Jan. 1978 to Dec. 1979 ..... | 614                                 | 53,500              | 2,500           | 10,000                                       |
| Jan. 1980 to present .....   | 629                                 | 62,200              | 2,800           | 12,000                                       |

<sup>1</sup> Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

<sup>2</sup> These are housing units which were visited, but were found

to be vacant or otherwise not eligible for interview.

<sup>3</sup> Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South and West), and secondly, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportion in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and

over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sex-race categories, will be virtually equal to the independent population estimates.

The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account

of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

### Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

### Reliability of the estimates

There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

*Nonsampling errors.* The full extent of nonsampling error is unknown, but special studies have been conducted to qualify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*, Technical Paper No. 19, Bureau of the Census. U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates vary by rotation group. A description of these effects appears in the article "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls us-

ed have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of errors, and describes attempts to measure them in the CPS.

*Sampling error.* The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enables one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this report reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Secondly, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard of an estimate rather than the precise standard error.

Tables A and B show approximate standard errors for major employment status characteristics for both monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables C, E, G and H to compute approximate standard errors, as described below, for levels, labor force participation rates,

and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should be multiplied by 1.22.

**Table A. Standard errors of major employment status categories**

(In thousands)

| Employment status, sex, age, and race      | Standard error of— |   |
|--|--------------------|---|
|  | Monthly level      | Month-to-month change (consecutive months only) |
| <b>Total, 16 years and over:</b>           |                    |   |
| Civilian labor force . . . . .             | 223                | 171   |
| Employed . . . . .                         | 236                | 180   |
| Unemployed . . . . .                       | 107                | 111   |
| <b>Males, 20 years and over:</b>           |                    |   |
| Civilian labor force . . . . .             | 124                | 107   |
| Employed . . . . .                         | 135                | 118   |
| Unemployed . . . . .                       | 68                 | 71  |
| <b>Females, 20 years and over:</b>         |                    |   |
| Civilian labor force . . . . .             | 168                | 129   |
| Employed . . . . .                         | 167                | 131   |
| Unemployed . . . . .                       | 64                 | 67  |
| <b>Both sexes, 16-19 years:</b>            |                    |   |
| Civilian labor force . . . . .             | 80                 | 85  |
| Employed . . . . .                         | 84                 | 94  |
| Unemployed . . . . .                       | 56                 | 69  |
| <b>Black and other, 16 years and over:</b> |                    |   |
| Civilian labor force . . . . .             | 78                 | 60  |
| Employed . . . . .                         | 85                 | 65  |
| Unemployed . . . . .                       | 54                 | 57  |
| <b>Males, 20 years and over:</b>           |                    |   |
| Civilian labor force . . . . .             | 44                 | 38  |
| Employed . . . . .                         | 49                 | 43  |
| Unemployed . . . . .                       | 33                 | 35  |
| <b>Females, 20 years and over:</b>         |                    |   |
| Civilian labor force . . . . .             | 62                 | 48  |
| Employed . . . . .                         | 62                 | 49  |
| Unemployed . . . . .                       | 34                 | 36  |
| <b>Both sexes, 16-19 years:</b>            |                    |   |
| Civilian labor force . . . . .             | 33                 | 37  |
| Employed . . . . .                         | 30                 | 35  |
| Unemployed . . . . .                       | 29                 | 32  |

**Standard errors for estimated totals.** Tables C and D provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

**Illustration.** Assume that the tables showed that the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate

of 12,000,000 is about 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately 12,000,000 is about 111,000.

**Standard errors for rates and percentages.** The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000 or the annual average base is less than 35,000.

Tables E and F show generalized standard errors for monthly level and month-to-month change for unemployment rates.

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through the use of the standard errors in table G and the factors in table H. First obtain the standard error from table G for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table G by the appropriate factor from table H. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

**Illustration.** For example, assume that the tables show that 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table G (0.09 percentage point). The appropriate factor from table H for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  percentage point.

**Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages.** The approximate standard errors of levels, rates and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages may be obtained by using table I in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate or percentage, or an estimate of a change in level, rate or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate or percentage, find the standard error of this estimate. For an estimate of change in level, rate or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table I to obtain the approximate standard error for the average or change.

**Illustration.** For an example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that the tables show that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from table E (0.11 percentage point). The appropriate factor then from table I is 1.40. The approximate standard error on the change of 0.8 percentage point is then given by  $0.11 \times 1.40 = 0.15$  percentage point.

**Table B. Standard errors of unemployment rates for major characteristics**

| Selected categories                                | Standard error of— |                          | Selected categories                                       | Standard error of— |                          |
|--|--------------------|--------------------------|---|--------------------|--------------------------|
|  | Monthly level      | Consecutive month change |   | Monthly level      | Consecutive month change |
| Total (all civilian workers) . . . . .             | .11                | .11                      | <b>OCCUPATION—Continued</b>                               |                    |                          |
| Males, 20 years and over . . . . .                 | .13                | .13                      | Blue collar workers—Continued                             |                    |                          |
| Females, 20 years and over . . . . .               | .17                | .18                      | Operatives, except transport . . . . .                    | .35                | .40                      |
| Both sexes, 16-19 years . . . . .                  | .55                | .65                      | Transport equipment operatives . . . . .                  | .49                | .55                      |
| White workers . . . . .                            | .11                | .11                      | Nonfarm laborers . . . . .                                | .62                | .71                      |
| Black (and other) workers . . . . .                | .45                | .47                      | Service workers . . . . .                                 | .31                | .34                      |
| Married men, spouse present . . . . .              | .12                | .13                      | Farm workers . . . . .                                    | .55                | .62                      |
| Married women, spouse present . . . . .            | .21                | .22                      |   |                    |                          |
| Full-time workers . . . . .                        | .11                | .12                      | <b>INDUSTRY</b>   |                    |                          |
| Part-time workers . . . . .                        | .32                | .40                      | Nonagricultural private wage and salary workers . . . . . | .12                | .13                      |
| Unemployed 15 weeks and over . . . . .             | .06                | .07                      | Construction . . . . .                                    | .58                | .66                      |
| <b>OCCUPATION</b>                                  |                    |                          | Manufacturing . . . . .                                   | .22                | .24                      |
| White-collar workers . . . . .                     | .12                | .13                      | Durable goods . . . . .                                   | .27                | .30                      |
| Professional and technical . . . . .               | .18                | .20                      | Nondurable goods . . . . .                                | .36                | .40                      |
| Managers and administrators, except farm . . . . . | .19                | .21                      | Transportation and public utilities . . . . .             | .31                | .35                      |
| Sales workers . . . . .                            | .37                | .41                      | Wholesale and retail trade . . . . .                      | .25                | .28                      |
| Clerical workers . . . . .                         | .23                | .26                      | Finance and service industries . . . . .                  | .17                | .19                      |
| Blue-collar workers . . . . .                      | .20                | .22                      | Government workers . . . . .                              | .21                | .23                      |
| Craft and kindred workers . . . . .                | .27                | .30                      | Agricultural wage and salary workers . . . . .            | 1.09               | 1.24                     |

**Table C. Standard errors for estimates of monthly level (In thousands)**

| Estimated monthly level | Characteristics <sup>1</sup> |   |                 |                             |                              |  |   |                |                 |
|-------------------------|------------------------------|---|-----------------|-----------------------------|------------------------------|--|---|----------------|-----------------|
|                         | Agricultural employment      | Labor force data other than unemployment and agricultural employment data |                 |                             |                              |  |   | Unemployment   |                 |
|                         |                              | Total or white  | Black and other | Total or white, 16-19 years | Black and other, 16-19 years | Total or white males only, or females only | Black and other males only, or females only | Total or white | Black and other |
| 50 . . . . .            | 13                           | 10  | 10              | 10                          | 10                           | 9  | 9   | 10             | 11              |
| 100 . . . . .           | 18                           | 14  | 14              | 14                          | 14                           | 13   | 13  | 14             | 15              |
| 500 . . . . .           | 41                           | 32  | 32              | 32                          | 28                           | 30   | 29  | 31             | 33              |
| 1,000 . . . . .         | 57                           | 45  | 44              | 44                          | 33                           | 42   | 40  | 44             | 46              |
| 2,000 . . . . .         | 81                           | 64  | 60              | 60                          | 13                           | 59   | 52  | 62             | 63              |
| 4,000 . . . . .         | 113                          | 90  | 79              | 77                          | —                            | 82   | 60  | 87             | 83              |
| 6,000 . . . . .         | 137                          | 109   | 88              | 84                          | —                            | 99   | 53  | 106            | 93              |
| 8,000 . . . . .         | —                            | 125   | 90              | 84                          | —                            | 113  | 16  | 122            | —               |
| 10,000 . . . . .        | —                            | 139   | 87              | 76                          | —                            | 124  | —   | 135            | —               |
| 15,000 . . . . .        | —                            | 166   | 36              | —                           | —                            | 146  | —   | 163            | —               |
| 20,000 . . . . .        | —                            | 188   | —               | —                           | —                            | 161  | —   | 182            | —               |
| 30,000 . . . . .        | —                            | 219   | —               | —                           | —                            | 177  | —   | —              | —               |
| 40,000 . . . . .        | —                            | 249   | —               | —                           | —                            | 178  | —   | —              | —               |
| 50,000 . . . . .        | —                            | 253   | —               | —                           | —                            | 164  | —   | —              | —               |
| 60,000 . . . . .        | —                            | 260   | —               | —                           | —                            | 131  | —   | —              | —               |
| 70,000 . . . . .        | —                            | 260   | —               | —                           | —                            | 49   | —   | —              | —               |
| 80,000 . . . . .        | —                            | 254   | —               | —                           | —                            | —  | —   | —              | —               |
| 100,000 . . . . .       | —                            | 221   | —               | —                           | —                            | —  | —   | —              | —               |
| 120,000 . . . . .       | —                            | 143   | —               | —                           | —                            | —  | —   | —              | —               |

<sup>1</sup> When determining the standard error of an estimate for a group which is a subset of the age, sex, race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years use the column for total employed.

Table D. Standard errors for estimates of month-to-month change

(In thousands)

| Estimated monthly level | Type of characteristic <sup>1</sup>                                      |                 |                              |                              |                |   |                 |                              |
|-------------------------|--|-----------------|------------------------------|------------------------------|----------------|---|-----------------|------------------------------|
|                         | Labor force data other than unemployment and agriculture employment data |                 |                              |                              |                |   |                 |                              |
|                         | Total or white   | Black and other | Total, or white, 16-19 years | Black and other, 16-19 years | Unemployment   |   |                 |                              |
|                         |  |                 |                              |                              | Total or white | Both sexes 16-19 years, or part-time labor force <sup>2</sup> | Black and other | Black and other, 16-19 years |
| 50 .....                | 8  | 8               | 12                           | 12                           | 11             | 12  | 12              | 12                           |
| 100 .....               | 11   | 11              | 17                           | 17                           | 16             | 17  | 16              | 17                           |
| 500 .....               | 24   | 23              | 37                           | 33                           | 35             | 39  | 36              | 34                           |
| 1,000 .....             | 34   | 33              | 52                           | 37                           | 48             | 55  | 49              | 39                           |
| 2,000 .....             | 47   | 45              | 70                           | —                            | 68             | 77  | 65              | —                            |
| 4,000 .....             | 66   | 58              | 89                           | —                            | 93             | 107   | 80              | —                            |
| 6,000 .....             | 81   | 65              | 96                           | —                            | 110            | 129   | —               | —                            |
| 8,000 .....             | 93   | 68              | 93                           | —                            | 123            | 147   | —               | —                            |
| 10,000 .....            | 103  | 65              | 78                           | —                            | 132            | 162   | —               | —                            |
| 15,000 .....            | 123  | 33              | —                            | —                            | 145            | 191   | —               | —                            |
| 20,000 .....            | 130  | —               | —                            | —                            | 146            | 211   | —               | —                            |
| 30,000 .....            | 163  | —               | —                            | —                            | —              | —   | —               | —                            |
| 40,000 .....            | 179  | —               | —                            | —                            | —              | —   | —               | —                            |
| 50,000 .....            | 189  | —               | —                            | —                            | —              | —   | —               | —                            |
| 60,000 .....            | 194  | —               | —                            | —                            | —              | —   | —               | —                            |
| 70,000 .....            | 195  | —               | —                            | —                            | —              | —   | —               | —                            |
| 80,000 .....            | 191  | —               | —                            | —                            | —              | —   | —               | —                            |
| 100,000 .....           | 179  | —               | —                            | —                            | —              | —   | —               | —                            |
| 120,000 .....           | 119  | —               | —                            | —                            | —              | —   | —               | —                            |

<sup>1</sup> See footnote 1, table C.

<sup>2</sup> Part-time labor force for unemployment also includes persons

reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table E. Standard errors of unemployment rates

| Monthly base of unemployment rate (In thousands) | Monthly unemployment rate |      |      |      |      |      |      |      |      |       |
|--|---------------------------|------|------|------|------|------|------|------|------|-------|
|  | 1                         | 2    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 50    |
| 50 .....   | 2.05                      | 2.88 | 4.49 | 6.18 | 7.36 | 8.25 | 8.93 | 9.46 | 9.85 | 10.36 |
| 100 .....  | 1.45                      | 2.04 | 3.18 | 4.37 | 5.20 | 5.83 | 6.32 | 6.69 | 6.97 | 7.33  |
| 500 .....  | .65                       | .91  | 1.42 | 1.96 | 2.33 | 2.61 | 2.82 | 2.99 | 3.12 | 3.28  |
| 1,000 .....                                      | .46                       | .65  | 1.01 | 1.38 | 1.65 | 1.84 | 2.00 | 2.12 | 2.21 | 2.32  |
| 2,000 .....                                      | .32                       | .46  | .71  | .98  | 1.17 | 1.31 | 1.42 | 1.50 | 1.56 | 1.64  |
| 4,000 .....                                      | .23                       | .32  | .50  | .69  | .83  | .92  | 1.00 | 1.06 | 1.10 | 1.16  |
| 6,000 .....                                      | .19                       | .26  | .41  | .57  | .67  | .75  | .82  | .86  | .90  | .94   |
| 10,000 .....                                     | .15                       | .21  | .32  | .44  | .52  | .59  | .63  | .67  | .70  | .73   |
| 20,000 .....                                     | .11                       | .15  | .23  | .31  | .37  | .41  | .45  | .47  | .49  | .51   |
| 60,000 .....                                     | .06                       | .08  | .12  | .17  | .20  | .23  | .25  | .26  | .27  | .28   |
| 100,000 .....                                    | .04                       | .06  | .10  | .13  | .16  | .18  | .19  | .20  | .21  | .22   |



**Table F. Standard errors of month-to-month change in unemployment rates**

| Monthly base of unemployment rate (In thousands) | Monthly unemployment rate |      |      |      |      |      |       |       |       |       |
|--|---------------------------|------|------|------|------|------|-------|-------|-------|-------|
|  | 1                         | 2    | 5    | 10   | 15   | 20   | 25    | 30    | 35    | 50    |
| 50 .....   | 2.32                      | 3.28 | 5.12 | 7.10 | 8.52 | 9.64 | 10.05 | 11.39 | 11.97 | 12.55 |
| 100 .....  | 1.64                      | 2.32 | 3.62 | 5.02 | 6.02 | 6.81 | 7.11  | 8.05  | 8.39  | 8.87  |
| 500 .....  | .74                       | 1.04 | 1.62 | 2.25 | 2.69 | 3.04 | 3.17  | 3.58  | 3.73  | 3.93  |
| 1,000 .....                                      | .52                       | .73  | 1.15 | 1.59 | 1.90 | 2.15 | 2.24  | 2.52  | 2.62  | 2.74  |
| 2,000 .....                                      | .37                       | .52  | .81  | 1.12 | 1.34 | 1.51 | 1.57  | 1.76  | 1.83  | 1.89  |
| 4,000 .....                                      | .26                       | .37  | .57  | .79  | .94  | 1.06 | 1.10  | 1.22  | 1.26  | 1.26  |
| 6,000 .....                                      | .21                       | .30  | .47  | .64  | .76  | .86  | .89   | .97   | 1.00  | -     |
| 10,000 .....                                     | .16                       | .13  | .36  | .49  | .59  | .65  | .67   | .72   | -     | -     |
| 20,000 .....                                     | .11                       | .15  | .24  | .33  | .39  | .44  | .48   | .51   | -     | -     |
| 60,000 .....                                     | .06                       | .09  | .13  | .18  | .21  | .22  | .23   | -     | -     | -     |
| 100,000 .....                                    | .05                       | .07  | .10  | .13  | .14  | .14  | -     | -     | -     | -     |

**Table G. Standard errors of estimated percentages and month-to-month change in percentages for labor force data**

| Monthly base of percentages (In thousands) | Percentage of monthly level |         |         |          |          |          |          |          |          |       |
|--|-----------------------------|---------|---------|----------|----------|----------|----------|----------|----------|-------|
|  | 1 or 99                     | 2 or 98 | 5 or 95 | 10 or 90 | 15 or 85 | 20 or 80 | 25 or 75 | 30 or 70 | 35 or 65 | 50    |
| 50 .....                                   | 2.03                        | 2.85    | 4.44    | 6.12     | 7.28     | 8.15     | 8.83     | 9.34     | 9.72     | 10.19 |
| 100 .....                                  | 1.43                        | 2.02    | 3.14    | 4.32     | 5.15     | 5.77     | 6.24     | 6.61     | 6.88     | 7.21  |
| 500 .....                                  | .64                         | .90     | 1.41    | 1.93     | 2.30     | 2.58     | 2.79     | 2.95     | 3.07     | 3.22  |
| 1,000 .....                                | .45                         | .64     | .99     | 1.37     | 1.63     | 1.82     | 1.97     | 2.09     | 2.17     | 2.28  |
| 2,000 .....                                | .32                         | .45     | .70     | .97      | 1.15     | 1.29     | 1.40     | 1.48     | 1.54     | 1.61  |
| 4,000 .....                                | .23                         | .32     | .50     | .68      | .81      | .91      | .99      | 1.04     | 1.09     | 1.14  |
| 6,000 .....                                | .19                         | .26     | .41     | .56      | .66      | .74      | .81      | .85      | .89      | .93   |
| 10,000 .....                               | .14                         | .20     | .31     | .43      | .51      | .58      | .62      | .66      | .69      | .73   |
| 20,000 .....                               | .10                         | .14     | .22     | .31      | .36      | .41      | .44      | .47      | .49      | .51   |
| 40,000 .....                               | .07                         | .10     | .16     | .22      | .26      | .29      | .31      | .33      | .34      | .36   |
| 60,000 .....                               | .06                         | .08     | .13     | .18      | .21      | .24      | .25      | .27      | .28      | .29   |
| 80,000 .....                               | .05                         | .07     | .11     | .15      | .18      | .20      | .22      | .23      | .24      | .25   |
| 100,000 .....                              | .05                         | .06     | .10     | .14      | .16      | .18      | .20      | .21      | .22      | .23   |
| 160,000 .....                              | .04                         | .05     | .08     | .11      | .13      | .14      | .16      | .17      | .17      | .18   |

NOTE: The standard errors in this table must be multiplied by a specific type of characteristic. the factors in table H to obtain the approximate standard error for

**Table H. Factors to be used with Table G to compute approximate standard errors for percentages and month-to-month changes in percentages**

| Type of characteristic  | Factor        |                       | Type of characteristic   | Factor        |                       |
|---|---------------|-----------------------|--|---------------|-----------------------|
|   | Monthly level | Month-to-month change |  | Monthly level | Month-to-month change |
| Agricultural employment:  |               |                       | Unemployment:  |               |                       |
| Total or full-time labor force ...  | 1.26          | 1.05                  | Part-time labor force, duration of unemployment, left last job, reentering labor force ..... | 1.01          | 1.21                  |
| Part-time labor force .....   | 1.26          | 1.50                  | All other unemployment characteristics:  |               |                       |
| Labor force data other than agricultural employment data and unemployment data: |               |                       | Total or white:  |               |                       |
| Total .....   | 1.00          | .74                   | Total .....  | .97           | 1.08                  |
| Males only .....  | .93           | .84                   | Both sexes, 16-19 years .....  | .97           | 1.21                  |
| Females only .....  | .86           | .75                   | Black and other:   |               |                       |
| Both sexes, 16-19 years .....   | 1.00          | 1.18                  | Total .....  | 1.04          | 1.13                  |
| Part-time labor force .....   | 1.00          | 1.18                  | Both sexes, 16-19 years .....  | 1.04          | 1.24                  |

**Table I. Factors to be used with Tables C, E, G, H to compute the approximate standard errors of level, rates and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages**

| Type of characteristic   | Factors                                 |                    |                              |                 |                           |
|--|---|--------------------|------------------------------|-----------------|---------------------------|
|  | Year-to-year change of monthly estimate | Quarterly averages | Change in quarterly averages | Yearly averages | Change in yearly averages |
| <b>Agricultural employment:</b>  |   |                    |                              |                 |                           |
| Total or male .....  | 1.30                                    | .89                | .80                          | .72             | .70                       |
| Female or teenagers (16-19 years) .....  | 1.30                                    | .83                | .80                          | .58             | .70                       |
| Part time .....  | 1.40                                    | .74                | .80                          | .46             | .70                       |
| <b>Labor force data other than agricultural employment data and unemployment data:</b> |   |                    |                              |                 |                           |
| Total or white .....   | 1.30                                    | .88                | .88                          | .67             | .70                       |
| Black and other or teenagers (16-19 years) .....                                       | 1.30                                    | .82                | .88                          | .57             | .70                       |
| Part time .....  | 1.40                                    | .74                | .88                          | .46             | .60                       |
| <b>Unemployment:</b>   |   |                    |                              |                 |                           |
| Total .....  | 1.40                                    | .76                | .88                          | .50             | .65                       |
| Part time .....  | 1.40                                    | .69                | .88                          | .39             | .54                       |

# Establishment data (B, C, and D tables)

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in nonagricultural establishments, by industry and geographic location.

### Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data and/or labor turnover data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

### Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure increases comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and total employment during the pay period which includes the 12th of the month.

## CONCEPTS

### Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sectors.

### Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of

the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence and National Security Agencies are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, or on strike for the entire period or who were hired but have not yet reported during the period.

### Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries. An exception to the definitions below are the statistics on hours and earnings of Federal Government employees, reported in table C-3, which are for all Federal employees, both supervisory and nonsupervisory, for the entire calendar month. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

*Production and related workers* include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

*Construction workers* include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

*Nonsupervisory employees* include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

*Payroll* covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in the pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

*Hours* cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or non-supervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours* cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

*Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production worker, construction worker, or nonsupervisory employee definitions.

Gross average weekly earnings estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

*Average weekly hours.* The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

*Average overtime hours.* The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in hours or employment for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

*Railroads hours and earnings.* The figures for class I railroads (excluding switching and terminal companies) are based on monthly data

summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

*Spendable average weekly earnings.* Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, the worker's marital status and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a single worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflect the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact, have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul Ryscavage, "Two Divergent Measures of Purchasing Power," in the *Monthly Labor Review* for August 1979. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings, or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

*Average hourly earnings excluding overtime.* Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods are based on an assumption that earnings due to overtime are paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

*Indexes of aggregate weekly payrolls and hours.* The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1967. For basic industries, the hours aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.

*Indexes of diffusion of changes in number of employees on nonagricultural payrolls.* These indexes measure the percent of industries which posted increases in employment over the specified time

span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

### Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. The inclusion of transfers to or from another establishment of the company as separations and accessions began January 1959.

*Accessions* are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

*New hires* are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

*Recalls* are permanent or temporary additions to the employment roll of persons specifically recalled to a job in the same establishment of the company following a period of layoff lasting more than 7 consecutive days. (The collection of recalls, as a separate item, began January 1976.)

*Other accessions* are all additions to the employment roll which are not classified as new hires or recalls. These include transfers from other establishments of the company and former employees returning from military leave or other absences without pay who have been counted as separations. Data on other accessions are not published separately but are included in total accessions.

*Separations* are terminations of employment during the calendar month and are classified according to cause—quits, layoffs, and other separations—defined as follows:

*Quits* are terminations of employment initiated by employees, failure to report after being hired (if counted as new hires previously), and unauthorized absences, if, on the last day of the month, the person has been absent more than 7 consecutive calendar days.

*Layoffs* are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

*Other separations*, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfer to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

### Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not strictly comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

## ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

### The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table J.

### Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production- or nonsupervisory worker-data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods in table J, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry. The labor turnover estimates are stratified by industry only.

### Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1979 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1979 benchmark adjustment is shown in table K.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

## THE SAMPLE

### Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establish-

**Table J. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover**

| Item   | Basic estimating cell (industry, region, size, or region/size cell)  | Aggregate industry levels (divisions, groups and, where stratified, individual cells)   |
|--|--|---|
| <b>Monthly data</b>  |  |   |
| All employees .....  | All-employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. <sup>1</sup>                       | Sum of all-employee estimates for component cells.  |
| Production or nonsupervisory workers, women employees .....                    | All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup> | Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.                    |
| Gross average weekly hours .....   | Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>   | Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.          |
| Average weekly overtime hours .....  | Production-worker overtime hours divided by number of production workers. <sup>2</sup>   | Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.                    |
| Gross average hourly earnings .....  | Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. <sup>2</sup>   | Average, weighted by aggregate hours, of the average hourly earnings for component cells.                                       |
| Gross average weekly earnings .....  | Product of gross average weekly hours and average hourly earnings.   | Product of gross average weekly hours and average hourly earnings.  |
| Labor turnover rates .....   | The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.  | Average, weighted by employment, of the rates for component cells.  |
| <b>Annual average data</b>   |  |   |
| All employees, women employees, and production or nonsupervisory workers ..... | Sum of monthly estimates divided by 12.  | Sum of monthly estimates divided by 12.   |
| Gross average weekly hours .....   | Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.  | Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers. |
| Average weekly overtime hours .....  | Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.   | Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.          |

See footnotes at end of table.

**Table J. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover—Continued**

| Item                                    | Basic estimating cell (industry, region, size, or region/size cell)  | Aggregate industry levels (divisions, groups and, where stratified, individual cells)          |
|---|--|--|
| Annual average data—Continued           |  |  |
| Gross average hourly earnings . . . . . | Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours. | Annual total of aggregate payrolls divided by annual aggregate hours.                          |
| Gross average weekly earnings . . . . . | Product of gross average weekly hours and average hourly earnings.   | Product of gross average weekly hours and average hourly earnings.                             |
| Labor turnover rates . . . . .          | Annual average aggregate (of each labor turnover action) divided by annual average employment.   | Annual average aggregate (of each labor turnover action) divided by annual average employment. |

<sup>1</sup> The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to com-

pensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample, and at the same time, tapers or wedges the estimate toward the level of the latest sample average.

ment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides

for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after the reference period and, at a somewhat later date, statistics in considerably greater industrial detail.

**Coverage**

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table L shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown. Table M shows the approximate coverage, in terms of employment, of the labor turnover sample.

**Table K. Comparison of nonagricultural employment benchmarks and estimates for March 1979**

| Industry division                             | Benchmark March 1979 | Estimate March 1979 | Percent difference |
|---|----------------------|---------------------|--------------------|
| Total . . . . .                               | 88,654               | 88,207              | 0.5                |
| Mining . . . . .                              | 928                  | 926                 | .2                 |
| Construction . . . . .                        | 4,093                | 4,226               | -3.2               |
| Manufacturing . . . . .                       | 20,972               | 20,887              | .4                 |
| Transportation and public utilities . . . . . | 5,045                | 5,060               | -.3                |
| Wholesale and retail trade . . . . .          | 19,809               | 19,690              | .6                 |
| Finance, insurance, and real estate . . . . . | 4,876                | 4,870               | .1                 |
| Services . . . . .                            | 16,829               | 16,749              | .5                 |
| Government . . . . .                          | 16,102               | 15,799              | 1.9                |

**Table L. Approximate size and coverage of BLS employment and payrolls sample, March 1979<sup>1</sup>**

| Industry division                            | Number of establishments in sample | Employees       |                  |
|--|------------------------------------|-----------------|------------------|
|  |                                    | Number reported | Percent of total |
| Total .....                                  | 166,200                            | 34,701,000      | 39               |
| Mining .....                                 | 2,200                              | 386,000         | 39               |
| Construction .....                           | 16,300                             | 736,000         | 18               |
| Manufacturing .....                          | 45,200                             | 11,580,000      | 55               |
| Transportation and public utilities:         |                                    |                 |                  |
| Railroad transportation (ICC) .....          | 40                                 | 489,000         | 91               |
| Other transportation and public utilities .. | 7,500                              | 2,305,000       | 51               |
| Wholesale and retail trade .....             | 41,800                             | 3,408,000       | 17               |
| Finance, insurance, and real estate .....    | 10,900                             | 1,779,000       | 36               |
| Services .....                               | 24,500                             | 3,257,000       | 19               |
| Government:                                  |                                    |                 |                  |
| Federal <sup>2</sup> .....                   | 4,700                              | 2,740,000       | 100              |
| State and local .....                        | 13,100                             | 8,041,000       | 60               |

<sup>1</sup> Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,700 reports covering about 65 percent of employment in Federal establishments.

**Table M. Approximate size and coverage of BLS labor turnover sample, March 1979**

| Industry                      | Employees       |                  |
|-------------------------------|-----------------|------------------|
|                               | Number reported | Percent of total |
| Total .....                   | 9,987,000       | 44               |
| Manufacturing .....           | 9,093,000       | 43               |
| Mining .....                  | 194,000         | 21               |
| Telephone communication ..... | 700,000         | 68               |

**Reliability of the employment estimates**

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision

adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table N presents the average percent revisions of the five most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

**Table N. Average benchmark percent revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry division**

[In percent]

| Industry division                         | Average benchmark revision in estimates of employment <sup>1</sup> | Relative errors <sup>2</sup> (in percent) |                         |
|---|--|---|-------------------------|
|   |  | Average weekly hours                      | Average hourly earnings |
| Total nonagricultural employment .....    | 0.3  | —   | —                       |
| Total private .....                       | .3   | 0.1                                       | 0.2                     |
| Mining .....                              | 1.1  | .5  | .5                      |
| Contract construction .....               | 1.7  | .2  | .3                      |
| Manufacturing .....                       | .3   | .1  | .1                      |
| Durable .....                             | .4   | .1  | .1                      |
| Nondurable goods .....                    | .4   | .1  | .1                      |
| Transportation and public utilities ..... | .4   | .7  | .4                      |
| Trade .....                               | .3   | .1  | .2                      |
| Wholesale .....                           | .9   | .2  | .3                      |
| Retail .....                              | .2   | .2  | .2                      |
| Finance, insurance, and real estate ..... | .5   | .2  | .4                      |
| Services .....                            | .6   | .4  | .8                      |
| Government <sup>3</sup> .....             | .5   | —   | —                       |

<sup>1</sup> The average percent revision in employment for the following benchmarks: 1970, 1971, 1974, 1978 and 1979.

<sup>2</sup> Relative errors relate to March 1971 data.

<sup>3</sup> Estimates for government are based on a total count for Federal Government and prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table N and for individual industries with the specified number of employees in table O. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.



One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

$$RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table O.

**Table O. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings**

| Size of employment estimate | Root-mean-square error of employment estimates <sup>1</sup> | Relative errors <sup>2</sup> (in percent) |                         |
|-----------------------------|---|---|-------------------------|
|                             |   | Average weekly hours                      | Average hourly earnings |
| 50,000 .....                | 2,100   | 0.9                                       | 1.5                     |
| 100,000 .....               | 4,400   | .7  | 1.1                     |
| 200,000 .....               | 7,100   | .5  | .9                      |
| 500,000 .....               | 15,200  | .4  | .8                      |
| 1,000,000 .....             | 17,100  | .3  | .5                      |
| 2,000,000 .....             | 28,500  | .3  | .5                      |

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

<sup>2</sup> Relative errors relate to March 1971 data.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table P presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

## STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

**Table P. Errors of preliminary employment estimates**

| Category  | Root-mean-square error of— |                       |
|---|----------------------------|-----------------------|
|   | Monthly level              | Month-to-month change |
| <b>INDUSTRY DIVISIONS</b>                               |                            |                       |
| Total nonagricultural employment .....                  | 69,000                     | 63,000                |
| Mining .....  | 5,000                      | 5,000                 |
| Contract construction .....                             | 21,000                     | 19,000                |
| Manufacturing .....                                     | 25,000                     | 24,000                |
| Durable two-digit industries .....                      | 3,700                      | 3,500                 |
| Nondurable two-digit industries ..                      | 2,500                      | 2,500                 |
| Transportation and public utilities ...                 | 14,000                     | 14,000                |
| Wholesale and retail trade .....                        | 30,000                     | 26,000                |
| Finance, insurance, and real estate ...                 | 7,000                      | 6,000                 |
| Services .....  | 30,000                     | 25,000                |
| Government .....  | 43,000                     | 36,000                |
| <b>DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE</b> |                            |                       |
| 50,000 .....  | 300                        | 400                   |
| 100,000 .....   | 700                        | 700                   |
| 200,000 .....   | 1,100                      | 1,100                 |
| 500,000 .....   | 3,900                      | 4,100                 |
| 1,000,000 .....   | 3,800                      | 3,900                 |
| 2,000,000 .....   | 6,000                      | 6,100                 |

NOTE: Division level data are based on differences from January 1974 through March 1980. Detailed industry data are based on differences from August 1978 through June 1979.

## PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

### Definitions

*Hours of wage and salary workers* in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

*Output* is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

*Compensation per hour* includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self employed.

*Real compensation per hour* is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index for All Urban Consumers (CPI-U).

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* include corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

#### Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

## State and area unemployment data (E tables)

### FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Works and Economic Development Act.

### ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate-unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's)

within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly

CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

## Seasonal adjustment

Over a course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment programs used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11/ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, September 1979. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1979, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1980, and a description of the current seasonal adjustment methodology are published in the January 1980 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1980 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1980. The ARIMA model options for projecting the data series for 1 year ahead have not been used in seasonally adjusting the establishment series.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers,

seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

Seasonal factors were not computed for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These unadjusted series are shown and used in the aggregation to broader level seasonally adjusted series.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Further-

more, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *X-11 ARIMA Method* using the trading day option. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through March 1980. Seasonal factors to be used for current adjustment appear in the July 1980 issue of *Employment and Earnings*.

# U.S. Department of Labor Bureau of Labor Statistics

## REGION I - BOSTON

John Fitzgerald Kennedy Federal Bldg.  
Government Center - Room 1603 A  
Boston, Mass. 02203

## REGION II - NEW YORK

1515 Broadway—Suite 3400  
New York, N.Y. 10036

## REGION III - PHILADELPHIA

3535 Market Street  
P.O. Box 13009 (Zip 19101)  
Philadelphia, Pa.

## REGION IV - ATLANTA

1371 Peachtree Street, N.E.  
Atlanta, Ga. 30367

## REGION V - CHICAGO

230 S. Dearborn Street  
Chicago, Ill. 60604

## REGION VI - DALLAS

555 Griffin Sq., 2nd Fl.  
Dallas, Tex. 75202

## REGIONS VII & VIII - KANSAS CITY

911 Walnut Street  
Kansas City, Mo. 64106

## REGIONS IX & X - SAN FRANCISCO

450 Golden Gate Avenue, Box 36017  
San Francisco, Calif. 94102

## COOPERATING STATE AGENCIES

### State and Local Area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and Labor Turnover Statistics Program (LTS)

#### BLS Region

|                   |   |
|-------------------|---|
| IV ALABAMA        | -Department of Industrial Relations, Industrial Relations Building, Room 427 Montgomery 36130   |
| X ALASKA          | -Employment Security Division, Department of Labor, P.O. Box 3-7000 Juneau 99802  |
| IX ARIZONA        | -Department of Economic Security, P.O. Box 6123, Phoenix 85005  |
| VI ARKANSAS       | -Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203  |
| IX CALIFORNIA     | -Employment Development Department, P.O. Box 1679, Sacramento 95808 (CES).  |
| VIII COLORADO     | -Division of Employment and Training, Lincoln Street, Denver 80203  |
| I CONNECTICUT     | -Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109  |
| III DELAWARE      | -Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713  |
| III DIST. OF COL. | -Office of Administration and Management Services, D.C. Department of Manpower, Suite 1000,<br>605 G Street, N.W., Washington 20001   |
| IV FLORIDA        | -Department of Labor and Employment Security, Caldwell Building, Tallahassee 32304  |
| IV GEORGIA        | -Department of Labor, 254 Washington Street, S.W., Atlanta 30304  |
| IX HAWAII         | -Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811  |
| X IDAHO           | -Department of Employment, P.O. Box 35, Boise 83707   |
| IV ILLINOIS       | -Bureau of Employment Security, 910 South Michigan Street, 15th floor, Chicago 60605  |
| V INDIANA         | -Employment Security Division, 10 North Senate Avenue, Indianapolis 46204   |
| VII IOWA          | -Department of Job Service, 1000 East Grand Avenue, Des Moines 50319  |
| VII KANSAS        | -Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603   |
| IV KENTUCKY       | -Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601   |
| VI LOUISIANA      | -Department of Labor, P.O. Box 44094—Capitol Station, Baton Rouge 70804   |
| I MAINE           | -Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330   |
| III MARYLAND      | -Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201  |
| I MASSACHUSETTS   | -Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114   |
| V MICHIGAN        | -Employment Security Commission, 7310 Woodward Avenue, Detroit 48202  |
| V MINNESOTA       | -Department of Economic Security, 390 North Robert Street, Room 517 St. Paul 55101  |
| IV MISSISSIPPI    | -Employment Security Commission, P.O. Box 1699, Jackson 39205   |
| VII MISSOURI      | -Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59,<br>Jefferson City 65101  |
| VIII MONTANA      | -Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601  |
| VII NEBRASKA      | -Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509   |
| IX NEVADA         | -Employment Security Department, P.O. Box 602, Carson City 89713  |
| I NEW HAMPSHIRE   | -Department of Employment Security, 32 South Main Street, Concord 03301   |
| II NEW JERSEY     | -Department of Labor and Industry, John Fitch Plaza, Room 202, Trenton 08625  |
| VI NEW MEXICO     | -Employment Services Division, Department of Human Services, P.O. Box 1928, Albuquerque 87103   |
| II NEW YORK       | -Division of Research and Statistics, N.Y. State Department of Labor, State Campus-Building 12,<br>Albany   |
| IV NORTH CAROLINA | -Employment Security Commission, P.O. Box 25903, Raleigh 27611  |
| VII NORTH DAKOTA  | -Employment Security Bureau, P.O. Box 1537, Bismarck 58505  |
| V OHIO            | -Division of Research and Statistics, Bureau of Employment Services, 145 S. Front St.,<br>Columbus 43216  |
| VI OKLAHOMA       | -Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105  |
| X OREGON          | -Employment Division, Department of Human Resources, 875 Union Street, N.E., Salem 97311  |
| III PENNSYLVANIA  | -Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121  |
| I RHODE ISLAND    | -Department of Employment Security, 24 Mason Street, Providence 02903   |
| IV SOUTH CAROLINA | -Employment Security Commission, P.O. Box 995, Columbia 29202   |
| VII SOUTH DAKOTA  | -Department of Labor, P.O. Box 1730, Aberdeen 57401   |
| IV TENNESSEE      | -Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219   |
| VI TEXAS          | -Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778  |
| VIII UTAH         | -Department of Employment Security, P.O. Box 11249, Salt Lake City 84147  |
| I VERMONT         | -Department of Employment Security, P.O. Box 488, Montpelier 05602  |
| II VIRGIN ISLAND  | -Division of Employment Security, P.O. Box 1092, St. Thomas 00801 (CES)   |
| III VIRGINIA      | -Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond<br>2341 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS) |
| X WASHINGTON      | -Employment Security Department, 1007 South Washington Street, Olympia 98501  |
| III WEST VIRGINIA | -Department of Employment Security, 112 California Avenue, Charleston 25305   |
| V WISCONSIN       | -Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707   |
| VII WYOMING       | -Employment Security Commission, P.O. Box 2760, Casper 82601  |