



EMPLOYMENT AND EARNINGS

September 1983

U.S. Department of Labor
Bureau of Labor Statistics





U.S. DEPARTMENT OF LABOR
Raymond J. Donovan, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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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:

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| | |
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| Annual averages | Jan. |
| Revised seasonally adjusted series | Jan., 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, weekly earnings data | Jan., Apr., July, Oct. |

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| Revised historical national data | Supplement ² |
| State and area annual averages | May |
| Area definitions | May |

State and area unemployment data

| | |
|-----------------|-----|
| Annual averages | May |
|-----------------|-----|

¹ Issue varies. Latest revised data introduced June 1983.

² Month of publication varies. The latest supplement was published in July 1983.

Employment and Earnings

Vol. 30 No. 9 September 1983

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, August 1983

Employment continued to increase in August and unemployment was little changed. Both the overall unemployment rate, 9.4 percent, and the civilian worker rate, 9.5 percent, were about unchanged from July levels but were down 1.3 percentage points from last December's highs.

Total employment—as measured by the monthly survey of households—advanced by nearly 300,000 in August, continuing a strong upward trend. Because of increased strike activity, nonfarm payroll employment—as measured by the monthly survey of establishments—dropped by 410,000. Workers on strike, who are not counted as employed in the establishment survey because they are not on a payroll, increased by 710,000 over the month. (Persons on strike are counted as employed—“with a job but not at work”—in the household survey.) After allowance for strike activity, payroll employment continued the sharp growth that has averaged about 335,000 per month since March.

Unemployment

The number of unemployed persons in August, at 10.7 million, seasonally adjusted, and the civilian unemployment rate, 9.5 percent, were about unchanged over the month, following sharp declines in July. The August unemployment level was 1.3 million below last December's high. (See table A-32.)

There was little over-the-month change in unemployment rates among the major labor force groups. For example, the jobless rates for adult men (8.8 percent), adult women (8.0 percent), teenagers (23.0 percent), whites (8.2 percent), blacks (20.0 percent), and Hispanics (12.9 percent) were either unchanged or little different from their July rates. This pattern also prevailed among married men, married women, and women maintaining families. The highest incidence of unemployment continued to be among black teenagers, with a jobless rate of 53.0 percent. (See tables A-32, A-33, and A-38.)

Long-duration unemployment declined for the second straight month. Since June, the number of very long-term unemployed, those jobless for 6 months or longer, has decreased by half a million. The mean duration of unemployment dropped sharply over the month, from 21.7 to 19.9 weeks, following a smaller decline the

previous month. The median duration registered its third consecutive monthly decline by falling one full week. (See table A-39.)

The distribution of the unemployed among job losers, job leavers, reentrants to the labor force, and new entrants was little changed, with job losers accounting for 58 percent of all unemployed persons. Job losers on layoff accounted for about 15 percent of the jobless in August—considerably below the recession high of nearly 23 percent recorded last September. (See table A-40.)

Civilian employment and the labor force

Civilian employment (as measured by the household survey) edged upward by nearly 300,000 over the month to 101.6 million, with most of the increase among adult women. Since December 1982, the number of employed persons has grown by 2.5 million, with adult men and women sharing about equally in the increase. (See table A-32.)

At 112.3 million, the civilian labor force in August was about 400,000 above the previous month's figure, after adjustment for seasonality. Adult women and teenagers accounted for the increase, as the adult male labor force was about unchanged. Over the past year, the labor force increased by 1.7 million, with adult men up by 1 million and adult women by 900,000. The teenage reduction stemmed from declines in their population.

Industry payroll employment

The number of employees on nonagricultural payrolls fell by 410,000 in August to 89.8 million, seasonally adjusted. However, the establishment survey data were significantly affected by a nationwide strike of some 700,000 communications workers. The payroll survey counts as employed only those persons who were paid wages or salaries during the pay period including the survey reference week. After allowing for the strike-caused reduction in payroll jobs, there was an increase of about 300,000 over the month and 1.8 million since last December. (See table B-4.)

The major effect of the strike was in transportation and public utilities (which includes the communications industry), where employment declined by 655,000 over the month. Strikes also affected employment growth in

three key durable goods manufacturing industries in August—electrical and electronic equipment, machinery, and transportation equipment. Employment in fabricated metals rose by 25,000. In nondurable goods industries, there was a decrease of 25,000 in the food processing industry, while employment in the rubber and plastics industry rose by 10,000.

Strong employment increases continued in construction in August, which rose by 55,000. There was also continued growth in the services industry—up 105,000; more than 600,000 employees have been added to service payrolls in the past 6 months. The other service-producing industries—trade, government, and finance, insurance, and real estate—showed little growth over the month.

Hours of work

The average workweek of production or nonsupervisory workers on private nonfarm payrolls was unchanged in August at 35.0 hours, seasonally adjusted. The manufacturing workweek edged up 0.1 hour, as overtime hours rose. The average workweek in both the transportation equipment and primary metals industries was up by 0.4 hour. (See table C-6.)

The index of aggregate weekly hours declined by 0.8 percent to 105.2 (1977 = 100), reflecting the employment loss due to increased strike activity. The manufacturing

index was 90.3, up 0.2 percent in August and 8.7 percent since last December's low. (See table C-7.)

Hourly and weekly earnings

Average hourly and weekly earnings both declined by 0.7 percent in August, seasonally adjusted, as a result of the strike-induced employment reductions in transportation and public utilities and several other high-wage industries. Before adjustment for seasonality, average hourly earnings were \$7.94, down 5 cents over the month but up 24 cents over the year. Weekly earnings, at \$281.08, were down \$1.77 from July but up \$10.04 over the year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 155.0 (1977 = 100) in August, seasonally adjusted, 0.1 percent lower than in July. For the 12 months ended in August, the increase (before seasonal adjustment) was 3.6 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 2.1 percent during the 12-month period ended in July. (See table C-8.)

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1950 to date

(Numbers in thousands)

| Year and month | Noninstitutional population | Labor force | | | | | | | | | Not in labor force |
|--|-----------------------------|-------------|-----------------------|----------|-----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|
| | | Number | Percent of population | Employed | | | | | Unemployed | | |
| | | | | Total | Resident Armed Forces | Civilian | | | Number | Percent of labor force | |
| | | | | | | Total | Agriculture | Nonagricultural industries | | | |
| Annual averages | | | | | | | | | | | |
| 1950 | 106,164 | 63,377 | 59.7 | 60,087 | 1,189 | 58,918 | 7,160 | 51,758 | 3,288 | 5.2 | 42,787 |
| 1951 | 106,764 | 64,160 | 60.1 | 62,104 | 2,143 | 59,961 | 6,726 | 53,235 | 2,055 | 3.2 | 42,604 |
| 1952 | 107,617 | 64,524 | 60.0 | 62,636 | 2,366 | 60,250 | 6,500 | 53,749 | 1,863 | 2.9 | 43,093 |
| 1953 ¹ | 109,267 | 65,246 | 59.7 | 63,410 | 2,231 | 61,179 | 6,260 | 54,919 | 1,834 | 2.8 | 44,041 |
| 1954 | 110,483 | 65,785 | 59.6 | 62,251 | 2,142 | 60,109 | 6,205 | 53,904 | 3,532 | 5.4 | 44,678 |
| 1955 | 111,747 | 67,087 | 60.0 | 64,234 | 2,064 | 62,170 | 6,450 | 55,722 | 2,652 | 4.3 | 44,660 |
| 1956 | 112,919 | 68,517 | 60.7 | 65,764 | 1,965 | 63,799 | 6,283 | 57,514 | 2,750 | 4.0 | 44,402 |
| 1957 | 114,213 | 68,877 | 60.3 | 66,019 | 1,946 | 64,071 | 5,947 | 58,123 | 2,859 | 4.2 | 45,336 |
| 1958 | 115,574 | 69,486 | 60.1 | 64,883 | 1,847 | 63,036 | 5,586 | 57,450 | 4,602 | 6.6 | 46,086 |
| 1959 | 117,117 | 70,157 | 59.9 | 66,416 | 1,788 | 64,630 | 5,565 | 59,065 | 3,740 | 5.3 | 46,960 |
| 1960 ¹ | 119,106 | 71,489 | 60.0 | 67,839 | 1,881 | 65,778 | 5,458 | 60,318 | 3,852 | 5.4 | 47,617 |
| 1961 | 120,671 | 72,359 | 60.0 | 67,846 | 1,900 | 65,746 | 5,200 | 60,546 | 4,714 | 6.5 | 46,312 |
| 1962 ¹ | 122,214 | 72,675 | 59.5 | 66,763 | 2,061 | 66,702 | 4,944 | 61,759 | 3,911 | 5.4 | 49,539 |
| 1963 | 124,422 | 73,639 | 59.3 | 69,786 | 2,006 | 67,762 | 4,687 | 63,076 | 4,070 | 5.5 | 50,583 |
| 1964 | 126,503 | 75,109 | 59.4 | 71,323 | 2,016 | 69,305 | 4,523 | 64,782 | 3,766 | 5.0 | 51,394 |
| 1965 | 128,459 | 76,401 | 59.5 | 73,034 | 1,946 | 71,088 | 4,361 | 66,726 | 3,366 | 4.4 | 52,058 |
| 1966 | 130,180 | 77,892 | 59.8 | 75,017 | 2,122 | 72,695 | 3,979 | 68,915 | 2,875 | 3.7 | 52,268 |
| 1967 | 132,092 | 79,565 | 60.2 | 76,590 | 2,218 | 74,372 | 3,644 | 70,527 | 2,975 | 3.7 | 52,527 |
| 1968 | 134,261 | 80,990 | 60.3 | 78,173 | 2,253 | 75,920 | 3,617 | 72,103 | 2,617 | 3.5 | 53,291 |
| 1969 | 136,573 | 82,972 | 60.8 | 80,140 | 2,236 | 77,902 | 3,606 | 74,296 | 2,832 | 3.4 | 53,602 |
| 1970 | 139,203 | 84,889 | 61.0 | 80,796 | 2,118 | 78,678 | 3,463 | 75,215 | 4,093 | 4.8 | 54,315 |
| 1971 | 142,189 | 86,355 | 60.7 | 81,340 | 1,973 | 79,367 | 3,394 | 75,972 | 5,016 | 5.8 | 55,834 |
| 1972 ¹ | 145,939 | 86,647 | 60.9 | 83,966 | 1,813 | 82,153 | 3,484 | 78,669 | 4,882 | 5.5 | 57,091 |
| 1973 ¹ | 146,870 | 91,203 | 61.3 | 86,838 | 1,774 | 85,064 | 3,470 | 81,594 | 4,365 | 4.6 | 57,667 |
| 1974 | 151,841 | 93,670 | 61.7 | 88,515 | 1,721 | 86,794 | 3,515 | 83,279 | 5,156 | 5.5 | 58,171 |
| 1975 | 154,631 | 95,453 | 61.8 | 87,524 | 1,678 | 85,846 | 3,408 | 82,436 | 7,929 | 8.3 | 59,377 |
| 1976 | 157,818 | 97,826 | 62.0 | 90,420 | 1,668 | 88,752 | 3,331 | 85,421 | 7,406 | 7.8 | 59,991 |
| 1977 | 160,669 | 100,985 | 62.8 | 93,873 | 1,656 | 92,017 | 3,263 | 88,734 | 6,991 | 8.9 | 60,025 |
| 1978 ¹ | 163,541 | 103,882 | 63.5 | 97,879 | 1,631 | 96,048 | 3,387 | 92,661 | 6,202 | 6.0 | 59,850 |
| 1979 | 166,460 | 106,559 | 64.0 | 100,421 | 1,597 | 98,824 | 3,347 | 95,477 | 6,137 | 5.6 | 59,959 |
| 1980 | 169,349 | 108,544 | 64.1 | 100,907 | 1,604 | 99,303 | 3,364 | 95,936 | 7,637 | 7.0 | 60,806 |
| 1981 | 171,775 | 110,315 | 64.2 | 102,042 | 1,845 | 100,397 | 3,388 | 97,030 | 8,273 | 7.5 | 61,460 |
| 1982 | 173,939 | 111,872 | 64.3 | 101,194 | 1,668 | 99,526 | 3,401 | 96,125 | 10,676 | 9.5 | 62,067 |
| Monthly data, seasonally adjusted² | | | | | | | | | | | |
| 1982: | | | | | | | | | | | |
| August | 174,200 | 112,303 | 64.5 | 101,372 | 1,669 | 99,883 | 3,429 | 96,254 | 10,931 | 9.7 | 61,687 |
| September | 174,360 | 112,528 | 64.5 | 101,213 | 1,670 | 99,543 | 3,363 | 96,180 | 11,315 | 10.1 | 61,832 |
| October | 174,549 | 112,420 | 64.4 | 100,844 | 1,668 | 99,176 | 3,413 | 95,763 | 11,576 | 10.3 | 62,129 |
| November | 174,718 | 112,702 | 64.5 | 100,796 | 1,660 | 99,136 | 3,466 | 95,670 | 11,906 | 10.8 | 62,018 |
| December | 174,664 | 112,794 | 64.5 | 100,756 | 1,665 | 99,093 | 3,411 | 95,662 | 12,036 | 10.7 | 62,070 |
| 1983: | | | | | | | | | | | |
| January | 175,021 | 112,215 | 64.1 | 100,770 | 1,667 | 99,103 | 3,412 | 95,691 | 11,448 | 10.2 | 62,806 |
| February | 175,189 | 112,217 | 64.1 | 100,727 | 1,664 | 99,063 | 3,393 | 95,670 | 11,490 | 10.2 | 62,952 |
| March | 175,320 | 112,148 | 64.0 | 100,767 | 1,664 | 99,103 | 3,375 | 95,729 | 11,381 | 10.1 | 63,172 |
| April | 175,465 | 112,457 | 64.1 | 101,129 | 1,671 | 99,458 | 3,371 | 96,088 | 11,326 | 10.1 | 63,008 |
| May | 175,622 | 112,418 | 64.0 | 101,226 | 1,669 | 99,557 | 3,387 | 96,190 | 11,192 | 10.0 | 63,204 |
| June | 175,793 | 113,600 | 64.6 | 102,454 | 1,668 | 100,766 | 3,522 | 97,264 | 11,146 | 9.8 | 62,193 |
| July | 175,970 | 113,539 | 64.5 | 102,849 | 1,664 | 101,265 | 3,527 | 97,758 | 10,590 | 9.3 | 62,431 |
| August | 176,122 | 113,943 | 64.7 | 103,245 | 1,662 | 101,563 | 3,489 | 98,074 | 10,699 | 9.4 | 62,179 |

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

| Sex, year, and month | Noninstitutional population | Labor force | | | | | | | | Not in labor force | |
|--|-----------------------------|-------------|-----------------------|----------|-----------------------|----------|-------------|----------------------------|------------|--------------------|------------------------|
| | | Number | Percent of population | Employed | | | | | Unemployed | | |
| | | | | Total | Resident Armed Forces | Civilian | | | Number | | Percent of labor force |
| | | | | | | Total | Agriculture | Nonagricultural industries | | | |
| Annual averages | | | | | | | | | | | |
| MEN | | | | | | | | | | | |
| 1972 ¹ | 69,807 | 55,327 | 79.5 | 52,668 | 1,772 | 50,896 | 2,849 | 48,047 | 2,659 | 4.8 | 14,280 |
| 1973 ¹ | 71,017 | 56,349 | 79.3 | 54,074 | 1,725 | 52,349 | 2,647 | 49,502 | 2,275 | 4.0 | 14,667 |
| 1974 | 72,466 | 57,397 | 79.2 | 54,662 | 1,658 | 53,024 | 2,919 | 50,105 | 2,714 | 4.7 | 15,069 |
| 1975 | 73,891 | 57,899 | 78.4 | 53,457 | 1,600 | 51,857 | 2,824 | 49,032 | 4,442 | 7.7 | 15,993 |
| 1976 | 75,341 | 59,756 | 78.0 | 54,720 | 1,562 | 53,138 | 2,744 | 50,394 | 4,036 | 6.9 | 16,585 |
| 1977 | 76,758 | 59,959 | 78.1 | 56,291 | 1,563 | 54,728 | 2,671 | 52,057 | 3,667 | 6.1 | 16,797 |
| 1978 ¹ | 78,107 | 61,151 | 78.3 | 58,010 | 1,531 | 56,479 | 2,718 | 53,761 | 3,142 | 5.1 | 16,956 |
| 1979 | 79,509 | 62,215 | 78.2 | 59,096 | 1,489 | 57,607 | 2,686 | 54,921 | 3,120 | 5.0 | 17,293 |
| 1980 | 80,877 | 62,932 | 77.8 | 58,665 | 1,479 | 57,188 | 2,709 | 54,477 | 4,267 | 6.8 | 17,945 |
| 1981 | 82,023 | 63,486 | 77.4 | 59,909 | 1,512 | 57,397 | 2,700 | 54,897 | 4,577 | 7.2 | 18,537 |
| 1982 | 83,052 | 63,979 | 77.0 | 57,800 | 1,529 | 56,271 | 2,736 | 53,534 | 6,179 | 9.7 | 19,073 |
| Monthly data, seasonally adjusted² | | | | | | | | | | | |
| 1982: | | | | | | | | | | | |
| August | 83,173 | 64,055 | 77.0 | 57,710 | 1,551 | 56,159 | 2,771 | 53,388 | 8,345 | 9.9 | 19,118 |
| September | 83,231 | 64,301 | 77.3 | 57,598 | 1,526 | 56,072 | 2,707 | 53,365 | 8,703 | 10.4 | 18,930 |
| October | 83,323 | 64,300 | 77.2 | 57,458 | 1,524 | 55,932 | 2,764 | 53,166 | 8,844 | 10.8 | 19,023 |
| November | 83,402 | 64,414 | 77.2 | 57,408 | 1,516 | 55,892 | 2,793 | 53,099 | 7,006 | 10.9 | 18,988 |
| December | 83,581 | 64,364 | 77.0 | 57,338 | 1,529 | 55,809 | 2,710 | 53,099 | 7,046 | 10.9 | 19,197 |
| 1983: | | | | | | | | | | | |
| January | 83,852 | 63,916 | 76.4 | 57,283 | 1,531 | 55,752 | 2,728 | 53,024 | 6,833 | 10.4 | 19,736 |
| February | 83,720 | 63,996 | 76.4 | 57,234 | 1,526 | 55,708 | 2,652 | 53,054 | 6,762 | 10.6 | 19,724 |
| March | 83,789 | 63,857 | 76.3 | 57,300 | 1,528 | 55,772 | 2,671 | 53,101 | 6,657 | 10.4 | 19,832 |
| April | 83,858 | 64,207 | 76.8 | 57,478 | 1,530 | 55,946 | 2,883 | 53,263 | 6,731 | 10.5 | 19,649 |
| May | 83,931 | 64,278 | 76.8 | 57,656 | 1,528 | 56,128 | 2,718 | 53,411 | 6,620 | 10.3 | 19,655 |
| June | 84,014 | 64,816 | 77.1 | 58,464 | 1,525 | 56,939 | 2,624 | 54,115 | 6,351 | 9.8 | 19,198 |
| July | 84,099 | 64,864 | 77.1 | 58,625 | 1,521 | 57,104 | 2,644 | 54,260 | 6,238 | 9.6 | 19,235 |
| August | 84,173 | 64,814 | 77.0 | 58,570 | 1,536 | 57,032 | 2,706 | 54,234 | 8,244 | 9.8 | 19,359 |
| Annual averages | | | | | | | | | | | |
| WOMEN | | | | | | | | | | | |
| 1972 ¹ | 78,331 | 33,520 | 43.9 | 31,296 | 41 | 31,257 | 635 | 30,622 | 2,222 | 8.8 | 42,611 |
| 1973 ¹ | 77,853 | 34,853 | 44.8 | 32,764 | 49 | 32,715 | 622 | 32,093 | 2,089 | 6.0 | 43,000 |
| 1974 | 79,375 | 36,274 | 45.7 | 33,832 | 83 | 33,769 | 596 | 33,173 | 2,441 | 6.7 | 43,101 |
| 1975 | 80,938 | 37,553 | 46.4 | 34,067 | 78 | 33,989 | 584 | 33,404 | 3,466 | 9.3 | 43,396 |
| 1976 | 82,478 | 39,069 | 47.4 | 35,701 | 86 | 35,615 | 588 | 35,027 | 3,369 | 8.6 | 43,406 |
| 1977 | 83,932 | 40,705 | 48.5 | 37,381 | 92 | 37,289 | 612 | 36,677 | 3,324 | 8.2 | 43,227 |
| 1978 ¹ | 85,434 | 42,731 | 50.0 | 39,669 | 100 | 39,589 | 669 | 38,900 | 3,081 | 7.2 | 42,703 |
| 1979 | 86,951 | 44,343 | 51.0 | 41,325 | 106 | 41,217 | 661 | 40,558 | 3,016 | 6.8 | 42,608 |
| 1980 | 86,472 | 45,611 | 51.8 | 42,241 | 124 | 42,117 | 658 | 41,461 | 3,370 | 7.4 | 42,881 |
| 1981 | 89,751 | 48,829 | 52.2 | 43,133 | 133 | 43,000 | 667 | 42,333 | 3,696 | 7.9 | 42,922 |
| 1982 | 90,887 | 47,894 | 52.7 | 43,395 | 139 | 43,258 | 665 | 42,591 | 4,499 | 9.4 | 42,993 |
| Monthly data, seasonally adjusted² | | | | | | | | | | | |
| 1982: | | | | | | | | | | | |
| August | 91,027 | 48,248 | 53.0 | 43,662 | 138 | 43,524 | 658 | 42,866 | 4,588 | 9.5 | 42,779 |
| September | 91,129 | 48,227 | 52.9 | 43,815 | 144 | 43,471 | 656 | 42,815 | 4,612 | 9.6 | 42,902 |
| October | 91,226 | 48,120 | 52.7 | 43,388 | 144 | 43,244 | 649 | 42,595 | 4,732 | 9.8 | 43,106 |
| November | 91,316 | 48,288 | 52.9 | 43,388 | 144 | 43,244 | 673 | 42,571 | 4,900 | 10.1 | 43,028 |
| December | 91,283 | 48,410 | 53.0 | 43,420 | 136 | 43,284 | 701 | 42,583 | 4,990 | 10.3 | 42,673 |
| 1983: | | | | | | | | | | | |
| January | 91,369 | 48,299 | 52.9 | 43,466 | 136 | 43,350 | 684 | 42,666 | 4,813 | 10.0 | 43,070 |
| February | 91,449 | 48,220 | 52.7 | 43,493 | 136 | 43,357 | 740 | 42,617 | 4,727 | 9.8 | 43,229 |
| March | 91,532 | 48,191 | 52.6 | 43,487 | 136 | 43,331 | 704 | 42,627 | 4,724 | 9.8 | 43,341 |
| April | 91,609 | 48,251 | 52.7 | 43,653 | 141 | 43,512 | 688 | 42,824 | 4,597 | 9.5 | 43,358 |
| May | 91,691 | 48,142 | 52.5 | 43,589 | 141 | 43,428 | 649 | 42,779 | 4,572 | 9.5 | 43,549 |
| June | 91,779 | 48,784 | 53.2 | 43,990 | 143 | 43,847 | 698 | 43,149 | 4,795 | 9.8 | 42,995 |
| July | 91,871 | 48,875 | 53.0 | 44,324 | 143 | 44,181 | 683 | 43,498 | 4,351 | 8.9 | 43,196 |
| August | 91,949 | 49,130 | 53.4 | 44,675 | 144 | 44,531 | 691 | 43,840 | 4,455 | 9.1 | 42,619 |

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Age, sex, and race | August 1983 | | | | | | | | | | |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
| | Civilian noninstitutional population | 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 | 174,440 | 113,578 | 65.1 | 103,187 | 10,411 | 9.2 | 60,862 | 32,308 | 1,771 | 2,543 | 24,240 |
| 16 to 19 years | 15,204 | 9,844 | 63.4 | 7,737 | 1,907 | 19.8 | 5,580 | 803 | 593 | 23 | 4,141 |
| 16 to 17 years | 7,338 | 3,943 | 52.4 | 3,059 | 784 | 20.4 | 3,496 | 380 | 282 | 10 | 2,864 |
| 18 to 19 years | 7,865 | 5,802 | 73.8 | 4,679 | 1,123 | 19.4 | 2,064 | 443 | 331 | 13 | 1,277 |
| 20 to 24 years | 20,786 | 18,753 | 80.6 | 14,461 | 2,293 | 13.7 | 4,035 | 2,077 | 636 | 89 | 1,252 |
| 25 to 54 years | 90,480 | 72,308 | 79.9 | 66,815 | 5,492 | 7.8 | 18,173 | 13,477 | 531 | 759 | 3,407 |
| 25 to 34 years | 39,232 | 31,838 | 81.2 | 28,903 | 2,934 | 9.2 | 7,394 | 5,467 | 398 | 201 | 1,329 |
| 25 to 29 years | 20,551 | 16,724 | 81.4 | 15,069 | 1,657 | 9.9 | 3,826 | 2,731 | 264 | 85 | 745 |
| 30 to 34 years | 16,681 | 15,113 | 80.9 | 13,835 | 1,279 | 8.5 | 3,568 | 2,735 | 134 | 116 | 584 |
| 35 to 44 years | 29,092 | 23,548 | 80.9 | 21,996 | 1,552 | 6.6 | 5,543 | 4,241 | 101 | 217 | 985 |
| 35 to 39 years | 16,040 | 12,918 | 80.5 | 11,970 | 947 | 7.3 | 3,122 | 2,417 | 57 | 99 | 563 |
| 40 to 44 years | 13,052 | 10,630 | 81.4 | 10,025 | 605 | 5.7 | 2,422 | 1,840 | 43 | 118 | 421 |
| 45 to 54 years | 22,157 | 18,921 | 76.4 | 15,915 | 1,006 | 5.9 | 5,235 | 3,789 | 32 | 341 | 1,093 |
| 45 to 49 years | 11,102 | 8,777 | 79.1 | 8,254 | 523 | 6.0 | 2,326 | 1,688 | 19 | 146 | 475 |
| 50 to 54 years | 11,054 | 8,144 | 73.7 | 7,982 | 482 | 5.9 | 2,910 | 2,082 | 13 | 196 | 619 |
| 55 to 64 years | 22,018 | 11,672 | 53.9 | 11,280 | 612 | 5.2 | 10,145 | 5,730 | 6 | 702 | 3,705 |
| 55 to 59 years | 11,372 | 7,183 | 63.2 | 6,808 | 375 | 5.2 | 4,189 | 2,674 | 7 | 331 | 1,176 |
| 60 to 64 years | 10,644 | 4,688 | 44.0 | 4,452 | 237 | 5.0 | 5,956 | 3,056 | - | 372 | 2,528 |
| 65 years and over | 25,952 | 3,001 | 11.8 | 2,894 | 107 | 3.8 | 22,950 | 10,222 | 4 | 990 | 11,735 |
| 65 to 69 years | 8,886 | 1,701 | 19.1 | 1,629 | 71 | 4.2 | 7,185 | 3,231 | 1 | 241 | 3,713 |
| 70 years and over | 17,066 | 1,301 | 7.6 | 1,265 | 36 | 2.6 | 15,785 | 6,990 | 3 | 749 | 6,023 |
| Men | | | | | | | | | | | |
| 16 years and over | 82,835 | 64,435 | 78.0 | 56,645 | 5,790 | 9.0 | 16,200 | 441 | 677 | 1,490 | 15,392 |
| 16 to 19 years | 7,623 | 5,083 | 66.7 | 4,059 | 1,025 | 20.2 | 2,540 | 53 | 297 | 15 | 2,175 |
| 16 to 17 years | 3,727 | 2,061 | 55.3 | 1,642 | 419 | 20.3 | 1,668 | 32 | 144 | 8 | 1,484 |
| 18 to 19 years | 3,696 | 3,022 | 77.6 | 2,417 | 805 | 20.0 | 874 | 21 | 153 | 6 | 892 |
| 20 to 24 years | 10,135 | 9,051 | 89.3 | 7,764 | 1,286 | 14.2 | 1,065 | 30 | 322 | 47 | 685 |
| 25 to 54 years | 44,016 | 41,369 | 94.0 | 38,335 | 3,033 | 7.3 | 2,848 | 114 | 254 | 539 | 1,741 |
| 25 to 34 years | 19,186 | 18,102 | 94.3 | 16,456 | 1,646 | 9.1 | 1,084 | 54 | 219 | 129 | 683 |
| 25 to 29 years | 10,064 | 9,438 | 93.6 | 8,494 | 945 | 10.0 | 826 | 21 | 150 | 46 | 406 |
| 30 to 34 years | 9,122 | 8,664 | 95.0 | 7,982 | 702 | 8.1 | 458 | 33 | 89 | 83 | 274 |
| 35 to 44 years | 14,145 | 13,479 | 95.3 | 12,832 | 647 | 6.3 | 667 | 28 | 26 | 165 | 447 |
| 35 to 39 years | 7,802 | 7,416 | 95.1 | 6,910 | 506 | 6.8 | 386 | 18 | 14 | 78 | 278 |
| 40 to 44 years | 6,343 | 6,062 | 95.6 | 5,722 | 341 | 5.8 | 281 | 10 | 12 | 68 | 171 |
| 45 to 54 years | 10,665 | 9,766 | 91.6 | 9,248 | 541 | 5.5 | 897 | 32 | 9 | 245 | 611 |
| 45 to 49 years | 5,379 | 5,015 | 93.2 | 4,728 | 267 | 5.7 | 364 | 20 | 6 | 103 | 236 |
| 50 to 54 years | 5,306 | 4,773 | 90.0 | 4,520 | 253 | 5.3 | 533 | 12 | 3 | 142 | 378 |
| 55 to 64 years | 10,267 | 7,077 | 68.9 | 6,702 | 375 | 5.3 | 3,190 | 71 | 4 | 477 | 2,638 |
| 55 to 59 years | 5,353 | 4,319 | 80.7 | 4,098 | 222 | 5.1 | 1,034 | 21 | 3 | 218 | 792 |
| 60 to 64 years | 4,913 | 2,758 | 56.1 | 2,805 | 153 | 5.8 | 2,156 | 50 | 1 | 259 | 1,846 |
| 65 years and over | 10,594 | 1,855 | 17.5 | 1,784 | 71 | 3.8 | 8,739 | 173 | - | 412 | 6,153 |
| 65 to 69 years | 3,958 | 1,004 | 25.4 | 960 | 44 | 4.3 | 2,954 | 40 | - | 126 | 2,786 |
| 70 years and over | 6,636 | 851 | 12.8 | 824 | 27 | 3.2 | 5,785 | 133 | - | 284 | 5,366 |
| Women | | | | | | | | | | | |
| 16 years and over | 91,605 | 49,143 | 53.5 | 44,522 | 4,621 | 9.4 | 42,662 | 31,868 | 694 | 1,053 | 8,846 |
| 16 to 19 years | 7,581 | 4,561 | 60.2 | 3,679 | 882 | 19.3 | 3,020 | 750 | 296 | 6 | 1,966 |
| 16 to 17 years | 3,611 | 1,782 | 49.3 | 1,417 | 365 | 20.5 | 1,830 | 328 | 116 | 4 | 1,380 |
| 18 to 19 years | 3,970 | 2,779 | 70.0 | 2,262 | 517 | 18.6 | 1,190 | 422 | 178 | 4 | 566 |
| 20 to 24 years | 10,853 | 7,703 | 72.3 | 6,896 | 1,006 | 13.1 | 2,950 | 2,047 | 314 | 22 | 567 |
| 25 to 54 years | 46,484 | 30,938 | 66.6 | 28,479 | 2,459 | 7.9 | 15,525 | 13,363 | 277 | 220 | 1,688 |
| 25 to 34 years | 20,046 | 13,736 | 68.5 | 12,448 | 1,288 | 9.4 | 6,310 | 5,412 | 179 | 72 | 647 |
| 25 to 29 years | 10,487 | 7,266 | 69.5 | 6,575 | 712 | 9.8 | 3,200 | 2,710 | 114 | 39 | 337 |
| 30 to 34 years | 9,559 | 8,449 | 87.5 | 5,873 | 577 | 8.9 | 3,110 | 2,702 | 85 | 33 | 310 |
| 35 to 44 years | 14,946 | 10,070 | 67.4 | 9,364 | 706 | 7.0 | 4,877 | 4,213 | 74 | 51 | 538 |
| 35 to 39 years | 6,238 | 5,502 | 66.8 | 5,060 | 441 | 8.0 | 2,738 | 2,384 | 43 | 21 | 287 |
| 40 to 44 years | 6,709 | 4,568 | 68.1 | 4,303 | 264 | 5.8 | 2,141 | 1,830 | 31 | 30 | 250 |
| 45 to 54 years | 11,472 | 7,133 | 62.2 | 6,868 | 465 | 6.5 | 4,339 | 3,737 | 23 | 97 | 482 |
| 45 to 49 years | 5,723 | 3,762 | 65.7 | 3,528 | 238 | 6.3 | 1,962 | 1,688 | 13 | 43 | 239 |
| 50 to 54 years | 5,748 | 3,371 | 58.8 | 3,142 | 229 | 6.8 | 2,377 | 2,070 | 10 | 54 | 243 |
| 55 to 64 years | 11,750 | 4,795 | 40.8 | 4,558 | 237 | 4.9 | 6,955 | 5,659 | 4 | 225 | 1,067 |
| 55 to 59 years | 6,019 | 2,864 | 47.6 | 2,711 | 153 | 5.3 | 3,155 | 2,854 | 4 | 113 | 384 |
| 60 to 64 years | 5,731 | 1,931 | 33.7 | 1,847 | 64 | 4.3 | 3,800 | 3,006 | - | 112 | 683 |
| 65 years and over | 15,358 | 1,146 | 7.5 | 1,110 | 37 | 3.2 | 14,212 | 10,048 | 4 | 578 | 3,582 |
| 65 to 69 years | 4,928 | 697 | 14.1 | 689 | 27 | 3.9 | 4,231 | 3,191 | 1 | 113 | 827 |
| 70 years and over | 10,430 | 450 | 4.3 | 441 | 9 | 2.0 | 9,980 | 6,857 | 3 | 465 | 2,655 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Age, sex, and race | August 1983 | | | | | | | | | | |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
| | Civilian noninstitutional population | 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 | | | | | |
| WHITE | | | | | | | | | | | |
| 16 years and over | 151,003 | 98,649 | 65.3 | 90,908 | 7,742 | 7.8 | 52,353 | 28,415 | 1,217 | 1,985 | 20,737 |
| 18 to 19 years | 12,547 | 8,379 | 66.8 | 8,992 | 1,387 | 18.6 | 4,168 | 575 | 401 | 15 | 3,177 |
| 18 to 17 years | 6,038 | 3,392 | 56.2 | 2,772 | 820 | 18.3 | 2,646 | 255 | 179 | 8 | 2,204 |
| 18 to 19 years | 6,509 | 4,987 | 76.8 | 4,220 | 767 | 15.4 | 1,523 | 320 | 223 | 7 | 973 |
| 20 to 24 years | 17,531 | 14,465 | 82.5 | 12,856 | 1,610 | 11.1 | 3,066 | 1,836 | 435 | 39 | 953 |
| 25 to 54 years | 77,851 | 62,501 | 80.3 | 58,319 | 4,184 | 6.7 | 15,348 | 11,697 | 366 | 566 | 2,719 |
| 25 to 34 years | 33,341 | 27,190 | 81.6 | 25,018 | 2,172 | 6.0 | 6,151 | 4,695 | 259 | 142 | 1,055 |
| 25 to 29 years | 17,439 | 14,291 | 81.9 | 13,103 | 1,187 | 8.3 | 3,149 | 2,343 | 180 | 62 | 565 |
| 30 to 34 years | 15,902 | 12,899 | 81.1 | 11,915 | 985 | 7.6 | 3,002 | 2,352 | 79 | 81 | 490 |
| 35 to 44 years | 25,154 | 20,403 | 81.1 | 19,185 | 1,218 | 6.0 | 4,751 | 3,726 | 78 | 164 | 782 |
| 35 to 39 years | 13,859 | 11,202 | 80.6 | 10,468 | 735 | 9.0 | 2,657 | 2,118 | 44 | 75 | 434 |
| 40 to 44 years | 11,294 | 9,202 | 81.5 | 8,720 | 482 | 5.2 | 2,094 | 1,646 | 34 | 89 | 348 |
| 45 to 54 years | 19,356 | 14,909 | 77.0 | 14,118 | 794 | 5.3 | 4,446 | 3,275 | 29 | 260 | 882 |
| 45 to 49 years | 9,641 | 7,668 | 79.5 | 7,278 | 390 | 5.1 | 1,972 | 1,473 | 16 | 109 | 381 |
| 50 to 54 years | 9,718 | 7,241 | 74.5 | 6,837 | 404 | 5.4 | 2,475 | 1,813 | 12 | 151 | 501 |
| 55 to 64 years | 19,601 | 10,573 | 53.9 | 10,080 | 493 | 4.7 | 8,026 | 5,156 | 9 | 565 | 3,299 |
| 55 to 59 years | 10,083 | 6,368 | 63.4 | 6,099 | 290 | 4.5 | 3,695 | 2,399 | 8 | 266 | 1,022 |
| 60 to 64 years | 9,518 | 4,164 | 44.0 | 3,982 | 203 | 4.8 | 5,333 | 2,756 | 1 | 300 | 2,278 |
| 65 years and over | 23,473 | 2,730 | 11.8 | 2,661 | 89 | 2.5 | 20,743 | 9,350 | 5 | 799 | 10,589 |
| 65 to 69 years | 8,029 | 1,548 | 19.3 | 1,501 | 47 | 3.0 | 6,482 | 2,935 | 1 | 209 | 3,338 |
| 70 years and over | 15,443 | 1,182 | 7.7 | 1,160 | 22 | 1.9 | 14,261 | 8,415 | 4 | 591 | 7,252 |
| Men | | | | | | | | | | | |
| 16 years and over | 72,027 | 56,841 | 78.6 | 52,271 | 4,370 | 7.7 | 15,385 | 333 | 605 | 1,167 | 13,280 |
| 18 to 19 years | 6,306 | 4,393 | 69.7 | 3,660 | 733 | 18.7 | 1,913 | 35 | 212 | 9 | 1,658 |
| 18 to 17 years | 3,068 | 1,798 | 58.8 | 1,480 | 318 | 17.7 | 1,270 | 21 | 105 | 8 | 1,138 |
| 18 to 19 years | 3,238 | 2,595 | 60.1 | 2,180 | 415 | 16.0 | 643 | 14 | 106 | 3 | 520 |
| 20 to 24 years | 8,824 | 7,826 | 90.8 | 8,699 | 927 | 11.8 | 798 | 22 | 230 | 26 | 519 |
| 25 to 54 years | 38,319 | 38,349 | 94.9 | 33,987 | 2,367 | 6.5 | 1,989 | 75 | 159 | 406 | 1,329 |
| 25 to 34 years | 16,548 | 15,760 | 95.2 | 14,503 | 1,257 | 8.0 | 788 | 39 | 133 | 91 | 525 |
| 25 to 29 years | 8,672 | 8,229 | 94.9 | 7,516 | 713 | 8.7 | 444 | 15 | 94 | 35 | 300 |
| 30 to 34 years | 7,876 | 7,531 | 95.8 | 8,967 | 545 | 7.2 | 344 | 24 | 39 | 57 | 225 |
| 35 to 44 years | 12,350 | 11,866 | 96.1 | 11,182 | 684 | 5.8 | 484 | 17 | 18 | 124 | 325 |
| 35 to 39 years | 8,817 | 8,538 | 95.9 | 8,135 | 403 | 6.2 | 279 | 14 | 8 | 60 | 197 |
| 40 to 44 years | 5,532 | 5,328 | 96.3 | 5,048 | 280 | 5.3 | 205 | 2 | 10 | 64 | 128 |
| 45 to 54 years | 9,421 | 8,724 | 92.6 | 8,302 | 422 | 4.8 | 897 | 19 | 7 | 191 | 480 |
| 45 to 49 years | 4,701 | 4,427 | 94.2 | 4,222 | 205 | 4.6 | 273 | 10 | 5 | 81 | 177 |
| 50 to 54 years | 4,721 | 4,297 | 91.0 | 4,080 | 217 | 5.0 | 424 | 9 | 2 | 110 | 302 |
| 55 to 64 years | 9,191 | 6,371 | 69.3 | 6,069 | 302 | 4.7 | 2,820 | 59 | 4 | 391 | 2,366 |
| 55 to 59 years | 4,763 | 3,882 | 81.2 | 3,711 | 170 | 4.4 | 901 | 19 | 3 | 185 | 694 |
| 60 to 64 years | 4,408 | 2,489 | 56.5 | 2,358 | 131 | 5.3 | 1,919 | 40 | 1 | 206 | 1,872 |
| 65 years and over | 9,586 | 1,701 | 17.7 | 1,855 | 48 | 2.7 | 7,885 | 143 | - | 335 | 7,408 |
| 65 to 69 years | 3,593 | 933 | 26.0 | 903 | 30 | 3.2 | 2,660 | 26 | - | 114 | 2,520 |
| 70 years and over | 5,993 | 768 | 12.8 | 752 | 16 | 2.0 | 5,225 | 117 | - | 221 | 4,867 |
| Women | | | | | | | | | | | |
| 16 years and over | 78,978 | 42,008 | 53.2 | 38,637 | 3,371 | 8.0 | 36,968 | 26,082 | 812 | 818 | 7,457 |
| 18 to 19 years | 8,241 | 3,988 | 63.9 | 3,331 | 654 | 18.4 | 2,255 | 540 | 190 | 6 | 1,519 |
| 18 to 17 years | 2,970 | 1,594 | 53.7 | 1,292 | 302 | 19.0 | 1,376 | 234 | 74 | 2 | 1,068 |
| 18 to 19 years | 3,271 | 2,391 | 73.1 | 2,040 | 352 | 14.7 | 880 | 306 | 116 | 3 | 454 |
| 20 to 24 years | 8,907 | 8,639 | 74.5 | 5,957 | 683 | 10.3 | 2,268 | 1,816 | 205 | 13 | 434 |
| 25 to 54 years | 39,532 | 26,152 | 66.2 | 24,332 | 1,821 | 7.0 | 13,379 | 11,822 | 207 | 180 | 1,390 |
| 25 to 34 years | 18,793 | 11,430 | 68.1 | 10,515 | 914 | 6.0 | 5,363 | 4,656 | 126 | 51 | 530 |
| 25 to 29 years | 8,787 | 8,062 | 89.1 | 5,587 | 474 | 7.8 | 2,705 | 2,328 | 66 | 27 | 265 |
| 30 to 34 years | 8,026 | 5,368 | 66.9 | 4,928 | 440 | 8.2 | 2,658 | 2,326 | 40 | 24 | 265 |
| 35 to 44 years | 12,804 | 8,537 | 66.7 | 8,003 | 535 | 6.3 | 4,287 | 3,710 | 80 | 40 | 457 |
| 35 to 39 years | 7,042 | 4,664 | 66.2 | 4,331 | 332 | 7.1 | 2,378 | 2,080 | 38 | 15 | 237 |
| 40 to 44 years | 5,782 | 3,874 | 67.2 | 3,672 | 202 | 5.2 | 1,889 | 1,620 | 24 | 25 | 220 |
| 45 to 54 years | 9,935 | 6,185 | 62.3 | 5,813 | 372 | 6.0 | 3,749 | 3,256 | 21 | 69 | 403 |
| 45 to 49 years | 4,940 | 3,241 | 65.6 | 3,058 | 185 | 5.7 | 1,899 | 1,456 | 11 | 26 | 204 |
| 50 to 54 years | 4,995 | 2,944 | 58.9 | 2,757 | 187 | 6.3 | 2,051 | 1,800 | 10 | 41 | 189 |
| 55 to 64 years | 10,410 | 4,202 | 40.4 | 4,011 | 191 | 4.5 | 6,208 | 5,098 | 5 | 175 | 932 |
| 55 to 59 years | 5,301 | 2,507 | 47.3 | 2,367 | 120 | 4.8 | 2,794 | 2,380 | 4 | 61 | 328 |
| 60 to 64 years | 5,110 | 1,895 | 33.2 | 1,824 | 71 | 4.2 | 3,414 | 2,718 | 1 | 94 | 604 |
| 65 years and over | 13,866 | 1,028 | 7.4 | 1,006 | 23 | 2.2 | 12,858 | 9,207 | 5 | 465 | 3,181 |
| 65 to 69 years | 4,438 | 615 | 13.9 | 598 | 17 | 2.7 | 3,822 | 2,909 | 1 | 95 | 816 |
| 70 years and over | 9,450 | 414 | 4.4 | 408 | 6 | 1.5 | 9,038 | 6,298 | 4 | 370 | 2,365 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Age, sex, and race | August 1983 | | | | | | | | | | |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
| | Civilian noninstitutional population | 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 | | | | | |
| BLACK | | | | | | | | | | | |
| 16 years and over | 18,966 | 11,997 | 83.3 | 9,833 | 2,384 | 19.7 | 6,989 | 3,139 | 372 | 510 | 2,949 |
| 16 to 19 years | 2,218 | 1,041 | 48.9 | 570 | 471 | 45.2 | 1,177 | 194 | 148 | 8 | 827 |
| 16 to 17 years | 1,088 | 358 | 33.0 | 214 | 144 | 40.2 | 728 | 91 | 72 | 2 | 562 |
| 18 to 19 years | 1,132 | 683 | 60.3 | 358 | 327 | 47.9 | 449 | 103 | 75 | 8 | 285 |
| 20 to 24 years | 2,741 | 1,842 | 70.8 | 1,311 | 630 | 32.5 | 799 | 382 | 141 | 29 | 248 |
| 25 to 54 years | 9,903 | 7,731 | 78.1 | 6,801 | 1,131 | 14.6 | 2,171 | 1,337 | 83 | 176 | 574 |
| 25 to 34 years | 4,628 | 3,701 | 80.0 | 3,021 | 680 | 18.4 | 925 | 565 | 67 | 54 | 238 |
| 25 to 29 years | 2,481 | 1,972 | 79.5 | 1,553 | 419 | 21.2 | 509 | 291 | 41 | 23 | 154 |
| 30 to 34 years | 2,145 | 1,729 | 80.6 | 1,468 | 261 | 15.1 | 416 | 274 | 26 | 31 | 84 |
| 35 to 44 years | 3,018 | 2,432 | 80.6 | 2,162 | 270 | 11.1 | 584 | 372 | 13 | 44 | 155 |
| 35 to 39 years | 1,652 | 1,319 | 79.8 | 1,143 | 176 | 13.3 | 334 | 213 | 8 | 17 | 97 |
| 40 to 44 years | 1,364 | 1,112 | 81.5 | 1,019 | 94 | 8.5 | 250 | 160 | 5 | 27 | 59 |
| 45 to 54 years | 2,261 | 1,599 | 70.7 | 1,418 | 181 | 11.3 | 682 | 400 | 3 | 78 | 181 |
| 45 to 49 years | 1,168 | 873 | 74.7 | 762 | 111 | 12.7 | 295 | 176 | 2 | 37 | 81 |
| 50 to 54 years | 1,093 | 727 | 66.5 | 858 | 70 | 9.6 | 367 | 224 | 1 | 41 | 100 |
| 55 to 64 years | 1,988 | 1,054 | 53.6 | 953 | 100 | 9.5 | 912 | 480 | - | 121 | 332 |
| 55 to 59 years | 1,044 | 847 | 82.0 | 576 | 71 | 10.9 | 397 | 215 | - | 54 | 128 |
| 60 to 64 years | 922 | 407 | 44.2 | 377 | 30 | 7.3 | 515 | 245 | - | 87 | 204 |
| 65 years and over | 2,139 | 229 | 10.7 | 198 | 31 | 13.7 | 1,910 | 758 | - | 176 | 970 |
| 65 to 69 years | 731 | 125 | 17.1 | 105 | 21 | 16.8 | 606 | 261 | - | 28 | 327 |
| 70 years and over | 1,408 | 104 | 7.4 | 93 | 11 | 10.6 | 1,305 | 515 | - | 147 | 843 |
| Men | | | | | | | | | | | |
| 16 years and over | 8,486 | 6,164 | 72.6 | 4,917 | 1,247 | 20.2 | 2,302 | 86 | 165 | 289 | 1,763 |
| 16 to 19 years | 1,084 | 555 | 51.3 | 297 | 258 | 48.6 | 529 | 17 | 62 | 6 | 444 |
| 16 to 17 years | 540 | 200 | 37.1 | 112 | 88 | 43.9 | 339 | 10 | 34 | 1 | 294 |
| 18 to 19 years | 544 | 355 | 65.2 | 184 | 171 | 48.1 | 190 | 7 | 28 | 5 | 150 |
| 20 to 24 years | 1,259 | 1,041 | 82.7 | 705 | 336 | 32.3 | 218 | 8 | 60 | 20 | 132 |
| 25 to 54 years | 4,420 | 3,891 | 88.0 | 3,319 | 572 | 14.7 | 528 | 31 | 43 | 120 | 334 |
| 25 to 34 years | 2,078 | 1,863 | 89.7 | 1,518 | 347 | 18.6 | 214 | 11 | 38 | 34 | 131 |
| 25 to 29 years | 1,117 | 987 | 88.4 | 779 | 207 | 21.0 | 130 | 3 | 29 | 11 | 87 |
| 30 to 34 years | 961 | 878 | 91.2 | 737 | 140 | 18.0 | 84 | 6 | 9 | 23 | 44 |
| 35 to 44 years | 1,341 | 1,203 | 89.7 | 1,078 | 127 | 10.8 | 138 | 9 | 3 | 36 | 91 |
| 35 to 39 years | 736 | 658 | 89.1 | 574 | 82 | 12.8 | 80 | 3 | 3 | 14 | 61 |
| 40 to 44 years | 805 | 546 | 67.8 | 502 | 45 | 8.2 | 58 | 6 | - | 22 | 31 |
| 45 to 54 years | 1,001 | 825 | 82.5 | 727 | 98 | 11.9 | 175 | 11 | 2 | 50 | 112 |
| 45 to 49 years | 519 | 438 | 84.4 | 372 | 66 | 15.1 | 81 | 9 | 1 | 22 | 50 |
| 50 to 54 years | 482 | 388 | 80.5 | 358 | 32 | 6.3 | 94 | 3 | 1 | 28 | 62 |
| 55 to 64 years | 857 | 552 | 64.5 | 491 | 81 | 11.1 | 304 | 9 | - | 74 | 221 |
| 55 to 59 years | 454 | 346 | 76.2 | 304 | 42 | 12.2 | 108 | 2 | - | 25 | 62 |
| 60 to 64 years | 402 | 206 | 51.3 | 187 | 19 | 9.2 | 196 | 7 | - | 50 | 140 |
| 65 years and over | 848 | 125 | 14.7 | 106 | 19 | 15.0 | 723 | 23 | - | 69 | 832 |
| 65 to 69 years | 307 | 54 | 17.8 | 44 | 10 | (¹) | 253 | 9 | - | 11 | 233 |
| 70 years and over | 541 | 71 | 13.0 | 62 | 9 | (¹) | 471 | 14 | - | 57 | 399 |
| Women | | | | | | | | | | | |
| 16 years and over | 10,500 | 5,833 | 55.6 | 4,718 | 1,117 | 19.1 | 4,687 | 3,053 | 205 | 222 | 1,186 |
| 16 to 19 years | 1,134 | 485 | 42.8 | 273 | 212 | 43.7 | 648 | 177 | 86 | 2 | 383 |
| 16 to 17 years | 546 | 158 | 28.9 | 102 | 56 | 35.5 | 388 | 81 | 38 | 1 | 268 |
| 18 to 19 years | 588 | 328 | 55.8 | 171 | 158 | 47.7 | 260 | 96 | 47 | 1 | 115 |
| 20 to 24 years | 1,482 | 901 | 60.8 | 606 | 295 | 32.7 | 561 | 378 | 81 | 9 | 114 |
| 25 to 54 years | 5,483 | 3,840 | 70.0 | 3,282 | 559 | 14.6 | 1,843 | 1,306 | 40 | 56 | 240 |
| 25 to 34 years | 2,548 | 1,838 | 72.1 | 1,505 | 333 | 18.1 | 710 | 554 | 29 | 20 | 107 |
| 25 to 29 years | 1,364 | 985 | 72.2 | 774 | 212 | 21.5 | 379 | 288 | 12 | 12 | 87 |
| 30 to 34 years | 1,184 | 853 | 72.0 | 731 | 121 | 14.2 | 332 | 266 | 17 | 8 | 40 |
| 35 to 44 years | 1,875 | 1,229 | 73.4 | 1,088 | 143 | 11.8 | 448 | 363 | 10 | 8 | 64 |
| 35 to 39 years | 918 | 683 | 72.3 | 589 | 94 | 14.1 | 254 | 210 | 5 | 3 | 36 |
| 40 to 44 years | 759 | 588 | 74.7 | 517 | 49 | 8.7 | 192 | 154 | 5 | 5 | 28 |
| 45 to 54 years | 1,260 | 773 | 61.4 | 691 | 83 | 10.7 | 487 | 389 | 1 | 28 | 89 |
| 45 to 49 years | 649 | 435 | 67.0 | 390 | 45 | 10.3 | 214 | 167 | 1 | 15 | 31 |
| 50 to 54 years | 611 | 339 | 55.4 | 300 | 38 | 11.3 | 273 | 221 | - | 13 | 38 |
| 55 to 64 years | 1,109 | 501 | 45.2 | 462 | 39 | 7.8 | 808 | 451 | - | 47 | 111 |
| 55 to 59 years | 590 | 301 | 51.0 | 272 | 28 | 9.5 | 289 | 213 | - | 30 | 48 |
| 60 to 64 years | 520 | 201 | 38.6 | 190 | 11 | 5.3 | 319 | 238 | - | 17 | 84 |
| 65 years and over | 1,291 | 104 | 8.1 | 92 | 13 | 12.0 | 1,187 | 743 | - | 107 | 338 |
| 65 to 69 years | 424 | 71 | 16.8 | 81 | 11 | (¹) | 353 | 242 | - | 17 | 94 |
| 70 years and over | 867 | 33 | 3.8 | 31 | 2 | (¹) | 834 | 501 | - | 90 | 244 |

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

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-4. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

| Age and sex | August 1983 | | | | | | | | Not in labor force |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|
| | Civilian noninstitutional population | Civilian labor force | | | | | | | |
| | | Total | Percent of population | Employed | | | Unemployed | | |
| | | | | Total | Agriculture | Nonagricultural industries | Number | Percent of labor force | |
| TOTAL | | | | | | | | | |
| 16 years and over | 23,437 | 14,929 | 63.7 | 12,259 | 340 | 11,919 | 2,669 | 17.9 | 8,509 |
| 16 to 19 years | 2,857 | 1,285 | 47.8 | 745 | 44 | 701 | 520 | 41.1 | 1,391 |
| 16 to 17 years | 1,300 | 450 | 34.6 | 288 | 21 | 266 | 164 | 36.4 | 850 |
| 18 to 19 years | 1,356 | 615 | 60.1 | 459 | 24 | 435 | 356 | 43.7 | 541 |
| 20 to 24 years | 3,257 | 2,266 | 70.3 | 1,805 | 48 | 1,557 | 663 | 29.9 | 969 |
| 25 to 54 years | 12,630 | 9,605 | 77.6 | 8,498 | 175 | 8,322 | 1,309 | 13.4 | 2,624 |
| 25 to 34 years | 5,991 | 4,648 | 78.9 | 3,886 | 80 | 3,806 | 763 | 16.4 | 1,243 |
| 25 to 29 years | 3,111 | 2,435 | 78.3 | 1,965 | 53 | 1,913 | 469 | 19.3 | 677 |
| 30 to 34 years | 2,780 | 1,203 | 43.3 | 1,920 | 28 | 1,893 | 293 | 24.4 | 566 |
| 35 to 44 years | 3,938 | 3,145 | 79.9 | 2,811 | 52 | 2,759 | 334 | 10.8 | 793 |
| 35 to 39 years | 2,181 | 1,717 | 78.7 | 1,505 | 29 | 1,475 | 212 | 12.3 | 464 |
| 40 to 44 years | 1,757 | 1,429 | 81.3 | 1,308 | 23 | 1,284 | 122 | 8.5 | 328 |
| 45 to 54 years | 2,801 | 2,012 | 71.8 | 1,800 | 43 | 1,758 | 212 | 10.5 | 789 |
| 45 to 49 years | 1,461 | 1,109 | 75.9 | 975 | 25 | 950 | 133 | 12.0 | 354 |
| 50 to 54 years | 1,340 | 903 | 67.4 | 824 | 18 | 807 | 79 | 8.7 | 435 |
| 55 to 64 years | 2,415 | 1,299 | 53.8 | 1,180 | 48 | 1,134 | 119 | 9.2 | 1,118 |
| 55 to 59 years | 1,289 | 795 | 61.7 | 710 | 28 | 681 | 85 | 10.7 | 494 |
| 60 to 64 years | 1,126 | 504 | 44.7 | 470 | 18 | 452 | 34 | 6.7 | 623 |
| 65 years and over | 2,479 | 272 | 11.0 | 233 | 27 | 206 | 39 | 14.3 | 2,208 |
| 65 to 69 years | 857 | 153 | 17.9 | 128 | 11 | 117 | 24 | 15.7 | 704 |
| 70 years and over | 1,623 | 119 | 7.3 | 105 | 18 | 89 | 18 | 15.1 | 1,504 |
| Men | | | | | | | | | |
| 16 years and over | 10,808 | 7,793 | 73.5 | 6,374 | 270 | 6,104 | 1,419 | 16.2 | 2,815 |
| 16 to 19 years | 1,316 | 890 | 52.4 | 398 | 37 | 361 | 292 | 42.3 | 627 |
| 16 to 17 years | 659 | 263 | 39.9 | 181 | 20 | 161 | 101 | 36.6 | 398 |
| 18 to 19 years | 658 | 427 | 64.9 | 237 | 17 | 219 | 190 | 44.8 | 231 |
| 20 to 24 years | 1,511 | 1,224 | 81.0 | 865 | 37 | 828 | 359 | 29.3 | 287 |
| 25 to 54 years | 5,998 | 5,019 | 88.1 | 4,349 | 134 | 4,215 | 671 | 13.4 | 876 |
| 25 to 34 years | 2,838 | 2,342 | 88.8 | 1,953 | 81 | 1,872 | 369 | 18.6 | 298 |
| 25 to 29 years | 1,392 | 1,210 | 86.9 | 978 | 39 | 939 | 232 | 19.2 | 182 |
| 30 to 34 years | 1,248 | 1,132 | 90.9 | 975 | 23 | 953 | 157 | 13.9 | 114 |
| 35 to 44 years | 1,798 | 1,613 | 89.6 | 1,450 | 42 | 1,408 | 183 | 10.1 | 183 |
| 35 to 39 years | 985 | 879 | 89.2 | 776 | 24 | 752 | 103 | 11.7 | 108 |
| 40 to 44 years | 811 | 735 | 90.6 | 674 | 18 | 657 | 60 | 8.2 | 76 |
| 45 to 54 years | 1,264 | 1,064 | 84.2 | 945 | 31 | 914 | 119 | 11.2 | 200 |
| 45 to 49 years | 678 | 588 | 86.7 | 505 | 17 | 488 | 82 | 14.0 | 91 |
| 50 to 54 years | 586 | 478 | 81.4 | 440 | 13 | 427 | 36 | 7.7 | 109 |
| 55 to 64 years | 1,078 | 706 | 65.7 | 633 | 38 | 595 | 73 | 10.3 | 369 |
| 55 to 59 years | 571 | 438 | 76.7 | 386 | 24 | 363 | 51 | 11.8 | 133 |
| 60 to 64 years | 505 | 268 | 53.2 | 247 | 14 | 233 | 22 | 8.1 | 238 |
| 65 years and over | 1,008 | 154 | 15.2 | 129 | 24 | 105 | 25 | 16.2 | 854 |
| 65 to 69 years | 385 | 71 | 18.3 | 57 | 8 | 49 | 13 | (¹) | 294 |
| 70 years and over | 643 | 83 | 12.9 | 72 | 16 | 56 | 12 | 13.9 | 560 |
| Women | | | | | | | | | |
| 16 years and over | 12,829 | 7,135 | 55.6 | 5,885 | 70 | 5,815 | 1,250 | 17.5 | 5,694 |
| 16 to 19 years | 1,340 | 576 | 42.9 | 347 | 7 | 340 | 228 | 39.6 | 785 |
| 16 to 17 years | 642 | 186 | 29.2 | 125 | 1 | 124 | 83 | 33.3 | 454 |
| 18 to 19 years | 899 | 386 | 55.5 | 222 | 6 | 216 | 166 | 42.7 | 311 |
| 20 to 24 years | 1,745 | 1,064 | 60.9 | 740 | 10 | 729 | 324 | 30.5 | 682 |
| 25 to 54 years | 6,932 | 4,788 | 69.0 | 4,147 | 41 | 4,107 | 638 | 13.3 | 2,146 |
| 25 to 34 years | 3,253 | 2,308 | 70.9 | 1,932 | 18 | 1,914 | 374 | 16.2 | 947 |
| 25 to 29 years | 1,719 | 1,225 | 71.2 | 987 | 14 | 974 | 237 | 18.4 | 495 |
| 30 to 34 years | 1,534 | 1,082 | 70.5 | 845 | 5 | 840 | 136 | 12.8 | 452 |
| 35 to 44 years | 2,142 | 1,532 | 71.5 | 1,361 | 10 | 1,351 | 171 | 11.2 | 610 |
| 35 to 39 years | 1,198 | 838 | 70.1 | 729 | 5 | 723 | 109 | 13.0 | 358 |
| 40 to 44 years | 946 | 694 | 73.3 | 632 | 5 | 627 | 82 | 9.0 | 252 |
| 45 to 54 years | 1,537 | 948 | 61.7 | 854 | 13 | 842 | 93 | 9.8 | 589 |
| 45 to 49 years | 783 | 521 | 66.5 | 470 | 8 | 462 | 51 | 9.7 | 263 |
| 50 to 54 years | 754 | 427 | 56.7 | 384 | 5 | 380 | 43 | 10.0 | 326 |
| 55 to 64 years | 1,340 | 593 | 44.2 | 547 | 8 | 539 | 46 | 7.6 | 747 |
| 55 to 59 years | 718 | 357 | 49.7 | 324 | 5 | 319 | 34 | 9.4 | 361 |
| 60 to 64 years | 821 | 235 | 28.6 | 223 | 3 | 220 | 12 | 5.3 | 386 |
| 65 years and over | 1,472 | 118 | 8.0 | 104 | 3 | 101 | 14 | 11.6 | 1,354 |
| 65 to 69 years | 492 | 82 | 16.6 | 71 | 3 | 68 | 11 | 13.2 | 410 |
| 70 years and over | 980 | 38 | 3.7 | 33 | - | 33 | 3 | (¹) | 944 |

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-5. Employment status of the civilian noninstitutional population by race, sex, and age

(Numbers in thousands)

| Employment status and race | Total | | Men, 20 years and over | | Women, 20 years and over | | Both sexes, 16 to 19 years | |
|--|-----------|-----------|------------------------|-----------|--------------------------|-----------|----------------------------|-----------|
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| TOTAL | | | | | | | | |
| Civilian noninstitutional population | 172,511 | 174,440 | 73,774 | 75,012 | 83,035 | 84,224 | 15,702 | 15,204 |
| Civilian labor force | 111,887 | 113,578 | 58,394 | 59,351 | 43,648 | 44,582 | 9,845 | 9,644 |
| Percent of population | 64.9 | 65.1 | 79.2 | 79.1 | 52.6 | 52.9 | 62.7 | 63.4 |
| Employed | 101,177 | 103,167 | 53,516 | 54,586 | 39,631 | 40,843 | 7,830 | 7,737 |
| Agriculture | 3,916 | 3,988 | 2,611 | 2,696 | 688 | 731 | 617 | 561 |
| Nonagricultural industries | 97,262 | 99,179 | 50,905 | 51,890 | 39,143 | 40,112 | 7,213 | 7,177 |
| Unemployed | 10,710 | 10,411 | 4,877 | 4,765 | 3,818 | 3,739 | 2,015 | 1,907 |
| Unemployment rate | 9.6 | 9.2 | 8.4 | 6.0 | 8.7 | 6.4 | 20.5 | 19.8 |
| Not in labor force | 60,624 | 60,862 | 15,381 | 15,681 | 39,386 | 39,642 | 5,857 | 5,560 |
| White | | | | | | | | |
| Civilian noninstitutional population | 149,536 | 151,003 | 64,767 | 65,720 | 71,760 | 72,736 | 13,009 | 12,547 |
| Civilian labor force | 97,361 | 98,649 | 51,566 | 52,248 | 37,241 | 38,022 | 8,553 | 8,379 |
| Percent of population | 65.1 | 65.3 | 79.6 | 79.5 | 51.9 | 52.3 | 65.7 | 66.8 |
| Employed | 89,189 | 90,908 | 47,768 | 48,610 | 34,367 | 35,305 | 7,054 | 6,992 |
| Agriculture | 3,637 | 3,648 | 2,407 | 2,463 | 645 | 668 | 584 | 518 |
| Nonagricultural industries | 85,552 | 87,260 | 45,361 | 46,147 | 33,722 | 34,637 | 6,469 | 6,476 |
| Unemployed | 8,172 | 7,742 | 3,799 | 3,637 | 2,874 | 2,717 | 1,499 | 1,387 |
| Unemployment rate | 8.4 | 7.8 | 7.4 | 7.0 | 7.7 | 7.1 | 17.5 | 16.6 |
| Not in labor force | 52,175 | 52,353 | 13,200 | 13,472 | 34,519 | 34,713 | 4,456 | 4,168 |
| Black | | | | | | | | |
| Civilian noninstitutional population | 18,628 | 16,966 | 7,206 | 7,382 | 9,175 | 9,366 | 2,245 | 2,218 |
| Civilian labor force | 11,639 | 11,997 | 5,383 | 5,609 | 5,210 | 5,347 | 1,046 | 1,041 |
| Percent of population | 62.5 | 63.3 | 74.7 | 76.0 | 58.8 | 57.1 | 48.6 | 46.9 |
| Employed | 9,441 | 9,633 | 4,472 | 4,620 | 4,376 | 4,443 | 594 | 570 |
| Agriculture | 189 | 251 | 143 | 172 | 23 | 40 | 24 | 39 |
| Nonagricultural industries | 9,252 | 9,382 | 4,329 | 4,448 | 4,353 | 4,403 | 570 | 531 |
| Unemployed | 2,197 | 2,364 | 911 | 989 | 834 | 905 | 452 | 471 |
| Unemployment rate | 18.9 | 19.7 | 16.9 | 17.6 | 16.0 | 16.9 | 43.2 | 45.2 |
| Not in labor force | 6,988 | 8,969 | 1,824 | 1,773 | 3,964 | 4,019 | 1,199 | 1,177 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-6. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

| Employment status and major activity | August 1983 | | | | | | | | |
|--|-------------|--------|--------|------------|-------|-------|------------------|------------------|------------------|
| | Total | | | White | | | Black | | |
| | Both sexes | Men | Women | Both sexes | Men | Women | Both sexes | Men | Women |
| TOTAL | | | | | | | | | |
| Civilian noninstitutional population | 23,249 | 11,541 | 11,708 | 19,290 | 9,613 | 9,677 | 3,316 | 1,594 | 1,722 |
| Civilian labor force | 18,078 | 8,463 | 7,616 | 13,686 | 7,274 | 6,612 | 1,828 | 978 | 847 |
| Percent of population | 69.2 | 73.3 | 65.0 | 72.0 | 75.7 | 68.3 | 55.1 | 61.4 | 49.2 |
| Employed | 13,289 | 6,963 | 6,326 | 11,916 | 6,228 | 5,888 | 1,087 | 576 | 511 |
| Agriculture | 785 | 645 | 140 | 714 | 589 | 125 | 60 | 50 | 10 |
| Nonagricultural industries | 12,505 | 6,318 | 6,186 | 11,202 | 5,639 | 5,563 | 1,027 | 527 | 500 |
| Unemployed | 2,789 | 1,499 | 1,290 | 1,970 | 1,046 | 924 | 739 | 402 | 337 |
| Looking for full-time work | 1,967 | 1,096 | 871 | 1,372 | 754 | 618 | 548 | 308 | 240 |
| Looking for part-time work | 822 | 403 | 419 | 598 | 292 | 306 | 191 | 95 | 97 |
| Percent of labor force | 17.3 | 17.7 | 16.9 | 14.2 | 14.4 | 14.0 | 40.5 | 41.1 | 39.7 |
| Not in labor force | 7,171 | 3,079 | 4,092 | 5,404 | 2,338 | 3,065 | 1,490 | 615 | 874 |
| Major activity: Going to school | | | | | | | | | |
| Civilian noninstitutional population | 1,107 | 591 | 515 | 770 | 440 | 330 | 253 | 109 | 144 |
| Civilian labor force | 209 | 134 | 76 | 175 | 116 | 59 | 22 | 12 | 10 |
| Percent of population | 18.9 | 22.6 | 14.7 | 22.7 | 26.3 | 17.9 | 8.7 | 10.8 | 7.1 |
| Employed | 152 | 96 | 56 | 147 | 93 | 55 | 4 | 3 | 1 |
| Agriculture | 3 | 1 | 2 | 3 | 2 | 2 | - | - | - |
| Nonagricultural industries | 149 | 94 | 55 | 144 | 91 | 53 | 4 | 3 | 1 |
| Unemployed | 57 | 36 | 19 | 28 | 23 | 4 | 18 | 9 | 9 |
| Looking for full-time work | 9 | 6 | 3 | - | 1 | - | 10 | 5 | 5 |
| Looking for part-time work | 46 | 32 | 16 | 29 | 22 | 7 | 6 | 4 | 4 |
| Percent of labor force | 27.3 | 26.4 | 25.5 | 15.8 | 20.0 | 7.5 | (¹) | (¹) | (¹) |
| Not in labor force | 897 | 458 | 440 | 595 | 324 | 271 | 231 | 97 | 134 |
| Major activity: Other | | | | | | | | | |
| Civilian noninstitutional population | 22,143 | 10,950 | 11,193 | 18,520 | 9,173 | 9,347 | 3,062 | 1,464 | 1,578 |
| Civilian labor force | 15,869 | 8,329 | 7,540 | 13,711 | 7,159 | 6,553 | 1,604 | 967 | 837 |
| Percent of population | 71.7 | 76.1 | 67.4 | 74.0 | 78.0 | 70.1 | 58.9 | 65.1 | 53.1 |
| Employed | 13,137 | 6,866 | 6,270 | 11,769 | 6,136 | 5,833 | 1,083 | 573 | 510 |
| Agriculture | 782 | 644 | 136 | 711 | 588 | 124 | 60 | 49 | 11 |
| Nonagricultural industries | 12,356 | 6,224 | 6,132 | 11,058 | 5,548 | 5,510 | 1,023 | 524 | 499 |
| Unemployed | 2,731 | 1,461 | 1,270 | 1,942 | 1,023 | 919 | 721 | 393 | 328 |
| Looking for full-time work | 1,958 | 1,090 | 868 | 1,373 | 753 | 620 | 538 | 303 | 235 |
| Looking for part-time work | 774 | 371 | 402 | 569 | 270 | 299 | 183 | 91 | 93 |
| Percent of labor force | 17.2 | 17.5 | 16.8 | 14.2 | 14.3 | 14.0 | 40.0 | 40.6 | 39.1 |
| Not in labor force | 6,274 | 2,621 | 3,653 | 4,808 | 2,014 | 2,794 | 1,259 | 516 | 741 |

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

| Veteran status and age | Civilian noninstitutional population | | Civilian labor force | | | | | | | |
|--------------------------------|--------------------------------------|-----------|----------------------|-----------|-----------|-----------|------------|-----------|------------------------|-----------|
| | Aug. 1982 | Aug. 1983 | Total | | Employed | | Unemployed | | | |
| | | | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Number | | Percent of labor force | |
| | | | | | | | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| VETERANS | | | | | | | | | | |
| Total, 25 years and over | 8,704 | 7,850 | 8,209 | 7,353 | 7,587 | 8,799 | 822 | 554 | 7.6 | 7.5 |
| 25 to 39 years | 7,109 | 5,814 | 6,824 | 5,565 | 6,263 | 5,118 | 581 | 447 | 8.2 | 8.0 |
| 25 to 29 years | 1,177 | 852 | 1,117 | 818 | 968 | 546 | 149 | 72 | 13.3 | 11.7 |
| 30 to 34 years | 2,882 | 2,099 | 2,757 | 2,007 | 2,538 | 1,813 | 219 | 194 | 7.9 | 9.7 |
| 35 to 39 years | 3,050 | 3,063 | 2,950 | 2,940 | 2,757 | 2,759 | 193 | 181 | 6.5 | 6.2 |
| 40 years and over | 1,595 | 2,036 | 1,365 | 1,788 | 1,324 | 1,681 | 61 | 107 | 4.4 | 6.0 |
| NONVETERANS | | | | | | | | | | |
| Total, 25 to 39 years | 18,337 | 20,133 | 17,384 | 18,984 | 15,807 | 17,416 | 1,577 | 1,568 | 9.1 | 8.3 |
| 25 to 29 years | 8,204 | 8,729 | 7,759 | 8,198 | 6,924 | 7,421 | 835 | 777 | 10.8 | 9.5 |
| 30 to 34 years | 8,031 | 6,854 | 5,720 | 8,494 | 5,287 | 6,011 | 433 | 483 | 7.8 | 7.4 |
| 35 to 39 years | 4,102 | 4,550 | 3,905 | 4,292 | 3,596 | 3,984 | 309 | 308 | 7.9 | 7.2 |

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

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

(Numbers in thousands)

| Sex, age, and race | August 1983 | | | | | | | | |
|---------------------------------------|-----------------------|-------------------------------------|---|---|--|-----------------------|--|---|--|
| | Full-time labor force | | | | | Part-time labor force | | | |
| | Total | Employed | | Unemployed (looking for full-time work) | | Total | Employed on voluntary part time ¹ | Unemployed (looking for part-time work) | |
| | | Full-time schedules ¹ | Part time for economic reasons | Number | Percent of full-time labor force | | | Number | Percent of part-time labor force |
| TOTAL | | | | | | | | | |
| Total, 16 years and over | 99,563 | 83,868 | 6,811 | 8,884 | 8.9 | 14,015 | 12,488 | 1,527 | 10.9 |
| 16 to 19 years | 6,585 | 3,631 | 1,746 | 1,208 | 18.3 | 3,059 | 2,381 | 899 | 22.8 |
| 16 to 17 years | 2,030 | 954 | 753 | 323 | 15.9 | 1,813 | 1,352 | 461 | 25.4 |
| 18 to 19 years | 4,555 | 2,677 | 993 | 885 | 19.4 | 1,247 | 1,009 | 238 | 19.1 |
| 20 years and over | 92,978 | 80,237 | 5,065 | 7,676 | 8.3 | 10,956 | 10,128 | 828 | 7.6 |
| 20 to 24 years | 14,934 | 11,371 | 1,515 | 2,047 | 13.7 | 1,819 | 1,574 | 245 | 13.5 |
| 25 years and over | 78,044 | 68,866 | 3,550 | 5,629 | 7.2 | 9,137 | 8,554 | 582 | 6.4 |
| 25 to 54 years | 66,054 | 58,044 | 2,968 | 5,042 | 7.6 | 6,254 | 5,803 | 451 | 7.2 |
| 55 years and over | 11,990 | 10,822 | 582 | 587 | 4.9 | 2,883 | 2,751 | 132 | 4.6 |
| Men, 16 years and over | 60,288 | 51,797 | 3,287 | 5,204 | 8.6 | 4,146 | 3,561 | 585 | 14.1 |
| 16 to 19 years | 3,657 | 2,109 | 870 | 677 | 18.5 | 1,426 | 1,079 | 347 | 24.4 |
| 20 years and over | 56,631 | 49,687 | 2,417 | 4,527 | 8.0 | 2,720 | 2,482 | 238 | 8.7 |
| 20 to 24 years | 8,395 | 6,459 | 758 | 1,179 | 14.0 | 655 | 548 | 108 | 16.4 |
| 25 years and over | 48,236 | 43,228 | 1,659 | 3,349 | 6.9 | 2,065 | 1,934 | 130 | 6.3 |
| 25 to 54 years | 40,492 | 36,153 | 1,372 | 2,967 | 7.3 | 877 | 811 | 66 | 7.5 |
| 55 years and over | 7,744 | 7,075 | 287 | 382 | 4.9 | 1,188 | 1,124 | 64 | 5.4 |
| Women, 16 years and over | 39,275 | 32,071 | 3,524 | 3,680 | 9.4 | 9,869 | 8,927 | 941 | 9.5 |
| 16 to 19 years | 2,928 | 1,521 | 876 | 531 | 18.1 | 1,633 | 1,282 | 351 | 21.5 |
| 20 years and over | 36,347 | 30,550 | 2,648 | 3,149 | 8.7 | 8,235 | 7,645 | 590 | 7.2 |
| 20 to 24 years | 6,539 | 4,912 | 758 | 869 | 13.3 | 1,164 | 1,026 | 138 | 11.8 |
| 25 years and over | 29,809 | 25,638 | 1,891 | 2,281 | 7.7 | 7,072 | 6,619 | 452 | 6.4 |
| 25 to 54 years | 25,562 | 21,891 | 1,597 | 2,075 | 8.1 | 5,377 | 4,992 | 384 | 7.1 |
| 55 years and over | 4,247 | 3,746 | 294 | 205 | 4.8 | 1,695 | 1,626 | 68 | 4.0 |
| White | | | | | | | | | |
| Men, 16 years and over | 53,027 | 46,393 | 2,688 | 3,946 | 7.4 | 3,614 | 3,190 | 424 | 11.7 |
| 16 to 19 years | 3,152 | 1,927 | 749 | 476 | 15.1 | 1,242 | 985 | 257 | 20.7 |
| 20 years and over | 49,876 | 44,466 | 1,940 | 3,471 | 7.0 | 2,372 | 2,205 | 167 | 7.0 |
| 20 to 24 years | 7,268 | 5,814 | 607 | 848 | 11.7 | 556 | 476 | 79 | 14.2 |
| 25 years and over | 42,607 | 38,651 | 1,332 | 2,622 | 6.2 | 1,814 | 1,727 | 88 | 4.9 |
| 25 to 54 years | 35,618 | 32,201 | 1,094 | 2,321 | 6.5 | 732 | 691 | 42 | 5.7 |
| 55 years and over | 6,989 | 6,450 | 238 | 302 | 4.3 | 1,082 | 1,036 | 46 | 4.3 |
| Women, 16 years and over | 33,077 | 27,523 | 2,938 | 2,617 | 7.9 | 8,931 | 8,176 | 755 | 8.5 |
| 16 to 19 years | 2,543 | 1,360 | 788 | 395 | 15.5 | 1,442 | 1,183 | 259 | 18.0 |
| 20 years and over | 30,534 | 26,163 | 2,149 | 2,222 | 7.3 | 7,488 | 6,993 | 496 | 6.6 |
| 20 to 24 years | 5,617 | 4,404 | 634 | 579 | 10.3 | 1,022 | 919 | 103 | 10.1 |
| 25 years and over | 24,917 | 21,760 | 1,515 | 1,642 | 6.6 | 6,466 | 6,074 | 393 | 6.1 |
| 25 to 54 years | 21,225 | 18,463 | 1,275 | 1,487 | 7.0 | 4,927 | 4,593 | 334 | 6.8 |
| 55 years and over | 3,692 | 3,296 | 240 | 155 | 4.2 | 1,539 | 1,481 | 59 | 3.8 |
| Black | | | | | | | | | |
| Men, 16 years and over | 5,741 | 4,129 | 502 | 1,110 | 19.3 | 423 | 286 | 137 | 32.4 |
| 16 to 19 years | 408 | 132 | 98 | 178 | 43.6 | 147 | 67 | 81 | 54.8 |
| 20 years and over | 5,333 | 3,997 | 404 | 932 | 17.5 | 276 | 219 | 57 | 20.5 |
| 20 to 24 years | 953 | 509 | 132 | 312 | 32.8 | 87 | 64 | 24 | 26.9 |
| 25 years and over | 4,380 | 3,487 | 272 | 619 | 14.1 | 189 | 155 | 34 | 18.0 |
| 25 to 54 years | 3,790 | 3,007 | 228 | 554 | 14.6 | 102 | 83 | 19 | 18.6 |
| 55 years and over | 590 | 480 | 44 | 65 | 11.0 | 87 | 72 | 15 | 17.2 |
| Women, 16 years and over | 5,123 | 3,662 | 504 | 957 | 18.7 | 709 | 550 | 160 | 22.5 |
| 16 to 19 years | 331 | 128 | 74 | 129 | 39.0 | 154 | 71 | 83 | 54.0 |
| 20 years and over | 4,792 | 3,534 | 430 | 828 | 17.3 | 555 | 479 | 77 | 13.8 |
| 20 to 24 years | 799 | 421 | 109 | 269 | 33.7 | 102 | 77 | 26 | 25.2 |
| 25 years and over | 3,994 | 3,114 | 321 | 537 | 13.4 | 453 | 402 | 50 | 11.0 |
| 25 to 54 years | 3,524 | 2,738 | 271 | 516 | 14.6 | 316 | 274 | 42 | 13.3 |
| 55 years and over | 470 | 376 | 50 | 21 | 4.4 | 137 | 128 | 8 | 5.8 |

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Family relationship | August 1983 | | | | | | | | | |
|---|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
| | 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 | 113,578 | 65.1 | 103,167 | 10,411 | 9.2 | 60,862 | 32,308 | 1,771 | 2,543 | 24,240 |
| Husbands | 39,930 | 79.7 | 37,695 | 2,235 | 5.6 | 10,148 | 143 | 91 | 660 | 9,054 |
| With employed wife | 21,980 | 91.7 | 20,889 | 1,091 | 5.0 | 1,985 | 52 | 50 | 289 | 1,595 |
| With unemployed wife | 1,740 | 93.2 | 1,473 | 267 | 15.3 | 127 | - | 1 | 24 | 102 |
| With wife not in labor force | 16,211 | 66.9 | 15,333 | 878 | 5.4 | 8,035 | 90 | 40 | 547 | 7,357 |
| Wives | 25,832 | 51.6 | 23,965 | 1,867 | 7.2 | 24,245 | 21,069 | 167 | 244 | 2,766 |
| With employed husband | 22,362 | 59.3 | 20,889 | 1,473 | 6.6 | 15,333 | 13,746 | 138 | 69 | 1,390 |
| With unemployed husband | 1,358 | 60.7 | 1,091 | 267 | 19.6 | 878 | 807 | 7 | 4 | 59 |
| With husband not in labor force | 2,113 | 20.8 | 1,985 | 127 | 6.0 | 8,035 | 6,516 | 22 | 171 | 1,327 |
| Relatives in married-couple families | 15,930 | 70.2 | 13,475 | 2,456 | 15.4 | 6,752 | 1,163 | 826 | 301 | 4,462 |
| 16 to 19 years | 6,732 | 64.7 | 5,605 | 1,128 | 16.7 | 3,666 | 294 | 411 | 13 | 2,949 |
| 20 to 24 years | 8,170 | 83.0 | 5,320 | 850 | 13.8 | 1,264 | 233 | 336 | 31 | 664 |
| 25 years and over | 3,028 | 62.4 | 2,550 | 478 | 15.8 | 1,822 | 836 | 79 | 257 | 849 |
| Women who maintain families | 5,732 | 58.8 | 5,051 | 681 | 11.9 | 4,011 | 3,027 | 82 | 156 | 745 |
| Relatives in families maintained by women | 5,431 | 82.0 | 4,164 | 1,247 | 23.0 | 3,324 | 965 | 224 | 277 | 1,858 |
| 16 to 19 years | 1,625 | 57.0 | 1,118 | 507 | 31.2 | 1,226 | 193 | 106 | 7 | 920 |
| 20 to 24 years | 1,747 | 77.0 | 1,321 | 426 | 24.4 | 522 | 150 | 87 | 20 | 264 |
| 25 years and over | 2,059 | 56.6 | 1,745 | 314 | 15.3 | 1,576 | 622 | 31 | 250 | 674 |
| Men who maintain families | 1,784 | 74.3 | 1,622 | 161 | 9.0 | 616 | 34 | 22 | 50 | 509 |
| Relatives in families maintained by men | 1,670 | 64.7 | 1,364 | 306 | 18.3 | 912 | 410 | 82 | 46 | 373 |
| 16 to 19 years | 379 | 65.6 | 269 | 109 | 28.9 | 198 | 36 | 33 | - | 130 |
| 20 to 24 years | 480 | 81.2 | 394 | 86 | 17.9 | 111 | 40 | 34 | - | 37 |
| 25 years and over | 811 | 57.4 | 701 | 111 | 13.7 | 603 | 334 | 15 | 46 | 206 |
| Persons living alone | 10,271 | 52.8 | 9,512 | 759 | 7.4 | 9,179 | 4,915 | 106 | 487 | 3,672 |
| Men | 5,474 | 72.0 | 4,977 | 498 | 9.1 | 2,125 | 132 | 75 | 204 | 1,715 |
| Women | 4,797 | 40.5 | 4,535 | 261 | 5.4 | 7,054 | 4,763 | 31 | 283 | 1,957 |
| All others ¹ | 6,998 | 80.7 | 6,299 | 699 | 10.0 | 1,675 | 582 | 171 | 122 | 801 |

¹ The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in

the Armed Forces, persons in secondary families, and some whose family status is unknown.

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

| Marital status, race, and age | Men | | | | Women | | | |
|---------------------------------------|----------------------|-----------|--------------------|-----------|----------------------|-----------|--------------------|-----------|
| | Thousands of persons | | Unemployment rates | | Thousands of persons | | Unemployment rates | |
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| Total, 18 years and over | 5,941 | 5,790 | 9.3 | 9.0 | 4,769 | 4,821 | 9.9 | 9.4 |
| Married, spouse present | 2,587 | 2,366 | 6.3 | 5.8 | 2,021 | 1,982 | 7.9 | 7.5 |
| Widowed, divorced, or separated | 609 | 879 | 11.0 | 11.9 | 918 | 878 | 9.9 | 9.5 |
| Single (never married) | 2,764 | 2,745 | 16.2 | 15.5 | 1,830 | 1,781 | 13.7 | 13.1 |
| White, 18 years and over | 4,810 | 4,370 | 6.2 | 7.7 | 3,582 | 3,371 | 8.6 | 8.0 |
| Married, spouse present | 2,135 | 1,937 | 5.8 | 5.2 | 1,729 | 1,650 | 7.6 | 7.1 |
| Widowed, divorced, or separated | 461 | 509 | 10.1 | 10.8 | 669 | 611 | 8.9 | 8.2 |
| Single (never married) | 2,013 | 1,925 | 13.9 | 12.9 | 1,184 | 1,111 | 10.5 | 9.9 |
| Black, 18 years and over | 1,134 | 1,247 | 19.1 | 20.2 | 1,063 | 1,117 | 18.6 | 19.1 |
| Married, spouse present | 336 | 344 | 11.3 | 11.5 | 236 | 259 | 11.1 | 11.8 |
| Widowed, divorced, or separated | 133 | 151 | 15.7 | 17.6 | 224 | 239 | 13.9 | 15.1 |
| Single (never married) | 665 | 752 | 31.7 | 32.4 | 603 | 619 | 30.7 | 30.0 |
| Total, 25 years and over | 3,532 | 3,479 | 7.1 | 6.9 | 2,744 | 2,733 | 7.6 | 7.4 |
| Married, spouse present | 2,282 | 2,094 | 5.9 | 5.4 | 1,596 | 1,565 | 7.0 | 6.7 |
| Widowed, divorced, or separated | 555 | 640 | 10.5 | 11.8 | 788 | 782 | 9.0 | 8.7 |
| Single (never married) | 714 | 744 | 12.0 | 11.8 | 361 | 406 | 8.1 | 8.7 |
| White, 25 years and over | 2,769 | 2,710 | 6.3 | 6.1 | 2,099 | 2,035 | 6.9 | 6.5 |
| Married, spouse present | 1,868 | 1,895 | 5.4 | 4.9 | 1,380 | 1,320 | 6.8 | 6.4 |
| Widowed, divorced, or separated | 415 | 478 | 9.6 | 10.7 | 558 | 520 | 8.0 | 7.4 |
| Single (never married) | 486 | 538 | 9.7 | 10.3 | 182 | 195 | 5.3 | 5.5 |
| Black, 25 years and over | 638 | 653 | 14.5 | 14.3 | 554 | 610 | 13.0 | 13.7 |
| Married, spouse present | 304 | 321 | 10.6 | 11.3 | 186 | 193 | 9.8 | 9.6 |
| Widowed, divorced, or separated | 127 | 143 | 15.5 | 17.3 | 210 | 219 | 13.6 | 14.3 |
| Single (never married) | 207 | 190 | 26.5 | 21.3 | 160 | 198 | 19.3 | 21.7 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by occupation and sex

| Occupation | Thousands of persons | | Unemployment rates | | | | | |
|---|----------------------|-----------|--------------------|-----------|------------------|------------------|------------------|------------------|
| | Total | | Total | | Men | | Women | |
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| Total, 16 years and over | 10,710 | 10,411 | 9.8 | 9.2 | 9.3 | 9.0 | 9.9 | 9.4 |
| Managerial and professional specialty | 888 | 819 | 3.8 | 3.4 | (¹) | 2.9 | (¹) | 4.2 |
| Executive, administrative, and managerial | 402 | 319 | 3.6 | 2.9 | (¹) | 2.4 | (¹) | 3.8 |
| Professional specialty | 486 | 500 | 3.9 | 3.9 | (¹) | 3.4 | (¹) | 4.5 |
| Technical, sales, and administrative support | 2,004 | 2,169 | 6.0 | 6.4 | (¹) | 5.3 | (¹) | 8.9 |
| Technicians and related support | 119 | 171 | 3.6 | 5.2 | (¹) | 6.0 | (¹) | 4.4 |
| Sales occupations | 712 | 859 | 5.8 | 6.6 | (¹) | 4.3 | (¹) | 8.9 |
| Administrative support, including clerical | 1,174 | 1,140 | 6.6 | 6.4 | (¹) | 8.9 | (¹) | 6.3 |
| Service occupations | 1,682 | 1,660 | 10.8 | 10.3 | (¹) | 9.6 | (¹) | 10.7 |
| Private household | 71 | 91 | 6.2 | 8.2 | (¹) | (²) | (¹) | 8.4 |
| Protective service | 93 | 111 | 5.4 | 5.7 | (¹) | 5.3 | (¹) | 8.4 |
| Service, except private household and protective | 1,518 | 1,456 | 12.0 | 11.1 | (¹) | 11.2 | (¹) | 11.1 |
| Precision production, craft, and repair | 1,289 | 1,305 | 9.6 | 9.3 | (¹) | 9.1 | (¹) | 11.1 |
| Mechanics and repairers | 314 | 330 | 7.3 | 7.2 | (¹) | 7.3 | (¹) | 5.1 |
| Construction trades | 597 | 554 | 12.6 | 10.7 | (¹) | 10.7 | (¹) | 10.4 |
| Other precision production, craft, and repair | 379 | 421 | 8.7 | 9.6 | (¹) | 8.9 | (¹) | 12.1 |
| Operators, fabricators, and laborers | 3,144 | 2,650 | 15.8 | 13.8 | (¹) | 13.5 | (¹) | 14.9 |
| Machine operators, assemblers, and inspectors | 1,585 | 1,313 | 16.8 | 14.2 | (¹) | 13.6 | (¹) | 15.2 |
| Transportation and material moving occupations | 623 | 468 | 12.9 | 10.0 | (¹) | 10.1 | (¹) | 9.0 |
| Handlers, equipment cleaners, helpers, and laborers | 936 | 868 | 16.6 | 16.5 | (¹) | 16.7 | (¹) | 15.7 |
| Construction laborers | 199 | 181 | 24.0 | 21.2 | (¹) | 20.6 | (¹) | (²) |
| Other handlers, equipment cleaners, helpers, and laborers | 738 | 687 | 15.3 | 15.6 | (¹) | 15.7 | (¹) | 14.9 |
| Farming, forestry, and fishing | 319 | 408 | 6.6 | 8.3 | (¹) | 7.6 | (¹) | 10.7 |
| No previous work experience | 1,401 | 1,325 | - | - | - | - | - | - |
| 16 to 19 years | 1,052 | 975 | - | - | - | - | - | - |
| 20 to 24 years | 235 | 228 | - | - | - | - | - | - |
| 25 years and over | 114 | 121 | - | - | - | - | - | - |

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

² Data not shown where base is less than 75,000.

NOTE: Persons whose last job was in the Armed Forces are included in the unemployed total.

A-12. Unemployed persons by industry and sex

| Industry | Thousands of persons | | Unemployment rates | | | | | |
|--|----------------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | Total | | Total | | Men | | Women | |
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| Total, 18 years and over | 10,710 | 10,411 | 9.6 | 9.2 | 9.3 | 9.0 | 9.9 | 9.4 |
| Nonagricultural private wage and salary workers | 7,976 | 7,684 | 9.7 | 9.2 | 9.9 | 9.2 | 9.4 | 9.1 |
| Mining | 185 | 152 | 14.7 | 13.8 | 18.1 | 15.4 | 6.5 | 8.1 |
| Construction | 834 | 792 | 18.0 | 14.0 | 18.4 | 14.1 | 11.0 | 12.5 |
| Manufacturing | 2,728 | 2,326 | 12.0 | 10.8 | 11.1 | 10.0 | 13.8 | 11.9 |
| Durable goods | 1,794 | 1,450 | 13.3 | 11.3 | 12.5 | 11.1 | 15.4 | 11.9 |
| Lumber and wood products | 97 | 80 | 14.5 | 11.6 | 12.5 | 11.0 | 24.9 | 15.6 |
| Furniture and fixtures | 70 | 57 | 13.7 | 11.0 | 13.7 | 11.0 | 13.5 | 10.8 |
| Stone, clay, and glass products | 64 | 63 | 10.3 | 10.8 | 10.2 | 9.8 | 10.6 | 12.9 |
| Primary metal industries | 252 | 155 | 21.8 | 16.3 | 21.0 | 15.8 | 28.5 | 21.1 |
| Fabricated metal products | 219 | 218 | 15.4 | 15.8 | 14.4 | 14.9 | 18.7 | 17.9 |
| Machinery, except electrical | 383 | 333 | 12.8 | 12.4 | 12.8 | 12.6 | 12.8 | 11.7 |
| Electrical machinery, equipment, and supplies | 253 | 210 | 9.7 | 9.0 | 5.9 | 6.8 | 14.5 | 11.9 |
| Transportation equipment | 336 | 242 | 15.6 | 9.9 | 14.0 | 9.9 | 23.2 | 10.2 |
| Automobiles | 217 | 123 | 21.8 | 10.6 | 19.1 | 10.3 | 35.2 | 12.4 |
| Other transportation equipment | 118 | 119 | 10.3 | 9.3 | 9.4 | 9.5 | 14.0 | 8.8 |
| Professional and photographic equipment | 61 | 35 | 8.7 | 4.8 | 8.1 | 4.4 | 9.5 | 5.4 |
| Other durable goods industries | 81 | 56 | 10.2 | 10.8 | 9.2 | 11.9 | 11.9 | 9.7 |
| Nondurable goods | 931 | 876 | 10.1 | 9.7 | 8.4 | 8.0 | 12.3 | 11.9 |
| Food and kindred products | 210 | 261 | 10.4 | 13.1 | 9.9 | 10.9 | 11.3 | 17.6 |
| Textile mill products | 114 | 76 | 15.0 | 9.4 | 13.1 | 7.2 | 17.0 | 11.8 |
| Apparel and other textile products | 196 | 150 | 14.5 | 11.5 | 10.3 | 11.6 | 15.7 | 11.5 |
| Paper and allied products | 41 | 46 | 5.4 | 6.2 | 4.7 | 6.0 | 8.0 | 6.6 |
| Printing and publishing | 127 | 110 | 7.8 | 8.6 | 8.2 | 5.8 | 7.2 | 7.6 |
| Chemicals and allied products | 94 | 84 | 7.2 | 7.0 | 5.6 | 6.5 | 11.1 | 7.9 |
| Rubber and miscellaneous plastics products | 70 | 77 | 9.4 | 9.9 | 8.9 | 7.7 | 10.1 | 14.5 |
| Other nondurable goods industries | 78 | 73 | 11.7 | 12.7 | 8.8 | 8.8 | 16.0 | 18.5 |
| Transportation and public utilities | 398 | 432 | 8.8 | 7.6 | 7.0 | 8.3 | 6.1 | 5.4 |
| Transportation | 331 | 332 | 10.1 | 8.5 | 10.2 | 9.2 | 9.8 | 5.9 |
| Communications and other public utilities | 67 | 101 | 2.6 | 4.0 | 2.1 | 3.9 | 3.5 | 4.0 |
| Wholesale and retail trade | 2,020 | 2,018 | 9.5 | 9.3 | 8.5 | 8.1 | 10.6 | 10.6 |
| Wholesale trade | 302 | 309 | 7.0 | 7.0 | 6.0 | 6.8 | 9.8 | 7.5 |
| Retail trade | 1,717 | 1,709 | 10.1 | 9.8 | 9.4 | 8.6 | 10.7 | 11.0 |
| Finance, insurance, and real estate | 315 | 270 | 5.3 | 4.3 | 4.7 | 3.7 | 5.7 | 4.7 |
| Service industries | 1,519 | 1,693 | 7.4 | 7.9 | 8.0 | 7.8 | 7.1 | 8.0 |
| Professional services | 683 | 722 | 5.8 | 6.0 | 5.5 | 5.4 | 5.9 | 6.3 |
| Other service industries | 856 | 971 | 9.6 | 10.4 | 10.0 | 9.7 | 9.1 | 11.0 |
| Agricultural wage and salary workers | 250 | 275 | 11.9 | 12.1 | 10.4 | 11.4 | 17.2 | 14.7 |
| Government, self-employed, and unpaid family workers | 1,083 | 1,128 | 4.2 | 4.3 | 3.4 | 4.0 | 5.3 | 4.7 |
| No previous work experience | 1,401 | 1,325 | - | - | - | - | - | - |

NOTE: Data for 1982 are not fully comparable with 1983 data as a result of revisions in industrial classifications in 1983.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Reason for unemployment | Total unemployed | | Men, 20 years and over | | Women, 20 years and over | | Both sexes, 16 to 19 years | | White | | Black | |
|--|------------------|-----------|------------------------|-----------|--------------------------|-----------|----------------------------|-----------|-----------|-----------|-----------|-----------|
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| NUMBER OF UNEMPLOYED | | | | | | | | | | | | |
| Total unemployed | 10,710 | 10,411 | 4,877 | 4,765 | 3,818 | 3,739 | 2,015 | 1,907 | 6,172 | 7,742 | 2,197 | 2,364 |
| Job losers | 6,042 | 5,793 | 3,765 | 3,584 | 1,653 | 1,839 | 424 | 370 | 4,741 | 4,417 | 1,260 | 1,322 |
| On layoff | 2,010 | 1,492 | 1,272 | 926 | 629 | 491 | 109 | 75 | 1,675 | 1,242 | 269 | 227 |
| Other job losers | 4,032 | 4,301 | 2,493 | 2,658 | 1,224 | 1,348 | 315 | 295 | 3,066 | 3,175 | 971 | 1,095 |
| Job leavers | 912 | 863 | 340 | 345 | 445 | 396 | 127 | 123 | 742 | 733 | 25 | 16 |
| Reentrants | 2,364 | 2,431 | 635 | 700 | 1,310 | 1,291 | 419 | 441 | 1,774 | 1,709 | 495 | 629 |
| New entrants | 1,393 | 1,323 | 138 | 137 | 210 | 213 | 1,045 | 974 | 914 | 882 | 417 | 397 |
| PERCENT DISTRIBUTION | | | | | | | | | | | | |
| 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 | 56.4 | 55.6 | 77.2 | 75.2 | 48.6 | 49.1 | 21.0 | 19.4 | 58.0 | 57.0 | 57.4 | 55.9 |
| On layoff | 18.8 | 14.3 | 26.1 | 19.4 | 16.5 | 13.1 | 5.4 | 3.9 | 20.5 | 16.0 | 13.2 | 9.6 |
| Other job losers | 37.6 | 41.3 | 51.1 | 55.8 | 32.1 | 36.0 | 15.6 | 15.5 | 37.5 | 41.0 | 44.2 | 46.3 |
| Job leavers | 8.5 | 8.3 | 7.0 | 7.2 | 11.7 | 10.6 | 6.3 | 6.4 | 9.1 | 9.5 | 1.1 | .7 |
| Reentrants | 22.1 | 23.4 | 13.0 | 14.7 | 34.3 | 34.5 | 20.8 | 23.1 | 21.7 | 22.1 | 22.5 | 26.6 |
| New entrants | 13.0 | 12.7 | 2.8 | 2.9 | 5.5 | 5.7 | 51.9 | 51.1 | 11.2 | 11.4 | 19.0 | 16.8 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE | | | | | | | | | | | | |
| Job losers | 5.4 | 5.1 | 6.5 | 6.1 | 4.2 | 4.1 | 4.3 | 3.9 | 4.8 | 4.5 | 10.8 | 11.0 |
| Job leavers | .8 | .8 | .6 | .6 | 1.0 | .9 | 1.3 | 1.3 | .8 | .7 | .2 | .1 |
| Reentrants | 2.1 | 2.1 | 1.1 | 1.2 | 3.0 | 2.9 | 4.3 | 4.6 | 1.8 | 1.7 | 4.3 | 5.2 |
| New entrants | 1.2 | 1.2 | .2 | .2 | .5 | .5 | 10.6 | 10.1 | .9 | .9 | 3.6 | 3.3 |

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

(Percent distribution)

| Reason, sex, and age | August 1983 | | | | | | |
|----------------------------------|----------------------|---------|--------------------------|---------------|-------------------|----------------|-------------------|
| | Total unemployed | | Duration of unemployment | | | | |
| | Thousands of persons | Percent | Less than 5 weeks | 5 to 14 weeks | 15 weeks and over | | |
| | | | | | Total | 15 to 26 weeks | 27 weeks and over |
| Total, 16 years and over | 10,411 | 100.0 | 33.8 | 31.4 | 34.8 | 10.9 | 23.9 |
| Job losers | 5,793 | 100.0 | 27.4 | 27.1 | 45.5 | 13.4 | 32.2 |
| On layoff | 1,492 | 100.0 | 40.7 | 24.6 | 34.7 | 10.6 | 24.1 |
| Other job losers | 4,301 | 100.0 | 22.7 | 28.0 | 49.3 | 14.3 | 34.9 |
| Job leavers | 863 | 100.0 | 45.5 | 31.5 | 23.0 | 8.5 | 14.6 |
| Reentrants | 2,431 | 100.0 | 44.9 | 31.0 | 24.1 | 8.4 | 15.7 |
| New entrants | 1,323 | 100.0 | 34.1 | 50.5 | 15.4 | 6.1 | 9.3 |
| Men, 20 years and over | 4,765 | 100.0 | 26.8 | 26.0 | 47.1 | 13.3 | 33.8 |
| Job losers | 3,584 | 100.0 | 24.3 | 24.2 | 51.6 | 14.1 | 37.5 |
| On layoff | 926 | 100.0 | 39.4 | 19.9 | 40.6 | 11.1 | 29.5 |
| Other job losers | 2,658 | 100.0 | 19.0 | 25.6 | 55.4 | 15.1 | 40.2 |
| Job leavers | 345 | 100.0 | 40.8 | 28.3 | 31.1 | 9.8 | 21.6 |
| Reentrants | 700 | 100.0 | 33.5 | 30.7 | 35.8 | 11.8 | 24.0 |
| New entrants | 137 | 100.0 | 25.0 | 45.7 | 29.3 | 10.1 | 19.1 |
| Women, 20 years and over | 3,739 | 100.0 | 39.6 | 30.4 | 30.1 | 10.2 | 19.9 |
| Job losers | 1,839 | 100.0 | 27.8 | 32.3 | 40.0 | 13.4 | 26.6 |
| On layoff | 491 | 100.0 | 38.3 | 34.0 | 27.7 | 9.9 | 17.8 |
| Other job losers | 1,348 | 100.0 | 23.9 | 31.7 | 44.4 | 14.6 | 29.6 |
| Job leavers | 398 | 100.0 | 48.3 | 31.8 | 20.0 | 6.5 | 11.5 |
| Reentrants | 1,291 | 100.0 | 53.5 | 28.3 | 20.2 | 6.7 | 13.5 |
| New entrants | 213 | 100.0 | 40.8 | 35.6 | 23.6 | 6.9 | 16.7 |
| Both sexes, 16 to 19 years | 1,907 | 100.0 | 40.0 | 46.6 | 13.4 | 6.1 | 7.2 |
| Job losers | 370 | 100.0 | 55.2 | 30.2 | 14.6 | 6.2 | 8.5 |
| On layoff | 75 | 100.0 | 71.2 | 20.4 | 8.3 | 8.3 | - |
| Other job losers | 295 | 100.0 | 51.1 | 32.7 | 16.2 | 5.5 | 10.7 |
| Job leavers | 123 | 100.0 | 50.1 | 39.7 | 10.2 | 5.4 | 4.9 |
| Reentrants | 441 | 100.0 | 38.0 | 44.9 | 17.1 | 8.2 | 6.9 |
| New entrants | 974 | 100.0 | 33.9 | 54.4 | 11.6 | 5.3 | 6.3 |

A-15. Unemployed persons by duration of unemployment

| Duration of unemployment | Total | | | | Full-time workers | | | |
|---|--------------------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|
| | Thousands of persons | | Percent distribution | | Thousands of persons | | Percent distribution | |
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| | Total, 16 years and over | 10,710 | 10,411 | 100.0 | 100.0 | 9,142 | 8,884 | 100.0 | 100.0 |
| Less than 5 weeks | 3,778 | 3,521 | 35.3 | 33.8 | 3,004 | 2,737 | 32.9 | 30.8 |
| 5 to 14 weeks | 3,624 | 3,265 | 33.8 | 31.4 | 3,018 | 2,708 | 33.0 | 30.5 |
| 5 to 10 weeks | 2,563 | 2,371 | 23.9 | 22.8 | 2,110 | 1,971 | 23.1 | 22.2 |
| 11 to 14 weeks | 1,062 | 894 | 9.9 | 8.6 | 908 | 737 | 9.9 | 8.3 |
| 15 weeks and over | 3,306 | 3,626 | 30.9 | 34.8 | 3,120 | 3,439 | 34.1 | 38.7 |
| 15 to 26 weeks | 1,445 | 1,133 | 13.5 | 10.9 | 1,342 | 1,056 | 14.7 | 11.9 |
| 27 weeks and over | 1,863 | 2,493 | 17.4 | 23.9 | 1,779 | 2,363 | 19.5 | 26.8 |
| 27 to 51 weeks | 1,014 | 1,098 | 9.5 | 10.5 | 982 | 1,045 | 10.7 | 11.8 |
| 52 weeks and over | 849 | 1,394 | 7.9 | 13.4 | 796 | 1,338 | 6.7 | 15.1 |
| Average (mean) duration, in weeks | 15.7 | 19.5 | - | - | 16.8 | 21.3 | - | - |
| Median duration, in weeks | 8.7 | 9.2 | - | - | 9.5 | 10.2 | - | - |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-16. Unemployed persons by sex, age, race, marital status, and duration of unemployment

| Sex, age, race, and marital status | Thousands of persons | | | | | Weeks | | Percent of unemployed in group | | | |
|---------------------------------------|----------------------|-------------------|---------------|----------------|-------------------|-------------------------|------------------|--------------------------------|------------------|------------------------------|------------------|
| | Total | Less than 5 weeks | 5 to 14 weeks | 15 to 26 weeks | 27 weeks and over | Average (mean) duration | Median duration | Unemployed less than 5 weeks | | Unemployed 15 weeks and over | |
| | | | | | | | | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| | August 1983 | | | | | | | | | | |
| Total, 18 years and over | 10,411 | 3,521 | 3,265 | 1,133 | 2,493 | 19.5 | 9.2 | 35.3 | 33.8 | 30.9 | 34.8 |
| 16 to 19 years | 1,907 | 763 | 888 | 117 | 138 | 10.0 | 6.9 | 38.7 | 40.0 | 14.1 | 13.4 |
| 20 to 24 years | 2,293 | 849 | 757 | 239 | 447 | 16.8 | 8.3 | 38.2 | 37.0 | 29.4 | 30.0 |
| 25 to 34 years | 2,934 | 979 | 792 | 346 | 815 | 22.2 | 10.2 | 34.2 | 33.4 | 34.9 | 39.6 |
| 35 to 44 years | 1,552 | 443 | 408 | 211 | 490 | 22.9 | 12.1 | 33.0 | 28.6 | 37.3 | 45.2 |
| 45 to 54 years | 1,006 | 263 | 263 | 139 | 341 | 25.5 | 13.8 | 30.9 | 26.1 | 39.6 | 47.7 |
| 55 to 64 years | 612 | 180 | 122 | 75 | 234 | 29.3 | 15.6 | 31.3 | 29.4 | 41.9 | 50.6 |
| 65 years and over | 107 | 43 | 35 | 2 | 27 | 17.0 | 6.8 | (¹) | 40.3 | (¹) | 27.4 |
| Men, 16 years and over | 5,790 | 1,678 | 1,714 | 699 | 1,698 | 23.0 | 11.0 | 31.1 | 29.0 | 35.5 | 41.4 |
| 16 to 19 years | 1,025 | 400 | 473 | 64 | 87 | 10.8 | 7.2 | 34.5 | 39.0 | 17.1 | 14.8 |
| 20 to 24 years | 1,286 | 389 | 432 | 138 | 327 | 20.3 | 10.1 | 33.0 | 30.2 | 33.0 | 36.2 |
| 25 to 34 years | 1,646 | 461 | 364 | 239 | 582 | 26.9 | 14.9 | 29.8 | 28.0 | 40.3 | 49.8 |
| 35 to 44 years | 847 | 199 | 209 | 130 | 309 | 26.3 | 16.4 | 30.2 | 23.5 | 43.5 | 51.8 |
| 45 to 54 years | 541 | 114 | 132 | 83 | 212 | 28.5 | 18.6 | 27.7 | 21.1 | 42.9 | 54.6 |
| 55 to 64 years | 375 | 85 | 80 | 42 | 168 | 34.5 | 21.4 | 28.5 | 22.6 | 45.7 | 58.0 |
| 65 years and over | 71 | 30 | 24 | 3 | 14 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Women, 16 years and over | 4,821 | 1,842 | 1,551 | 434 | 794 | 15.3 | 7.5 | 40.5 | 39.9 | 25.2 | 26.6 |
| 16 to 19 years | 882 | 363 | 416 | 53 | 50 | 9.1 | 6.6 | 43.4 | 41.2 | 10.6 | 11.7 |
| 20 to 24 years | 1,006 | 460 | 325 | 101 | 121 | 12.3 | 6.1 | 44.7 | 45.7 | 24.9 | 22.0 |
| 25 to 34 years | 1,288 | 518 | 428 | 109 | 234 | 16.2 | 7.5 | 39.9 | 40.2 | 27.9 | 26.6 |
| 35 to 44 years | 706 | 244 | 199 | 81 | 181 | 18.8 | 9.4 | 36.4 | 34.6 | 30.0 | 37.2 |
| 45 to 54 years | 465 | 149 | 131 | 57 | 129 | 22.0 | 10.3 | 34.7 | 32.0 | 35.7 | 39.8 |
| 55 to 64 years | 237 | 95 | 42 | 34 | 66 | 21.2 | 9.5 | 35.9 | 40.2 | 35.6 | 42.2 |
| 65 years and over | 37 | 13 | 11 | - | 13 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| White, 16 years and over | 7,742 | 2,683 | 2,415 | 831 | 1,813 | 19.5 | 9.1 | 36.2 | 34.7 | 30.3 | 34.1 |
| Men | 4,370 | 1,308 | 1,292 | 509 | 1,261 | 22.9 | 10.8 | 31.8 | 29.9 | 35.2 | 40.5 |
| Women | 3,371 | 1,375 | 1,123 | 322 | 551 | 15.0 | 7.3 | 42.0 | 40.8 | 24.0 | 25.9 |
| Black, 16 years and over | 2,364 | 723 | 742 | 275 | 624 | 20.2 | 9.1 | 31.2 | 30.6 | 33.9 | 38.0 |
| Men | 1,247 | 305 | 364 | 178 | 402 | 24.0 | 12.2 | 27.8 | 24.5 | 36.9 | 46.4 |
| Women | 1,117 | 417 | 378 | 99 | 222 | 16.0 | 7.1 | 34.8 | 37.4 | 30.8 | 28.8 |
| Men, 16 years and over: | | | | | | | | | | | |
| Married, spouse present | 2,366 | 627 | 536 | 325 | 879 | 26.9 | 15.8 | 29.1 | 26.5 | 41.6 | 50.9 |
| Widowed, divorced, or separated | 879 | 170 | 158 | 89 | 282 | 28.0 | 16.6 | 31.5 | 25.1 | 39.8 | 51.7 |
| Single (never married) | 2,745 | 881 | 1,020 | 285 | 558 | 18.4 | 9.2 | 32.8 | 32.1 | 28.9 | 30.7 |
| Women, 16 years and over: | | | | | | | | | | | |
| Married, spouse present | 1,962 | 655 | 579 | 191 | 337 | 14.6 | 6.7 | 43.4 | 43.6 | 25.8 | 26.9 |
| Widowed, divorced, or separated | 878 | 276 | 268 | 85 | 248 | 21.3 | 9.8 | 36.7 | 31.5 | 34.1 | 38.0 |
| Single (never married) | 1,781 | 711 | 704 | 157 | 208 | 13.0 | 7.2 | 39.2 | 39.9 | 20.0 | 20.5 |

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

A-17. Unemployed persons by occupation, industry, and duration of unemployment

| Occupation and industry | Thousands of persons | | | | | Weeks | | Percent of unemployed in group | | | |
|--|----------------------|-------------------|---------------|----------------|-------------------|-------------------------|-----------------|--------------------------------|-----------|------------------------------|-----------|
| | Total | Less than 5 weeks | 5 to 14 weeks | 15 to 26 weeks | 27 weeks and over | Average (mean) duration | Median duration | Unemployed less than 5 weeks | | Unemployed 15 weeks and over | |
| | | | | | | | | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| OCCUPATION | | | | | | | | | | | |
| Managerial and professional specialty | 819 | 268 | 277 | 94 | 180 | 18.9 | 9.4 | 36.8 | 32.7 | 27.7 | 33.4 |
| Technical, sales, and administrative support | 2,169 | 789 | 688 | 254 | 459 | 17.0 | 8.3 | 37.5 | 36.4 | 30.8 | 32.9 |
| Service occupations | 1,660 | 626 | 534 | 187 | 312 | 16.9 | 8.1 | 38.5 | 37.7 | 26.4 | 30.1 |
| Precision production, craft, and repair | 1,305 | 389 | 295 | 163 | 459 | 25.0 | 13.7 | 32.9 | 29.8 | 35.6 | 47.7 |
| Operators, fabricators, and laborers | 2,650 | 774 | 660 | 315 | 901 | 25.9 | 12.6 | 31.3 | 29.2 | 40.1 | 45.9 |
| Farming, forestry, and fishing | 408 | 200 | 138 | 23 | 46 | 11.5 | 5.2 | 44.4 | 49.2 | 27.3 | 16.9 |
| INDUSTRY¹ | | | | | | | | | | | |
| Agriculture | 275 | 141 | 102 | 9 | 24 | 9.0 | 4.9 | 47.6 | 51.3 | 22.6 | 11.7 |
| Construction | 828 | 251 | 219 | 101 | 258 | 22.9 | 12.1 | 37.6 | 30.4 | 33.4 | 43.2 |
| Manufacturing | 2,334 | 649 | 554 | 268 | 864 | 27.3 | 14.1 | 30.6 | 27.8 | 40.6 | 48.5 |
| Durable goods | 1,456 | 387 | 302 | 157 | 611 | 30.2 | 18.0 | 28.3 | 26.6 | 43.7 | 52.7 |
| Nondurable goods | 878 | 262 | 252 | 111 | 253 | 22.6 | 11.4 | 35.0 | 29.9 | 34.8 | 41.4 |
| Transportation and public utilities | 484 | 154 | 115 | 54 | 162 | 23.7 | 11.0 | 25.6 | 31.7 | 38.2 | 44.5 |
| Wholesale and retail trade | 2,030 | 736 | 643 | 243 | 409 | 17.0 | 8.6 | 36.2 | 36.2 | 31.2 | 32.1 |
| Finance and service industries | 2,455 | 926 | 768 | 287 | 474 | 16.9 | 8.1 | 39.4 | 37.7 | 26.9 | 31.0 |
| Public administration | 324 | 90 | 114 | 44 | 77 | 22.6 | 10.0 | 31.6 | 27.7 | 37.7 | 37.2 |
| No previous work experience | 1,325 | 453 | 668 | 80 | 123 | 12.0 | 7.8 | 35.8 | 34.2 | 14.4 | 15.4 |

¹ Includes wage and salary workers only.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Unemployed jobseekers by sex, age, race, and jobsearch methods used

| Sex, age, and race | August 1983 | | | | | | | | Average number of methods used |
|---------------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|------------------|--------------------------------|
| | Thousands of persons | | Methods used as a percent of total jobseekers | | | | | Other | |
| | Total unemployed | Total job-seekers | Public employment agency | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives | | |
| Total, 16 years and over | 10,411 | 8,694 | 23.9 | 4.6 | 78.5 | 33.8 | 16.9 | 4.4 | 1.62 |
| 16 to 19 years | 1,907 | 1,798 | 16.7 | .9 | 84.6 | 24.7 | 15.1 | 2.1 | 1.44 |
| 20 to 24 years | 2,293 | 1,977 | 23.3 | 5.1 | 80.4 | 35.0 | 15.0 | 3.3 | 1.62 |
| 25 to 34 years | 2,934 | 2,398 | 28.0 | 5.8 | 74.8 | 36.2 | 17.7 | 4.9 | 1.67 |
| 35 to 44 years | 1,552 | 1,207 | 26.3 | 6.2 | 77.2 | 38.7 | 18.6 | 6.0 | 1.73 |
| 45 to 54 years | 1,006 | 773 | 28.5 | 6.3 | 73.6 | 35.7 | 18.1 | 6.1 | 1.68 |
| 55 to 64 years | 812 | 456 | 20.8 | 4.4 | 77.2 | 36.4 | 19.1 | 8.3 | 1.66 |
| 65 years and over | 107 | 84 | 14.3 | 1.2 | 78.6 | 32.1 | 27.4 | 3.6 | 1.57 |
| Men, 16 years and over | 5,790 | 4,720 | 25.5 | 5.0 | 79.0 | 31.7 | 19.7 | 5.6 | 1.67 |
| 16 to 19 years | 1,025 | 963 | 15.5 | .9 | 84.7 | 22.2 | 18.2 | 2.1 | 1.44 |
| 20 to 24 years | 1,266 | 1,091 | 25.4 | 5.5 | 81.1 | 31.5 | 17.7 | 4.0 | 1.65 |
| 25 to 34 years | 1,646 | 1,285 | 29.4 | 6.5 | 76.3 | 34.3 | 21.8 | 6.4 | 1.74 |
| 35 to 44 years | 847 | 624 | 31.3 | 7.1 | 78.2 | 40.4 | 19.9 | 6.7 | 1.85 |
| 45 to 54 years | 541 | 417 | 31.4 | 6.2 | 73.1 | 33.8 | 19.9 | 7.9 | 1.72 |
| 55 to 64 years | 375 | 282 | 23.8 | 5.0 | 73.8 | 30.5 | 20.9 | 11.3 | 1.65 |
| 65 years and over | 71 | 59 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Women, 16 years and over | 4,621 | 3,974 | 22.0 | 4.2 | 78.0 | 36.4 | 13.4 | 2.9 | 1.57 |
| 16 to 19 years | 882 | 635 | 18.1 | 1.0 | 84.7 | 27.8 | 11.5 | 2.2 | 1.45 |
| 20 to 24 years | 1,006 | 867 | 20.8 | 4.6 | 79.4 | 39.2 | 11.6 | 2.4 | 1.56 |
| 25 to 34 years | 1,268 | 1,113 | 28.4 | 5.1 | 73.0 | 36.4 | 13.3 | 3.2 | 1.59 |
| 35 to 44 years | 706 | 583 | 20.9 | 5.3 | 76.2 | 36.9 | 17.3 | 2.9 | 1.60 |
| 45 to 54 years | 465 | 356 | 25.0 | 6.5 | 74.2 | 37.9 | 15.7 | 3.9 | 1.63 |
| 55 to 64 years | 237 | 174 | 16.1 | 3.4 | 62.8 | 48.6 | 16.1 | 4.0 | 1.69 |
| 65 years and over | 37 | 25 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| White, 16 years and over | 7,742 | 8,292 | 22.7 | 5.4 | 79.3 | 35.6 | 16.9 | 4.8 | 1.65 |
| Men | 4,370 | 3,458 | 25.1 | 6.0 | 80.1 | 32.7 | 19.8 | 6.4 | 1.70 |
| Women | 3,371 | 2,834 | 19.7 | 4.7 | 78.4 | 39.0 | 13.4 | 3.0 | 1.58 |
| Black, 16 years and over | 2,364 | 2,125 | 27.0 | 2.8 | 77.6 | 16.3 | 27.8 | 2.9 | 1.54 |
| Men | 1,247 | 1,108 | 26.1 | 2.7 | 78.2 | 19.5 | 27.6 | 3.2 | 1.57 |
| Women | 1,117 | 1,017 | 27.9 | 2.9 | 77.0 | 12.8 | 27.9 | 2.7 | 1.51 |

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new 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.

A-19. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

| Sex and reason | August 1983 | | | | | | | | Average number of methods used |
|--------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|-------|--------------------------------|
| | Thousands of persons | | Methods used as a percent of total jobseekers | | | | | Other | |
| | Total unemployed | Total job-seekers | Public employment agency | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives | | |
| Total, 16 years and over | 10,411 | 8,694 | 23.9 | 4.6 | 78.5 | 33.8 | 16.9 | 4.4 | 1.62 |
| Job losers ¹ | 5,793 | 4,291 | 29.6 | 5.8 | 78.7 | 36.6 | 19.0 | 5.2 | 1.75 |
| Job leavers | 863 | 838 | 20.3 | 4.9 | 80.0 | 36.2 | 14.1 | 3.9 | 1.59 |
| Reentrants | 2,431 | 2,274 | 19.2 | 4.6 | 73.6 | 33.2 | 14.5 | 4.7 | 1.50 |
| New entrants | 1,323 | 1,291 | 15.5 | .5 | 85.5 | 24.0 | 15.8 | 1.5 | 1.43 |
| Men, 18 years and over | 5,790 | 4,720 | 25.5 | 5.0 | 79.0 | 31.7 | 19.7 | 5.6 | 1.67 |
| Job losers ¹ | 3,804 | 2,832 | 30.2 | 5.6 | 78.4 | 33.5 | 20.6 | 6.4 | 1.75 |
| Job leavers | 404 | 389 | 19.5 | 7.2 | 80.2 | 40.1 | 20.1 | 3.6 | 1.71 |
| Reentrants | 934 | 864 | 19.9 | 5.6 | 74.7 | 28.7 | 18.4 | 6.8 | 1.54 |
| New entrants | 648 | 635 | 15.9 | .6 | 86.8 | 22.8 | 17.3 | 2.0 | 1.46 |
| Women, 16 years and over | 4,621 | 3,974 | 22.0 | 4.2 | 78.0 | 36.4 | 13.4 | 2.9 | 1.57 |
| Job losers ¹ | 1,989 | 1,459 | 28.5 | 6.2 | 79.4 | 42.7 | 15.8 | 2.7 | 1.75 |
| Job leavers | 460 | 449 | 20.9 | 3.1 | 79.7 | 32.7 | 8.7 | 4.2 | 1.49 |
| Reentrants | 1,497 | 1,409 | 18.8 | 4.2 | 73.0 | 36.2 | 12.1 | 3.5 | 1.48 |
| New entrants | 675 | 656 | 15.1 | .3 | 84.3 | 25.2 | 14.5 | 1.1 | 1.40 |

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-20. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

| Industry and age | Total | | Men | | Women | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| All industries | 101,177 | 103,167 | 57,644 | 58,645 | 43,533 | 44,522 |
| 16 to 19 years | 7,830 | 7,737 | 4,127 | 4,059 | 3,703 | 3,679 |
| 16 to 17 years | 3,139 | 3,059 | 1,697 | 1,642 | 1,443 | 1,417 |
| 18 to 19 years | 4,691 | 4,679 | 2,431 | 2,417 | 2,260 | 2,262 |
| 20 to 24 years | 14,277 | 14,461 | 7,593 | 7,764 | 6,684 | 6,896 |
| 25 to 54 years | 64,633 | 66,815 | 37,430 | 38,335 | 27,403 | 28,479 |
| 25 to 34 years | 28,140 | 28,903 | 16,131 | 16,456 | 12,008 | 12,448 |
| 35 to 44 years | 20,858 | 21,996 | 12,040 | 12,632 | 6,818 | 9,364 |
| 45 to 54 years | 15,835 | 15,915 | 9,258 | 9,248 | 6,577 | 6,668 |
| 55 to 64 years | 11,397 | 11,260 | 6,774 | 6,702 | 4,623 | 4,558 |
| 55 to 59 years | 7,033 | 6,808 | 4,181 | 4,098 | 2,852 | 2,711 |
| 60 to 64 years | 4,363 | 4,452 | 2,592 | 2,605 | 1,771 | 1,847 |
| 65 years and over | 2,841 | 2,894 | 1,720 | 1,784 | 1,121 | 1,110 |
| Agriculture | 3,916 | 3,988 | 3,115 | 3,155 | 601 | 833 |
| 16 to 19 years | 617 | 561 | 504 | 459 | 113 | 102 |
| 16 to 17 years | 308 | 290 | 255 | 244 | 53 | 46 |
| 18 to 19 years | 309 | 270 | 248 | 215 | 60 | 56 |
| 20 to 24 years | 540 | 549 | 430 | 449 | 111 | 101 |
| 25 to 54 years | 1,946 | 2,059 | 1,504 | 1,571 | 442 | 489 |
| 25 to 34 years | 833 | 904 | 678 | 731 | 155 | 173 |
| 35 to 44 years | 587 | 590 | 419 | 434 | 168 | 156 |
| 45 to 54 years | 524 | 565 | 407 | 406 | 118 | 159 |
| 55 to 64 years | 516 | 535 | 414 | 425 | 102 | 109 |
| 55 to 59 years | 276 | 300 | 223 | 238 | 53 | 61 |
| 60 to 64 years | 239 | 235 | 191 | 187 | 49 | 48 |
| 65 years and over | 298 | 284 | 264 | 251 | 34 | 33 |
| Nonagricultural industries | 97,262 | 99,179 | 54,529 | 55,490 | 42,732 | 43,689 |
| 16 to 19 years | 7,213 | 7,177 | 3,624 | 3,600 | 3,590 | 3,577 |
| 16 to 17 years | 2,831 | 2,768 | 1,441 | 1,398 | 1,390 | 1,371 |
| 18 to 19 years | 4,382 | 4,408 | 2,183 | 2,202 | 2,200 | 2,206 |
| 20 to 24 years | 13,736 | 13,911 | 7,163 | 7,316 | 6,573 | 6,595 |
| 25 to 54 years | 62,887 | 64,755 | 35,926 | 36,765 | 26,962 | 27,990 |
| 25 to 34 years | 27,306 | 27,999 | 15,453 | 15,725 | 11,853 | 12,274 |
| 35 to 44 years | 20,271 | 21,406 | 11,621 | 12,199 | 6,650 | 9,207 |
| 45 to 54 years | 15,311 | 15,350 | 8,851 | 8,841 | 6,459 | 6,509 |
| 55 to 64 years | 10,881 | 10,726 | 6,380 | 6,277 | 4,521 | 4,449 |
| 55 to 59 years | 6,757 | 6,509 | 3,958 | 3,859 | 2,798 | 2,850 |
| 60 to 64 years | 4,124 | 4,217 | 2,402 | 2,417 | 1,723 | 1,799 |
| 65 years and over | 2,543 | 2,610 | 1,456 | 1,533 | 1,087 | 1,077 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Employed civilians by occupation, sex, and age

(In thousands)

| Occupation | Total | | Men | | | | Women | | | |
|---|-------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| | 16 years and over | | 16 years and over | | 20 years and over | | 16 years and over | | 20 years and over | |
| | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| Total | 101,177 | 103,167 | 57,644 | 58,645 | 53,516 | 54,586 | 43,533 | 44,522 | 39,831 | 40,843 |
| Managerial and professional specialty | 22,680 | 23,044 | 13,600 | 13,690 | 13,467 | 13,602 | 9,079 | 9,355 | 8,937 | 9,233 |
| Executive, administrative, and managerial | 10,765 | 10,814 | 7,306 | 7,287 | 7,235 | 7,243 | 3,459 | 3,527 | 3,399 | 3,495 |
| Officials and administrators, public administration | (¹) | 514 | (¹) | 313 | (¹) | 313 | (¹) | 201 | (¹) | 200 |
| Other executive, administrative, and managerial | (¹) | 7,391 | (¹) | 5,207 | (¹) | 5,168 | (¹) | 2,184 | (¹) | 2,162 |
| Management-related occupations | (¹) | 2,909 | (¹) | 1,767 | (¹) | 1,762 | (¹) | 1,143 | (¹) | 1,134 |
| Professional specialty | 11,915 | 12,230 | 6,295 | 6,402 | 6,232 | 6,359 | 5,620 | 5,827 | 5,537 | 5,736 |
| Engineers | 1,599 | 1,591 | 1,492 | 1,492 | 1,490 | 1,493 | 107 | 99 | 107 | 99 |
| Mathematical and computer scientists | 537 | 500 | 380 | 332 | 379 | 332 | 157 | 167 | 157 | 167 |
| Natural scientists | 332 | 341 | 270 | 268 | 270 | 269 | 62 | 73 | 60 | 70 |
| Health diagnosing occupations | 682 | 715 | 600 | 637 | 599 | 637 | 82 | 78 | 82 | 76 |
| Health assessment and treating occupations | 1,885 | 2,023 | 273 | 267 | 271 | 288 | 1,612 | 1,756 | 1,606 | 1,747 |
| Teachers, college and university | 497 | 480 | 312 | 319 | 311 | 320 | 185 | 160 | 164 | 159 |
| Teachers, except college and university | 2,791 | 2,697 | 794 | 740 | 784 | 732 | 1,996 | 1,957 | 1,971 | 1,921 |
| Lawyers and judges | 627 | 648 | 515 | 549 | 511 | 546 | 112 | 98 | 111 | 98 |
| Other professional specialty occupations | 2,965 | 3,235 | 1,659 | 1,796 | 1,616 | 1,762 | 1,306 | 1,439 | 1,259 | 1,400 |
| Technical, sales, and administrative support | 31,199 | 31,840 | 11,305 | 11,305 | 10,725 | 10,730 | 19,895 | 20,535 | 18,205 | 18,862 |
| Technicians and related support | 3,140 | 3,091 | 1,716 | 1,613 | 1,667 | 1,567 | 1,424 | 1,478 | 1,387 | 1,461 |
| Health technologists and technicians | 1,053 | 1,118 | 189 | 187 | 185 | 181 | 864 | 931 | 849 | 926 |
| Engineering and science technicians | 1,216 | 987 | 945 | 787 | 925 | 759 | 271 | 200 | 259 | 191 |
| Technicians, except health, engineering, and science | 671 | 987 | 582 | 639 | 577 | 626 | 289 | 347 | 278 | 345 |
| Sales occupations | 11,513 | 12,140 | 6,316 | 6,305 | 5,975 | 6,003 | 5,197 | 5,835 | 4,317 | 4,907 |
| Supervisors and proprietors | 2,965 | 3,002 | 2,285 | 2,188 | 2,269 | 2,160 | 679 | 814 | 649 | 795 |
| Sales representatives, finance and business services | 1,791 | 1,919 | 1,178 | 1,171 | 1,164 | 1,169 | 613 | 749 | 599 | 726 |
| Sales representatives, commodities, except retail | 1,440 | 1,451 | 1,204 | 1,214 | 1,193 | 1,209 | 236 | 237 | 218 | 225 |
| Sales workers, retail and personal services | 5,289 | 5,716 | 1,638 | 1,707 | 1,340 | 1,438 | 3,650 | 4,008 | 2,831 | 3,136 |
| Sales-related occupations | 29 | 52 | 9 | 26 | 9 | 25 | 19 | 27 | 19 | 25 |
| Administrative support, including clerical | 16,546 | 16,608 | 3,273 | 3,386 | 3,063 | 3,160 | 13,274 | 13,222 | 12,501 | 12,513 |
| Supervisors | (¹) | 699 | (¹) | 323 | (¹) | 320 | (¹) | 376 | (¹) | 373 |
| Computer equipment operators | 621 | 628 | 236 | 229 | 229 | 219 | 385 | 399 | 368 | 370 |
| Secretaries, stenographers, and typists | 4,870 | 4,863 | 68 | 93 | 61 | 81 | 4,803 | 4,770 | 4,543 | 4,538 |
| Financial records processing | 2,432 | 2,468 | 232 | 252 | 229 | 245 | 2,201 | 2,216 | 2,141 | 2,157 |
| Mail and message distributing | 841 | 768 | 586 | 537 | 544 | 512 | 255 | 231 | 246 | 222 |
| Other administrative support, including clerical | (¹) | 7,182 | (¹) | 1,952 | (¹) | 1,764 | (¹) | 5,229 | (¹) | 4,654 |
| Service occupations | 13,858 | 14,510 | 5,475 | 5,932 | 4,421 | 4,785 | 8,383 | 8,577 | 6,935 | 7,085 |
| Private household | 1,071 | 1,015 | 35 | 40 | 19 | 23 | 1,036 | 975 | 768 | 687 |
| Protective service | 1,635 | 1,827 | 1,456 | 1,561 | 1,411 | 1,503 | 178 | 267 | 154 | 202 |
| Service, except private household and protective | 11,152 | 11,667 | 3,983 | 4,331 | 2,991 | 3,259 | 7,169 | 7,336 | 6,014 | 6,196 |
| Food service | 5,026 | 5,042 | 1,762 | 1,930 | 1,124 | 1,237 | 3,264 | 3,112 | 2,467 | 2,364 |
| Health service | 1,742 | 1,788 | 192 | 192 | 170 | 173 | 1,551 | 1,596 | 1,432 | 1,459 |
| Cleaning and building service | 2,650 | 2,967 | 1,626 | 1,789 | 1,384 | 1,531 | 1,024 | 1,178 | 935 | 1,044 |
| Personal service | 1,734 | 1,870 | 404 | 420 | 313 | 317 | 1,330 | 1,450 | 1,180 | 1,329 |
| Precision production, craft, and repair | 12,131 | 12,794 | 11,205 | 11,753 | 10,787 | 11,396 | 926 | 1,041 | 888 | 1,005 |
| Mechanics and repairers | 3,981 | 4,230 | 3,850 | 4,094 | 3,704 | 3,979 | 131 | 136 | 126 | 131 |
| Construction trades | 4,153 | 4,602 | 4,030 | 4,527 | 3,813 | 4,353 | 123 | 75 | 112 | 61 |
| Other precision production, craft, and repair | 3,997 | 3,963 | 3,325 | 3,132 | 3,270 | 3,063 | 672 | 831 | 650 | 812 |
| Operators, fabricators, and laborers | 16,764 | 16,498 | 12,278 | 12,240 | 11,065 | 11,042 | 4,486 | 4,258 | 4,233 | 4,003 |
| Machine operators, assemblers, and inspectors | 7,868 | 7,905 | 4,555 | 4,661 | 4,340 | 4,425 | 3,313 | 3,243 | 3,193 | 3,123 |
| Manufacturing industries | 6,668 | 6,632 | 3,732 | 3,813 | 3,588 | 3,642 | 2,936 | 2,619 | 2,829 | 2,734 |
| Durable goods | 3,657 | 3,493 | 2,421 | 2,393 | 2,335 | 2,284 | 1,236 | 1,100 | 1,206 | 1,077 |
| Non-durable goods | 3,011 | 3,139 | 1,311 | 1,420 | 1,253 | 1,359 | 1,699 | 1,718 | 1,623 | 1,657 |
| Nonmanufacturing industries | 1,200 | 1,273 | 823 | 848 | 752 | 783 | 377 | 425 | 364 | 369 |
| Transportation and material moving occupations | 4,196 | 4,198 | 3,903 | 3,906 | 3,777 | 3,784 | 292 | 290 | 273 | 276 |
| Motor vehicle operators | 2,838 | 2,946 | 2,599 | 2,701 | 2,512 | 2,605 | 239 | 245 | 222 | 232 |
| Other transportation and material moving occupations | 1,358 | 1,252 | 1,304 | 1,207 | 1,265 | 1,178 | 53 | 45 | 51 | 43 |
| Handlers, equipment cleaners, helpers, and laborers | 4,701 | 4,396 | 3,819 | 3,671 | 2,948 | 2,833 | 882 | 724 | 768 | 605 |
| Construction laborers | 630 | 674 | 608 | 654 | 503 | 546 | 22 | 20 | 13 | 15 |
| Other handlers, equipment cleaners, helpers, and laborers | 4,071 | 3,721 | 3,212 | 3,018 | 2,445 | 2,287 | 860 | 705 | 755 | 590 |
| Farming, forestry, and fishing | 4,494 | 4,481 | 3,766 | 3,725 | 3,033 | 3,032 | 728 | 756 | 600 | 634 |
| Farm operators and managers | 1,542 | 1,528 | 1,368 | 1,343 | 1,352 | 1,325 | 174 | 165 | 172 | 186 |
| Other farming, forestry, and fishing occupations | 2,952 | 2,952 | 2,398 | 2,382 | 1,682 | 1,708 | 554 | 570 | 428 | 448 |

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-22. Employed civilians by occupation, race, and sex

(Percent distribution)

| Occupation and race | Total | | Men | | Women | |
|---|------------------|-------------|------------------|-------------|------------------|-------------|
| | August 1982 | August 1983 | August 1982 | August 1983 | August 1982 | August 1983 |
| TOTAL | | | | | | |
| Total, 16 years and over (thousands) | 101,177 | 103,167 | 57,644 | 58,645 | 43,533 | 44,522 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Managerial and professional specialty | 22.4 | 22.3 | 23.6 | 23.3 | 20.9 | 21.0 |
| Executive, administrative, and managerial | 10.6 | 10.5 | 12.7 | 12.4 | 8.0 | 7.9 |
| Professional specialty | 11.8 | 11.9 | 10.9 | 10.9 | 12.9 | 13.1 |
| Technical, sales, and administrative support | 30.9 | 30.9 | 19.6 | 19.3 | 45.7 | 46.1 |
| Technicians and related support | 3.1 | 3.0 | 3.0 | 2.8 | 3.3 | 3.3 |
| Sales occupations | 11.4 | 11.6 | 11.0 | 10.8 | 11.9 | 13.1 |
| Administrative support, including clerical | 16.4 | 16.1 | 5.7 | 5.8 | 30.5 | 29.7 |
| Service occupations | 13.7 | 14.1 | 9.5 | 10.1 | 19.3 | 19.3 |
| Private household | 1.1 | 1.0 | .1 | .1 | 2.4 | 2.2 |
| Protective service | 1.6 | 1.8 | 2.5 | 2.7 | .4 | .6 |
| Service, except private household and protective | 11.0 | 11.3 | 6.9 | 7.4 | 16.5 | 16.5 |
| Precision production, craft, and repair | 12.0 | 12.4 | 19.4 | 20.0 | 2.1 | 2.3 |
| Operators, fabricators, and laborers | 16.6 | 16.0 | 21.3 | 20.9 | 10.3 | 9.6 |
| Machine operators, assemblers, and inspectors | 7.8 | 7.7 | 7.9 | 7.9 | 7.6 | 7.3 |
| Transportation and material moving occupations | 4.1 | 4.1 | 6.8 | 6.7 | .7 | .7 |
| Handlers, equipment cleaners, helpers, and laborers | 4.6 | 4.3 | 6.6 | 6.3 | 2.0 | 1.6 |
| Farming, forestry, and fishing | 4.4 | 4.3 | 6.5 | 6.4 | 1.7 | 1.7 |
| White | | | | | | |
| Total, 16 years and over (thousands) | 69,189 | 90,908 | 51,457 | 52,271 | 37,732 | 38,637 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Managerial and professional specialty | 23.4 | 23.2 | 24.6 | 24.4 | 21.5 | 21.7 |
| Executive, administrative, and managerial | 11.3 | 11.1 | 13.5 | 13.1 | 8.4 | 8.4 |
| Professional specialty | 12.1 | 12.1 | 11.3 | 11.3 | 13.1 | 13.3 |
| Technical, sales, and administrative support | 31.5 | 31.5 | 20.0 | 19.7 | 47.2 | 47.5 |
| Technicians and related support | 3.1 | 3.0 | 2.9 | 2.7 | 3.2 | 3.2 |
| Sales occupations | 12.0 | 12.4 | 11.5 | 11.4 | 12.7 | 13.6 |
| Administrative support, including clerical | 16.4 | 16.1 | 5.5 | 5.5 | 31.3 | 30.4 |
| Service occupations | 12.5 | 12.8 | 6.5 | 9.1 | 17.9 | 17.9 |
| Private household | .8 | .8 | (¹) | .1 | 1.9 | 1.8 |
| Protective service | 1.6 | 1.7 | 2.4 | 2.6 | .4 | .6 |
| Service, except private household and protective | 10.1 | 10.3 | 6.1 | 6.4 | 15.5 | 15.5 |
| Precision production, craft, and repair | 12.4 | 12.8 | 19.9 | 20.5 | 2.1 | 2.3 |
| Operators, fabricators, and laborers | 15.7 | 15.2 | 20.2 | 19.9 | 9.5 | 8.9 |
| Machine operators, assemblers, and inspectors | 7.3 | 7.2 | 7.5 | 7.6 | 7.0 | 6.7 |
| Transportation and material moving occupations | 4.1 | 4.0 | 6.6 | 6.5 | .7 | .6 |
| Handlers, equipment cleaners, helpers, and laborers | 4.3 | 4.0 | 6.1 | 5.8 | 1.9 | 1.6 |
| Farming, forestry, and fishing | 4.6 | 4.4 | 6.6 | 6.4 | 1.8 | 1.8 |
| Black | | | | | | |
| Total, 16 years and over (thousands) | 9,441 | 9,633 | 4,796 | 4,917 | 4,645 | 4,716 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Managerial and professional specialty | (²) | 13.6 | (²) | 11.3 | (²) | 16.0 |
| Executive, administrative, and managerial | (²) | 5.1 | (²) | 5.4 | (²) | 4.8 |
| Professional specialty | (²) | 8.5 | (²) | 5.9 | (²) | 11.2 |
| Technical, sales, and administrative support | (²) | 25.6 | (²) | 14.6 | (²) | 37.3 |
| Technicians and related support | (²) | 2.6 | (²) | 2.1 | (²) | 3.5 |
| Sales occupations | (²) | 6.1 | (²) | 4.2 | (²) | 8.1 |
| Administrative support, including clerical | (²) | 16.9 | (²) | 8.3 | (²) | 25.6 |
| Service occupations | (²) | 24.8 | (²) | 19.8 | (²) | 30.1 |
| Private household | (²) | 2.9 | (²) | .2 | (²) | 5.8 |
| Protective service | (²) | 2.3 | (²) | 3.9 | (²) | .6 |
| Service, except private household and protective | (²) | 19.6 | (²) | 15.6 | (²) | 23.7 |
| Precision production, craft, and repair | (²) | 9.1 | (²) | 15.9 | (²) | 1.9 |
| Operators, fabricators, and laborers | (²) | 23.2 | (²) | 32.4 | (²) | 13.6 |
| Machine operators, assemblers, and inspectors | (²) | 11.0 | (²) | 11.3 | (²) | 10.7 |
| Transportation and material moving occupations | (²) | 5.5 | (²) | 9.9 | (²) | .9 |
| Handlers, equipment cleaners, helpers, and laborers | (²) | 6.7 | (²) | 11.1 | (²) | 2.0 |
| Farming, forestry, and fishing | (²) | 3.6 | (²) | 6.0 | (²) | 1.1 |

¹ Less than 0.05 percent.

² Data for 1982 are not shown because they do not meet reliability

standards for publication.

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

(In thousands)

| Age and sex | August 1983 | | | | | | | | |
|--------------------------------|----------------------------|---------------------------|------------|--------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|
| | Nonagricultural industries | | | | | Agriculture | | | |
| | Wage and salary workers | | | | Self-employed workers | Unpaid family workers | Wage and salary workers | Self-employed workers | Unpaid family workers |
| | Total | Private household workers | Government | Other | | | | | |
| Total, 16 years and over | 91,108 | 1,365 | 15,006 | 74,736 | 7,704 | 387 | 1,998 | 1,691 | 299 |
| 16 to 19 years | 7,046 | 438 | 612 | 5,996 | 91 | 40 | 416 | 58 | 87 |
| 16 to 17 years | 2,698 | 288 | 264 | 2,146 | 44 | 26 | 205 | 33 | 52 |
| 18 to 19 years | 4,348 | 150 | 348 | 3,850 | 47 | 14 | 211 | 24 | 35 |
| 20 to 24 years | 13,534 | 156 | 1,237 | 12,142 | 357 | 20 | 411 | 103 | 36 |
| 25 to 34 years | 26,028 | 168 | 4,135 | 21,725 | 1,916 | 55 | 534 | 327 | 43 |
| 35 to 44 years | 19,281 | 139 | 3,885 | 15,257 | 2,018 | 107 | 264 | 285 | 41 |
| 45 to 54 years | 13,687 | 169 | 2,908 | 10,611 | 1,595 | 68 | 179 | 341 | 48 |
| 55 to 64 years | 9,517 | 166 | 1,910 | 7,442 | 1,157 | 52 | 149 | 351 | 34 |
| 55 to 59 years | 5,827 | 84 | 1,190 | 4,553 | 653 | 29 | 91 | 182 | 26 |
| 60 to 64 years | 3,690 | 81 | 720 | 2,889 | 504 | 23 | 58 | 169 | 6 |
| 65 years and over | 2,014 | 130 | 321 | 1,563 | 571 | 25 | 44 | 227 | 13 |
| Men, 16 years and over | 50,204 | 297 | 7,615 | 42,292 | 5,234 | 53 | 1,574 | 1,477 | 104 |
| 16 to 19 years | 3,517 | 132 | 298 | 3,086 | 58 | 25 | 333 | 57 | 68 |
| 16 to 17 years | 1,345 | 72 | 128 | 1,145 | 35 | 18 | 185 | 33 | 46 |
| 18 to 19 years | 2,172 | 60 | 171 | 1,941 | 23 | 7 | 168 | 24 | 23 |
| 20 to 24 years | 7,045 | 59 | 568 | 6,418 | 265 | 6 | 336 | 91 | 22 |
| 25 to 34 years | 14,434 | 31 | 2,020 | 12,384 | 1,285 | 6 | 435 | 291 | 5 |
| 35 to 44 years | 10,846 | 28 | 2,004 | 8,814 | 1,351 | 2 | 184 | 249 | - |
| 45 to 54 years | 7,751 | 12 | 1,532 | 6,206 | 1,087 | 3 | 130 | 276 | - |
| 55 to 64 years | 5,487 | 7 | 1,021 | 4,459 | 783 | 7 | 114 | 308 | 4 |
| 55 to 59 years | 3,425 | 5 | 644 | 2,776 | 431 | 3 | 73 | 162 | 4 |
| 60 to 64 years | 2,063 | 2 | 378 | 1,683 | 352 | 3 | 40 | 146 | 1 |
| 65 years and over | 1,125 | 28 | 171 | 926 | 404 | 4 | 41 | 205 | 5 |
| Women, 16 years and over | 40,904 | 1,069 | 7,391 | 32,444 | 2,471 | 314 | 424 | 214 | 195 |
| 16 to 19 years | 3,529 | 305 | 313 | 2,910 | 33 | 15 | 83 | 1 | 19 |
| 16 to 17 years | 1,353 | 215 | 136 | 1,001 | 9 | 8 | 40 | - | 6 |
| 18 to 19 years | 2,176 | 90 | 177 | 1,909 | 24 | 7 | 43 | - | 12 |
| 20 to 24 years | 6,490 | 97 | 689 | 5,724 | 92 | 14 | 75 | 12 | 13 |
| 25 to 34 years | 11,594 | 137 | 2,116 | 9,341 | 831 | 50 | 99 | 36 | 38 |
| 35 to 44 years | 8,435 | 111 | 1,881 | 6,443 | 667 | 105 | 80 | 35 | 41 |
| 45 to 54 years | 5,937 | 156 | 1,375 | 4,405 | 508 | 65 | 49 | 64 | 46 |
| 55 to 64 years | 4,030 | 159 | 888 | 2,983 | 374 | 45 | 36 | 43 | 30 |
| 55 to 59 years | 2,403 | 80 | 546 | 1,777 | 221 | 25 | 18 | 20 | 23 |
| 60 to 64 years | 1,627 | 79 | 342 | 1,206 | 152 | 20 | 18 | 23 | 8 |
| 65 years and over | 890 | 102 | 150 | 638 | 167 | 21 | 2 | 23 | 8 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-24. Employed civilians by industry and occupation

(In thousands)

| Industry | August 1983 | | | | | | | | | | | | |
|---|----------------|---|------------------------|--|-------|--|---------------------|----------------------------|---|---|------------------------------------|---|--------------------------------|
| | Total employed | Managerial and professional specialty | | Technical, sales, and administrative support | | | Service occupations | | Precision production, craft, and repair | Operators, fabricators, and laborers | | | Farming, forestry, and fishing |
| | | Executive, administrative, and managerial | Professional specialty | Technicians and related support | Sales | Administrative support, including clerical | Private household | Other service ¹ | | Machine operators, assemblers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers | |
| Agriculture | 3,988 | 58 | 69 | 31 | 17 | 110 | - | 15 | 56 | 12 | 54 | 7 | 3,559 |
| Mining | 984 | 151 | 91 | 37 | 8 | 153 | - | 9 | 351 | 33 | 121 | 27 | 1 |
| Construction | 6,668 | 677 | 129 | 47 | 57 | 398 | - | 48 | 3,839 | 101 | 525 | 815 | 30 |
| Manufacturing | 20,127 | 1,972 | 1,583 | 720 | 613 | 2,445 | - | 408 | 3,854 | 6,632 | 861 | 933 | 126 |
| Durable goods | 11,749 | 1,140 | 1,055 | 498 | 299 | 1,403 | - | 211 | 2,668 | 3,493 | 431 | 424 | 108 |
| Nondurable goods | 8,378 | 833 | 508 | 222 | 314 | 1,042 | - | 198 | 1,166 | 3,139 | 429 | 509 | 18 |
| Transportation and public utilities | 7,072 | 716 | 373 | 248 | 215 | 1,973 | - | 252 | 1,245 | 121 | 1,473 | 437 | 18 |
| Wholesale and retail trade | 22,065 | 1,727 | 388 | 67 | 8,969 | 2,265 | - | 4,317 | 1,448 | 308 | 782 | 1,771 | 22 |
| Wholesale trade | 4,428 | 503 | 67 | 29 | 1,641 | 871 | - | 39 | 330 | 166 | 404 | 372 | 5 |
| Retail trade | 17,638 | 1,223 | 322 | 38 | 7,328 | 1,394 | - | 4,279 | 1,118 | 142 | 378 | 1,399 | 17 |
| Finance, insurance, and real estate | 6,750 | 1,468 | 151 | 113 | 1,607 | 2,887 | - | 317 | 89 | 14 | 7 | 23 | 73 |
| Services | 30,714 | 3,075 | 8,867 | 1,643 | 831 | 4,995 | 1,015 | 6,929 | 1,663 | 645 | 335 | 337 | 578 |
| Private households | 1,368 | 7 | 11 | 9 | 1 | 11 | 1,015 | 45 | 12 | 5 | 6 | 35 | 212 |
| Other service industries | 29,346 | 3,068 | 8,857 | 1,833 | 630 | 4,985 | - | 6,884 | 1,652 | 640 | 329 | 302 | 366 |
| Professional services | 19,770 | 1,752 | 7,915 | 1,394 | 117 | 3,653 | - | 4,025 | 398 | 158 | 166 | 71 | 120 |
| Public administration | 4,798 | 972 | 598 | 185 | 23 | 1,380 | - | 1,199 | 247 | 39 | 40 | 44 | 74 |

¹ Includes protective service, not shown separately.

NOTE: Detail may not add to totals because of changes in the estimation procedures.

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

(In thousands)

| Reason not working and sex | All industries | | Nonagricultural industries | | | | | |
|--------------------------------------|----------------|-----------|----------------------------|-----------|--------------------------------------|------------------|------------------|------------------|
| | Aug. 1982 | Aug. 1983 | Total | | Wage and salary workers ¹ | | | |
| | | | Aug. 1982 | Aug. 1983 | Paid absences | | Unpaid absences | |
| | | | | | Aug. 1982 | Aug. 1983 | Aug. 1982 | Aug. 1983 |
| Total, 16 years and over | 11,384 | 11,841 | 11,211 | 11,666 | 6,300 | 6,435 | 4,023 | 4,448 |
| Vacation | 9,067 | 9,062 | 8,981 | 8,972 | 5,574 | 5,707 | 2,908 | 2,782 |
| Illness | 1,300 | 1,240 | 1,255 | 1,194 | 531 | 497 | 599 | 611 |
| Bad weather | 38 | 48 | 25 | 30 | (²) | (²) | (²) | (²) |
| Industrial dispute | 35 | 549 | 35 | 549 | (²) | (²) | (²) | (²) |
| All other reasons | 944 | 944 | 915 | 921 | 195 | 231 | 516 | 1,054 |
| Men, 16 years and over | 5,195 | 5,411 | 5,069 | 5,275 | 3,306 | 3,442 | 1,257 | 1,448 |
| Vacation | 4,012 | 4,032 | 3,947 | 3,964 | 2,913 | 3,024 | 785 | 712 |
| Illness | 679 | 680 | 647 | 642 | 316 | 306 | 250 | 296 |
| All other reasons ³ | 504 | 699 | 475 | 669 | 77 | 112 | 222 | 441 |
| Women, 16 years and over | 6,189 | 6,430 | 6,141 | 6,391 | 2,995 | 2,991 | 2,767 | 3,001 |
| Vacation | 5,055 | 5,030 | 5,033 | 5,008 | 2,661 | 2,682 | 2,124 | 2,072 |
| Illness | 621 | 561 | 608 | 552 | 216 | 191 | 349 | 316 |
| All other reasons ³ | 513 | 839 | 500 | 831 | 119 | 119 | 294 | 614 |

¹ Excludes private household workers.

² Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

³ Includes bad weather and industrial dispute, not shown separately. 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 hours of work and type of industry

| Hours of work | August 1983 | | | | | |
|---|----------------------|-------------|----------------------------|----------------------|-------------|----------------------------|
| | Thousands of persons | | | Percent distribution | | |
| | All industries | Agriculture | Nonagricultural industries | All industries | Agriculture | Nonagricultural industries |
| Total, 16 years and over | 91,326 | 3,813 | 87,513 | 100.0 | 100.0 | 100.0 |
| 1 to 34 hours | 21,936 | 1,124 | 20,813 | 24.0 | 29.5 | 23.8 |
| 1 to 4 hours | 769 | 86 | 684 | .8 | 2.3 | .8 |
| 5 to 14 hours | 3,484 | 222 | 3,262 | 3.8 | 5.8 | 3.7 |
| 15 to 29 hours | 11,314 | 611 | 10,703 | 12.4 | 16.0 | 12.2 |
| 30 to 34 hours | 6,369 | 205 | 6,164 | 7.0 | 5.4 | 7.0 |
| 35 hours and over | 69,390 | 2,690 | 66,701 | 76.0 | 70.5 | 76.2 |
| 35 to 39 hours | 6,424 | 168 | 6,257 | 7.0 | 4.4 | 7.1 |
| 40 hours | 39,024 | 667 | 38,357 | 42.7 | 17.5 | 43.8 |
| 41 hours and over | 23,942 | 1,855 | 22,087 | 26.2 | 48.6 | 25.2 |
| 41 to 48 hours | 8,778 | 264 | 8,514 | 9.6 | 6.9 | 9.7 |
| 49 to 59 hours | 8,132 | 522 | 7,610 | 8.9 | 13.7 | 8.7 |
| 60 hours and over | 7,032 | 1,069 | 5,963 | 7.7 | 28.0 | 6.8 |
| Average hours, total at work | 39.1 | 44.8 | 38.8 | - | - | - |
| Average hours, workers on full-time schedules | 43.3 | 53.2 | 42.9 | - | - | - |

A-27. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status

(Numbers in thousands)

| Reason for working less than 35 hours | August 1983 | | | | | |
|--|----------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
| | 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 | 21,936 | 6,860 | 15,076 | 20,813 | 6,518 | 14,294 |
| Economic reasons | 6,811 | 1,905 | 4,906 | 6,423 | 1,782 | 4,641 |
| Slack work | 2,661 | 1,440 | 1,221 | 2,461 | 1,322 | 1,139 |
| Material shortages or repairs to plant and equipment | 73 | 73 | - | 72 | 72 | - |
| New job started during week | 245 | 245 | - | 245 | 245 | - |
| Job terminated during week | 147 | 147 | - | 142 | 142 | - |
| Could find only part-time work | 3,685 | - | 3,685 | 3,503 | - | 3,503 |
| Other reasons | 15,125 | 4,955 | 10,170 | 14,389 | 4,736 | 9,653 |
| Does not want, or unavailable for, full-time work | 8,008 | - | 8,008 | 7,616 | - | 7,616 |
| Vacation | 2,060 | 2,060 | - | 1,996 | 1,996 | - |
| Illness | 1,232 | 1,101 | 131 | 1,198 | 1,083 | 115 |
| Bad weather | 254 | 254 | - | 200 | 200 | - |
| Industrial dispute | 32 | 32 | - | 32 | 32 | - |
| Legal or religious holiday | 109 | 109 | - | 108 | 108 | - |
| Full time for this job | 1,461 | - | 1,461 | 1,420 | - | 1,420 |
| All other reasons | 1,971 | 1,400 | 571 | 1,821 | 1,317 | 504 |
| Average hours: | | | | | | |
| Economic reasons | 21.4 | 23.9 | 20.4 | 21.6 | 24.1 | 20.6 |
| Other reasons | 21.7 | 25.4 | 19.9 | 21.9 | 25.5 | 20.1 |
| Worked 30 to 34 hours: | | | | | | |
| Economic reasons | 1,849 | 772 | 1,077 | 1,792 | 753 | 1,039 |
| Other reasons | 4,520 | 2,358 | 2,162 | 4,372 | 2,275 | 2,097 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-28. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

| Industry | August 1983 | | | | | | | | |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
| | 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 48 hours | 49 hours or more | | |
| Total, 16 years and over | 87,513 | 8,423 | 9,653 | 71,437 | 49,350 | 8,514 | 13,573 | 38.8 | 42.9 |
| Wage and salary workers | 80,128 | 5,789 | 8,383 | 65,956 | 46,881 | 7,985 | 11,110 | 38.6 | 42.4 |
| Mining | 847 | 25 | 11 | 811 | 199 | 116 | 226 | 45.2 | 46.1 |
| Construction | 5,082 | 431 | 202 | 4,449 | 3,200 | 474 | 775 | 39.6 | 42.2 |
| Manufacturing | 17,883 | 679 | 477 | 16,727 | 11,833 | 2,488 | 2,406 | 41.0 | 42.2 |
| Durable goods | 10,329 | 279 | 184 | 9,866 | 7,052 | 1,412 | 1,402 | 41.3 | 42.1 |
| Nondurable goods | 7,554 | 401 | 293 | 6,860 | 4,780 | 1,076 | 1,004 | 40.6 | 42.3 |
| Transportation and public utilities | 5,582 | 186 | 259 | 5,137 | 3,324 | 697 | 1,118 | 42.7 | 44.6 |
| Wholesale and retail trade | 18,432 | 2,260 | 3,224 | 12,948 | 8,452 | 1,842 | 2,654 | 36.6 | 43.0 |
| Finance, insurance, and real estate | 5,647 | 174 | 463 | 5,010 | 3,779 | 484 | 747 | 39.0 | 41.3 |
| Service industries | 22,323 | 1,932 | 3,533 | 16,858 | 12,731 | 1,485 | 2,842 | 36.5 | 41.9 |
| Private households | 1,277 | 394 | 488 | 395 | 256 | 38 | 101 | 23.9 | 46.6 |
| All other industries | 21,046 | 1,538 | 3,045 | 16,463 | 12,475 | 1,447 | 2,541 | 37.3 | 41.8 |
| Public administration | 4,333 | 102 | 213 | 4,018 | 3,074 | 400 | 544 | 40.4 | 41.9 |
| Self-employed workers | 7,018 | 624 | 1,110 | 5,284 | 2,392 | 520 | 2,372 | 41.0 | 48.8 |
| Unpaid family workers | 367 | 10 | 180 | 197 | 96 | 9 | 92 | 37.6 | 50.4 |

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

(Numbers in thousands)

| Sex, age, race, and marital status | August 1983 | | | | | | | |
|---------------------------------------|---------------|-----------------------------------|------------------------|------------------------|------------------|------------------|------------------------------|---|
| | 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 | | |
| TOTAL | | | | | | | | |
| Total, 16 years and over | 87,513 | 6,423 | 9,653 | 71,437 | 49,350 | 22,087 | 38.8 | 42.9 |
| 16 to 19 years | 6,798 | 1,828 | 1,994 | 3,176 | 2,529 | 647 | 29.7 | 40.6 |
| 16 to 17 years | 2,631 | 689 | 1,158 | 784 | 654 | 130 | 25.0 | 39.9 |
| 18 to 19 years | 4,167 | 940 | 835 | 2,392 | 1,876 | 516 | 32.6 | 40.9 |
| 20 years and over | 80,715 | 4,795 | 7,660 | 68,260 | 46,821 | 21,439 | 39.6 | 43.0 |
| 20 to 24 years | 12,980 | 1,456 | 1,296 | 10,228 | 7,523 | 2,705 | 37.7 | 41.9 |
| 25 years and over | 67,736 | 3,340 | 6,364 | 58,032 | 39,298 | 18,734 | 39.9 | 43.2 |
| 25 to 44 years | 43,127 | 2,215 | 3,238 | 37,674 | 25,377 | 12,297 | 40.4 | 43.2 |
| 45 to 64 years | 22,345 | 1,007 | 2,041 | 19,297 | 13,219 | 6,078 | 40.1 | 43.2 |
| 65 years and over | 2,263 | 117 | 1,084 | 1,062 | 703 | 359 | 29.6 | 43.7 |
| Men, 16 years and over | 50,215 | 2,996 | 2,780 | 44,439 | 27,618 | 16,821 | 41.6 | 44.3 |
| 16 to 19 years | 3,429 | 781 | 873 | 1,775 | 1,371 | 404 | 30.8 | 40.9 |
| 16 to 17 years | 1,330 | 350 | 538 | 442 | 350 | 92 | 25.7 | 40.2 |
| 18 to 19 years | 2,100 | 430 | 335 | 1,335 | 1,023 | 312 | 34.0 | 41.2 |
| 20 years and over | 46,785 | 2,217 | 1,907 | 42,661 | 26,243 | 16,418 | 42.4 | 44.4 |
| 20 to 24 years | 6,931 | 717 | 447 | 5,767 | 3,857 | 1,910 | 39.4 | 43.1 |
| 25 years and over | 39,854 | 1,498 | 1,460 | 36,898 | 22,387 | 14,509 | 42.9 | 44.6 |
| 25 to 44 years | 25,163 | 985 | 498 | 23,660 | 14,157 | 9,523 | 43.4 | 44.8 |
| 45 to 64 years | 13,347 | 445 | 384 | 12,518 | 7,790 | 4,728 | 43.0 | 44.5 |
| 65 years and over | 1,345 | 69 | 579 | 697 | 440 | 257 | 31.3 | 44.2 |
| Women, 16 years and over | 37,296 | 3,427 | 6,874 | 26,997 | 21,731 | 5,266 | 35.1 | 40.6 |
| 16 to 19 years | 3,368 | 849 | 1,121 | 1,398 | 1,156 | 242 | 28.5 | 40.3 |
| 16 to 17 years | 1,301 | 339 | 620 | 342 | 303 | 39 | 24.4 | 39.7 |
| 18 to 19 years | 2,067 | 509 | 500 | 1,056 | 853 | 205 | 31.1 | 40.5 |
| 20 years and over | 33,930 | 2,578 | 5,753 | 25,599 | 20,577 | 5,022 | 35.7 | 40.6 |
| 20 to 24 years | 6,049 | 738 | 849 | 4,462 | 3,667 | 795 | 35.6 | 40.4 |
| 25 years and over | 27,881 | 1,836 | 4,904 | 21,139 | 16,912 | 4,227 | 35.7 | 40.6 |
| 25 to 44 years | 17,965 | 1,230 | 2,742 | 13,993 | 11,219 | 2,774 | 36.1 | 40.5 |
| 45 to 64 years | 8,998 | 561 | 1,658 | 6,779 | 5,430 | 1,349 | 35.8 | 40.8 |
| 65 years and over | 918 | 47 | 505 | 366 | 263 | 103 | 27.7 | 42.7 |
| RACE | | | | | | | | |
| White, 16 years and over | 76,927 | 5,329 | 8,752 | 62,846 | 42,417 | 20,429 | 39.0 | 43.1 |
| Men | 44,604 | 2,482 | 2,482 | 39,660 | 24,064 | 15,596 | 41.9 | 44.5 |
| Women | 32,323 | 2,887 | 6,269 | 23,187 | 18,354 | 4,833 | 35.0 | 40.7 |
| Black, 16 years and over | 8,205 | 927 | 644 | 6,634 | 5,451 | 1,183 | 37.3 | 41.2 |
| Men | 4,290 | 443 | 226 | 3,621 | 2,741 | 880 | 39.1 | 42.5 |
| Women | 3,915 | 484 | 418 | 3,013 | 2,708 | 305 | 35.4 | 39.5 |
| MARITAL STATUS | | | | | | | | |
| Men, 16 years and over: | | | | | | | | |
| Married, spouse present | 32,802 | 1,060 | 1,045 | 30,697 | 18,271 | 12,428 | 43.3 | 44.8 |
| Widowed, divorced, or separated | 4,364 | 235 | 207 | 3,922 | 2,408 | 1,514 | 42.2 | 44.6 |
| Single (never married) | 13,049 | 1,703 | 1,528 | 9,818 | 6,935 | 2,883 | 37.1 | 42.5 |
| Women, 16 years and over: | | | | | | | | |
| Married, spouse present | 19,448 | 1,328 | 4,174 | 13,948 | 11,370 | 2,578 | 34.6 | 40.3 |
| Widowed, divorced, or separated | 7,221 | 532 | 810 | 5,879 | 4,459 | 1,420 | 37.6 | 41.4 |
| Single (never married) | 10,629 | 1,568 | 1,889 | 7,172 | 5,905 | 1,267 | 34.2 | 40.5 |

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Occupation and sex | August 1983 | | | | | | | | |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
| | 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 48 hours | 49 hours or more | | |
| Total, 16 years and over | 87,043 | 6,258 | 9,535 | 71,250 | 49,125 | 8,506 | 13,619 | 38.9 | 42.9 |
| Managerial and professional specialty | 18,767 | 470 | 1,475 | 18,823 | 10,284 | 1,963 | 4,576 | 41.8 | 44.3 |
| Executive, administrative, and managerial | 9,785 | 154 | 462 | 9,169 | 5,147 | 1,188 | 2,834 | 43.9 | 45.4 |
| Professional specialty | 8,982 | 316 | 1,013 | 7,654 | 5,137 | 775 | 1,742 | 39.5 | 43.0 |
| Technical, sales, and administrative support | 28,611 | 1,656 | 4,148 | 22,807 | 16,609 | 2,366 | 3,832 | 37.6 | 42.1 |
| Technicians and related support | 2,794 | 81 | 250 | 2,483 | 1,925 | 243 | 315 | 39.6 | 41.8 |
| Sales occupations | 11,175 | 976 | 2,019 | 8,181 | 4,559 | 979 | 2,642 | 38.6 | 45.1 |
| Administrative support, including clerical | 14,641 | 619 | 1,879 | 12,143 | 10,124 | 1,144 | 875 | 36.9 | 40.2 |
| Service occupations | 13,087 | 2,098 | 2,777 | 8,192 | 6,250 | 767 | 1,175 | 34.0 | 42.2 |
| Private household | 944 | 239 | 386 | 320 | 215 | 31 | 74 | 25.1 | 45.3 |
| Protective service | 1,808 | 74 | 110 | 1,423 | 912 | 183 | 328 | 42.6 | 45.3 |
| Service, except private household and protective | 10,515 | 1,784 | 2,281 | 6,450 | 5,123 | 553 | 774 | 33.5 | 41.4 |
| Precision production, craft, and repair | 11,821 | 715 | 315 | 10,591 | 7,046 | 1,523 | 2,022 | 41.4 | 43.3 |
| Operators, fabricators, and laborers | 14,977 | 1,320 | 820 | 12,838 | 8,936 | 1,887 | 2,013 | 39.7 | 42.7 |
| Machine operators, assemblers, and inspectors | 7,144 | 481 | 244 | 6,419 | 4,783 | 952 | 684 | 39.8 | 41.6 |
| Transportation and material moving occupations | 3,740 | 266 | 128 | 3,346 | 1,831 | 515 | 1,000 | 43.4 | 46.1 |
| Handlers, equipment cleaners, helpers, and laborers | 4,092 | 573 | 447 | 3,072 | 2,323 | 421 | 329 | 36.2 | 41.1 |
| Men, 16 years and over | 49,875 | 2,837 | 2,641 | 44,197 | 27,372 | 5,907 | 10,918 | 41.8 | 44.3 |
| Managerial and professional specialty | 11,925 | 237 | 436 | 11,252 | 6,120 | 1,359 | 3,773 | 44.3 | 45.7 |
| Executive, administrative, and managerial | 6,617 | 99 | 170 | 6,347 | 3,183 | 833 | 2,332 | 45.5 | 46.5 |
| Professional specialty | 5,308 | 137 | 286 | 4,905 | 2,938 | 527 | 1,441 | 42.8 | 44.7 |
| Technical, sales, and administrative support | 10,394 | 352 | 697 | 9,345 | 5,380 | 1,235 | 2,730 | 42.6 | 45.0 |
| Technicians and related support | 1,471 | 27 | 64 | 1,380 | 996 | 166 | 219 | 41.3 | 42.6 |
| Sales occupations | 5,869 | 219 | 433 | 5,218 | 2,389 | 692 | 2,137 | 44.1 | 47.1 |
| Administrative support, including clerical | 3,053 | 107 | 201 | 2,746 | 1,995 | 377 | 374 | 40.2 | 42.3 |
| Service occupations | 5,452 | 664 | 762 | 4,026 | 2,928 | 424 | 674 | 37.3 | 43.2 |
| Private household | 39 | 12 | 12 | 16 | 7 | 4 | 5 | (¹) | (¹) |
| Protective service | 1,396 | 48 | 71 | 1,278 | 819 | 161 | 296 | 43.4 | 45.5 |
| Service, except private household and protective | 4,016 | 605 | 679 | 2,732 | 2,102 | 259 | 371 | 35.3 | 42.1 |
| Precision production, craft, and repair | 10,690 | 657 | 223 | 9,810 | 6,463 | 1,398 | 1,949 | 41.7 | 43.5 |
| Operators, fabricators, and laborers | 11,214 | 926 | 523 | 9,764 | 6,480 | 1,492 | 1,793 | 40.6 | 43.4 |
| Machine operators, assemblers, and inspectors | 4,212 | 201 | 87 | 3,925 | 2,756 | 647 | 522 | 41.2 | 42.5 |
| Transportation and material moving occupations | 3,563 | 248 | 100 | 3,215 | 1,734 | 500 | 981 | 43.8 | 46.3 |
| Handlers, equipment cleaners, helpers, and laborers | 3,438 | 478 | 336 | 2,624 | 1,990 | 345 | 290 | 36.5 | 41.2 |
| Women, 16 years and over | 37,368 | 3,421 | 6,894 | 27,053 | 21,753 | 2,599 | 2,701 | 35.1 | 40.6 |
| Managerial and professional specialty | 6,842 | 233 | 1,039 | 5,570 | 4,164 | 603 | 803 | 37.4 | 41.4 |
| Executive, administrative, and managerial | 3,168 | 54 | 292 | 2,821 | 1,964 | 355 | 502 | 40.4 | 42.9 |
| Professional specialty | 3,674 | 179 | 747 | 2,749 | 2,200 | 248 | 301 | 34.7 | 39.9 |
| Technical, sales, and administrative support | 18,217 | 1,304 | 3,451 | 13,482 | 11,229 | 1,132 | 1,102 | 35.1 | 40.1 |
| Technicians and related support | 1,323 | 34 | 186 | 1,103 | 930 | 77 | 96 | 37.8 | 40.8 |
| Sales occupations | 5,308 | 757 | 1,586 | 2,963 | 2,170 | 288 | 505 | 32.4 | 41.5 |
| Administrative support, including clerical | 11,588 | 512 | 1,879 | 9,397 | 8,129 | 767 | 501 | 38.0 | 39.6 |
| Service occupations | 7,616 | 1,434 | 2,016 | 4,186 | 3,322 | 343 | 502 | 31.7 | 41.3 |
| Private household | 906 | 228 | 374 | 304 | 208 | 27 | 69 | 25.0 | 45.6 |
| Protective service | 211 | 27 | 40 | 145 | 93 | 22 | 30 | 36.8 | 43.5 |
| Service, except private household and protective | 6,499 | 1,179 | 1,602 | 3,717 | 3,021 | 294 | 403 | 32.5 | 40.8 |
| Precision production, craft, and repair | 931 | 57 | 92 | 781 | 583 | 126 | 73 | 37.9 | 41.2 |
| Operators, fabricators, and laborers | 3,763 | 394 | 297 | 3,072 | 2,457 | 396 | 220 | 37.1 | 40.4 |
| Machine operators, assemblers, and inspectors | 2,932 | 280 | 158 | 2,494 | 2,027 | 304 | 162 | 37.8 | 40.3 |
| Transportation and material moving occupations | 177 | 18 | 28 | 130 | 97 | 15 | 19 | 35.1 | 41.9 |
| Handlers, equipment cleaners, helpers, and laborers | 654 | 98 | 111 | 448 | 333 | 76 | 39 | 34.8 | 40.7 |

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-31. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

| Employment status and sex | 1982 | | | | | 1983 | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| TOTAL | | | | | | | | | | | | | |
| Noninstitutional population ¹ | 174,200 | 174,360 | 174,549 | 174,718 | 174,864 | 175,021 | 175,189 | 175,320 | 175,465 | 175,622 | 175,793 | 175,970 | 176,122 |
| Labor force ¹ | 112,303 | 112,528 | 112,420 | 112,702 | 112,794 | 112,215 | 112,217 | 112,148 | 112,457 | 112,418 | 113,600 | 113,539 | 113,943 |
| Percent of population ² | 64.5 | 64.5 | 64.4 | 64.5 | 64.5 | 64.1 | 64.1 | 64.0 | 64.1 | 64.0 | 64.6 | 64.5 | 64.7 |
| Total employed ¹ | 101,372 | 101,213 | 100,844 | 100,796 | 100,758 | 100,770 | 100,727 | 100,767 | 101,129 | 101,226 | 102,454 | 102,949 | 103,245 |
| Employment-population ratio ³ | 58.2 | 58.0 | 57.8 | 57.7 | 57.8 | 57.6 | 57.5 | 57.5 | 57.6 | 57.6 | 58.3 | 58.5 | 58.6 |
| Resident Armed Forces | 1,689 | 1,670 | 1,668 | 1,660 | 1,665 | 1,687 | 1,664 | 1,664 | 1,671 | 1,669 | 1,668 | 1,664 | 1,682 |
| Civilian employed | 99,683 | 99,543 | 99,176 | 99,136 | 99,093 | 99,103 | 99,063 | 99,103 | 99,458 | 99,557 | 100,788 | 101,285 | 101,563 |
| Agriculture | 3,429 | 3,363 | 3,413 | 3,466 | 3,411 | 3,412 | 3,393 | 3,375 | 3,371 | 3,387 | 3,522 | 3,527 | 3,489 |
| Nonagricultural industries | 96,254 | 96,180 | 95,763 | 95,670 | 95,682 | 95,691 | 95,670 | 95,729 | 96,088 | 96,190 | 97,264 | 97,758 | 98,074 |
| Unemployed | 10,931 | 11,315 | 11,576 | 11,906 | 12,038 | 11,446 | 11,490 | 11,381 | 11,328 | 11,192 | 11,146 | 10,590 | 10,699 |
| Unemployment rate ⁴ | 9.7 | 10.1 | 10.3 | 10.8 | 10.7 | 10.2 | 10.2 | 10.1 | 10.1 | 10.0 | 9.8 | 9.3 | 9.4 |
| Not in labor force | 61,897 | 61,832 | 62,129 | 62,016 | 62,070 | 62,806 | 62,952 | 63,172 | 63,008 | 63,204 | 62,193 | 62,431 | 62,179 |
| Men | | | | | | | | | | | | | |
| Noninstitutional population ¹ | 83,173 | 83,231 | 83,323 | 83,402 | 83,581 | 83,652 | 83,720 | 83,789 | 83,856 | 83,931 | 84,014 | 84,099 | 84,173 |
| Labor force ¹ | 64,055 | 64,301 | 64,300 | 64,414 | 64,384 | 63,916 | 63,996 | 63,957 | 64,207 | 64,276 | 64,816 | 64,864 | 64,814 |
| Percent of population ² | 77.0 | 77.3 | 77.2 | 77.2 | 77.0 | 76.4 | 76.4 | 76.3 | 76.6 | 76.6 | 77.1 | 77.1 | 77.0 |
| Total employed ¹ | 57,710 | 57,598 | 57,456 | 57,408 | 57,338 | 57,283 | 57,234 | 57,300 | 57,476 | 57,656 | 58,464 | 58,625 | 58,570 |
| Employment-population ratio ³ | 69.4 | 69.2 | 69.0 | 68.8 | 68.6 | 68.5 | 68.4 | 68.4 | 68.5 | 68.7 | 69.6 | 69.7 | 69.8 |
| Resident Armed Forces | 1,551 | 1,526 | 1,524 | 1,516 | 1,529 | 1,531 | 1,528 | 1,528 | 1,530 | 1,528 | 1,525 | 1,521 | 1,538 |
| Civilian employed | 56,159 | 56,072 | 55,932 | 55,892 | 55,809 | 55,752 | 55,706 | 55,772 | 55,946 | 56,128 | 56,939 | 57,104 | 57,032 |
| Unemployed | 6,345 | 6,703 | 6,844 | 7,006 | 7,046 | 6,633 | 6,762 | 6,857 | 6,731 | 6,620 | 6,351 | 6,238 | 6,244 |
| Unemployment rate ⁴ | 9.9 | 10.4 | 10.6 | 10.9 | 10.9 | 10.4 | 10.6 | 10.4 | 10.5 | 10.3 | 9.8 | 9.6 | 9.6 |
| Not in labor force | 19,118 | 18,930 | 19,023 | 18,988 | 19,197 | 19,736 | 19,724 | 19,832 | 19,649 | 19,655 | 19,198 | 19,235 | 19,359 |
| Women | | | | | | | | | | | | | |
| Noninstitutional population ¹ | 91,027 | 91,129 | 91,226 | 91,316 | 91,283 | 91,389 | 91,449 | 91,532 | 91,609 | 91,691 | 91,779 | 91,871 | 91,949 |
| Labor force ¹ | 48,248 | 48,227 | 48,120 | 48,288 | 48,410 | 48,299 | 48,220 | 48,191 | 48,251 | 48,142 | 48,784 | 48,675 | 48,130 |
| Percent of population ² | 53.0 | 52.9 | 52.7 | 52.9 | 53.0 | 52.9 | 52.7 | 52.6 | 52.7 | 52.5 | 53.2 | 53.0 | 53.4 |
| Total employed ¹ | 43,662 | 43,615 | 43,388 | 43,388 | 43,420 | 43,486 | 43,493 | 43,467 | 43,653 | 43,569 | 43,990 | 44,324 | 44,875 |
| Employment-population ratio ³ | 48.0 | 47.9 | 47.6 | 47.5 | 47.6 | 47.6 | 47.6 | 47.5 | 47.7 | 47.5 | 47.9 | 48.2 | 48.6 |
| Resident Armed Forces | 138 | 144 | 144 | 144 | 136 | 136 | 136 | 136 | 141 | 141 | 143 | 143 | 144 |
| Civilian employed | 43,524 | 43,471 | 43,244 | 43,244 | 43,284 | 43,350 | 43,357 | 43,331 | 43,512 | 43,428 | 43,847 | 44,181 | 44,531 |
| Unemployed | 4,586 | 4,612 | 4,732 | 4,900 | 4,990 | 4,813 | 4,727 | 4,724 | 4,597 | 4,572 | 4,795 | 4,351 | 4,455 |
| Unemployment rate ⁴ | 9.5 | 9.6 | 9.8 | 10.1 | 10.3 | 10.0 | 9.8 | 9.8 | 9.5 | 9.5 | 9.8 | 8.9 | 9.1 |
| Not in labor force | 42,779 | 42,902 | 43,106 | 43,028 | 42,873 | 43,070 | 43,229 | 43,341 | 43,358 | 43,549 | 42,995 | 43,196 | 42,819 |

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-31 through A-40 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

| Employment status, sex, and age | 1982 | | | | | 1983 | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| TOTAL | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 172,511 | 172,690 | 172,881 | 173,058 | 173,199 | 173,354 | 173,505 | 173,656 | 173,794 | 173,953 | 174,125 | 174,306 | 174,440 |
| Civilian labor force | 110,614 | 110,858 | 110,752 | 111,042 | 111,129 | 110,548 | 110,553 | 110,484 | 110,786 | 110,749 | 111,932 | 111,875 | 112,281 |
| Percent of population | 64.1 | 64.2 | 64.1 | 64.2 | 64.2 | 63.8 | 63.7 | 63.6 | 63.7 | 63.7 | 64.3 | 64.2 | 64.4 |
| Employed | 99,683 | 99,543 | 99,176 | 99,136 | 99,093 | 99,103 | 99,063 | 99,103 | 99,458 | 99,557 | 100,786 | 101,285 | 101,583 |
| Employment-population ratio ² | 57.8 | 57.6 | 57.4 | 57.3 | 57.2 | 57.2 | 57.1 | 57.1 | 57.2 | 57.2 | 57.9 | 58.1 | 58.2 |
| Unemployed | 10,931 | 11,315 | 11,576 | 11,906 | 12,036 | 11,446 | 11,490 | 11,381 | 11,328 | 11,192 | 11,146 | 10,590 | 10,699 |
| Unemployment rate | 9.9 | 10.2 | 10.5 | 10.7 | 10.8 | 10.4 | 10.4 | 10.3 | 10.2 | 10.1 | 10.0 | 9.5 | 9.5 |
| Men, 20 years and over | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 73,774 | 73,867 | 73,984 | 74,094 | 74,236 | 74,339 | 74,434 | 74,528 | 74,611 | 74,712 | 74,814 | 74,927 | 75,012 |
| Civilian labor force | 58,064 | 58,354 | 58,363 | 58,454 | 58,443 | 58,048 | 58,177 | 58,170 | 58,454 | 58,506 | 58,804 | 59,016 | 58,945 |
| Percent of population | 78.7 | 79.0 | 78.9 | 78.9 | 78.7 | 78.1 | 78.2 | 78.1 | 78.3 | 78.3 | 78.8 | 78.8 | 78.6 |
| Employed | 52,832 | 52,776 | 52,649 | 52,589 | 52,534 | 52,452 | 52,428 | 52,589 | 52,752 | 52,901 | 53,516 | 53,808 | 53,771 |
| Employment-population ratio ² | 71.6 | 71.4 | 71.2 | 71.0 | 70.8 | 70.6 | 70.4 | 70.6 | 70.7 | 70.8 | 71.5 | 71.8 | 71.7 |
| Agriculture | 2,433 | 2,436 | 2,444 | 2,434 | 2,389 | 2,426 | 2,374 | 2,420 | 2,404 | 2,443 | 2,529 | 2,544 | 2,496 |
| Nonagricultural industries | 50,399 | 50,340 | 50,205 | 50,155 | 50,145 | 50,025 | 50,054 | 50,169 | 50,348 | 50,458 | 50,987 | 51,264 | 51,275 |
| Unemployed | 5,232 | 5,578 | 5,714 | 5,865 | 5,909 | 5,597 | 5,749 | 5,581 | 5,702 | 5,605 | 5,288 | 5,208 | 5,174 |
| Unemployment rate | 9.0 | 9.6 | 9.8 | 10.0 | 10.1 | 9.8 | 9.9 | 9.6 | 9.8 | 9.6 | 9.0 | 8.8 | 8.8 |
| Not in labor force | 15,710 | 15,513 | 15,621 | 15,640 | 15,793 | 16,291 | 16,257 | 16,358 | 16,157 | 16,206 | 16,010 | 15,911 | 16,067 |
| Women, 20 years and over | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 83,035 | 83,152 | 83,271 | 83,385 | 83,383 | 83,490 | 83,593 | 83,699 | 83,794 | 83,899 | 84,008 | 84,122 | 84,224 |
| Civilian labor force | 44,039 | 43,996 | 43,936 | 44,112 | 44,286 | 44,201 | 44,216 | 44,166 | 44,238 | 44,228 | 44,648 | 44,685 | 45,003 |
| Percent of population | 53.0 | 52.9 | 52.8 | 52.9 | 53.1 | 52.9 | 52.9 | 52.8 | 52.7 | 53.1 | 53.1 | 53.1 | 53.4 |
| Employed | 40,368 | 40,286 | 40,112 | 40,123 | 40,215 | 40,238 | 40,291 | 40,277 | 40,509 | 40,484 | 40,789 | 41,164 | 41,394 |
| Employment-population ratio ² | 48.6 | 48.4 | 48.2 | 48.1 | 48.2 | 48.2 | 48.2 | 48.1 | 48.3 | 48.3 | 48.8 | 48.9 | 49.1 |
| Agriculture | 590 | 588 | 578 | 590 | 628 | 625 | 657 | 647 | 622 | 597 | 636 | 607 | 630 |
| Nonagricultural industries | 39,778 | 39,698 | 39,534 | 39,533 | 39,587 | 39,613 | 39,634 | 39,630 | 39,886 | 39,887 | 40,153 | 40,557 | 40,764 |
| Unemployed | 3,871 | 3,710 | 3,824 | 3,989 | 4,071 | 3,963 | 3,925 | 3,889 | 3,729 | 3,744 | 3,859 | 3,521 | 3,609 |
| Unemployment rate | 8.3 | 8.4 | 8.7 | 9.0 | 9.2 | 9.0 | 8.9 | 8.8 | 8.4 | 8.5 | 8.6 | 7.9 | 8.0 |
| Not in labor force | 38,996 | 39,156 | 39,335 | 39,273 | 39,097 | 39,289 | 39,377 | 39,533 | 39,556 | 39,671 | 39,360 | 39,437 | 39,221 |
| Both sexes, 16 to 19 years | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 15,702 | 15,871 | 15,825 | 15,579 | 15,580 | 15,525 | 15,478 | 15,429 | 15,389 | 15,342 | 15,303 | 15,257 | 15,204 |
| Civilian labor force | 8,511 | 8,508 | 8,453 | 8,476 | 8,400 | 8,299 | 8,160 | 8,148 | 8,094 | 8,015 | 8,480 | 8,173 | 8,313 |
| Percent of population | 54.2 | 54.3 | 54.1 | 54.4 | 53.9 | 53.5 | 52.7 | 52.8 | 52.6 | 52.2 | 55.4 | 53.6 | 54.7 |
| Employed | 6,483 | 6,481 | 6,415 | 6,424 | 6,344 | 6,413 | 6,345 | 6,237 | 6,197 | 6,172 | 6,481 | 6,313 | 6,397 |
| Employment-population ratio ² | 41.3 | 41.4 | 41.1 | 41.2 | 40.7 | 41.3 | 41.0 | 40.4 | 40.3 | 40.2 | 42.4 | 41.4 | 42.1 |
| Agriculture | 406 | 339 | 391 | 442 | 394 | 361 | 362 | 308 | 344 | 327 | 357 | 376 | 362 |
| Nonagricultural industries | 6,077 | 6,142 | 6,024 | 5,982 | 5,950 | 6,052 | 5,983 | 5,929 | 5,853 | 5,845 | 6,124 | 5,937 | 6,035 |
| Unemployed | 2,028 | 2,027 | 2,038 | 2,052 | 2,056 | 1,886 | 1,815 | 1,911 | 1,897 | 1,843 | 1,999 | 1,860 | 1,916 |
| Unemployment rate | 23.8 | 23.8 | 24.1 | 24.2 | 24.5 | 22.7 | 22.2 | 23.5 | 23.4 | 23.0 | 23.6 | 22.8 | 23.0 |
| Not in labor force | 7,191 | 7,163 | 7,172 | 7,103 | 7,180 | 7,226 | 7,318 | 7,281 | 7,295 | 7,327 | 6,823 | 7,084 | 6,891 |

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

| Employment status, race, sex, age, and Hispanic origin | 1982 | | | | | 1983 | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| WHITE | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 149,536 | 149,852 | 149,838 | 149,887 | 150,056 | 150,129 | 150,187 | 150,382 | 150,518 | 150,671 | 150,810 | 150,959 | 151,003 |
| Civilian labor force | 96,375 | 98,640 | 96,453 | 96,719 | 96,864 | 96,176 | 95,987 | 95,996 | 96,287 | 96,362 | 97,250 | 97,341 | 97,602 |
| Percent of population | 64.4 | 64.6 | 64.4 | 64.5 | 64.6 | 64.1 | 63.9 | 63.8 | 64.0 | 64.0 | 64.5 | 64.5 | 64.6 |
| Employed | 87,979 | 87,872 | 87,477 | 87,435 | 87,443 | 87,466 | 87,194 | 87,324 | 87,709 | 87,777 | 88,880 | 89,382 | 89,573 |
| Employment-population ratio ² | 58.8 | 58.7 | 58.4 | 58.3 | 58.3 | 58.3 | 58.1 | 58.1 | 58.3 | 58.3 | 58.9 | 59.2 | 59.3 |
| Unemployed | 8,396 | 8,766 | 8,976 | 9,284 | 9,421 | 8,711 | 8,793 | 8,672 | 8,577 | 8,585 | 8,370 | 7,959 | 8,029 |
| Unemployment rate | 8.7 | 9.1 | 9.3 | 9.6 | 9.7 | 9.1 | 9.2 | 9.0 | 8.9 | 8.9 | 8.6 | 8.2 | 8.2 |
| Men, 20 years and over | | | | | | | | | | | | | |
| Civilian labor force | 51,260 | 51,517 | 51,499 | 51,531 | 51,562 | 51,033 | 51,151 | 51,214 | 51,459 | 51,589 | 51,771 | 51,919 | 51,888 |
| Percent of population | 79.1 | 79.5 | 79.4 | 79.4 | 79.3 | 78.4 | 78.5 | 78.4 | 78.7 | 78.7 | 78.9 | 79.0 | 79.0 |
| Employed | 47,142 | 47,100 | 46,967 | 46,837 | 46,823 | 46,752 | 46,682 | 46,883 | 47,049 | 47,150 | 47,710 | 47,935 | 47,892 |
| Employment-population ratio ² | 72.8 | 72.7 | 72.4 | 72.1 | 72.0 | 71.6 | 71.8 | 71.8 | 71.9 | 72.0 | 72.7 | 73.0 | 72.9 |
| Unemployed | 4,118 | 4,417 | 4,512 | 4,694 | 4,739 | 4,281 | 4,489 | 4,332 | 4,409 | 4,440 | 4,060 | 3,984 | 3,997 |
| Unemployment rate | 8.0 | 8.6 | 8.8 | 9.1 | 9.2 | 8.4 | 8.7 | 8.5 | 8.6 | 8.6 | 7.8 | 7.7 | 7.7 |
| Women, 20 years and over | | | | | | | | | | | | | |
| Civilian labor force | 37,858 | 37,676 | 37,532 | 37,762 | 37,934 | 37,794 | 37,588 | 37,509 | 37,683 | 37,703 | 38,124 | 38,242 | 38,433 |
| Percent of population | 52.5 | 52.4 | 52.1 | 52.4 | 52.6 | 52.4 | 52.1 | 51.9 | 52.1 | 52.0 | 52.6 | 52.6 | 52.8 |
| Employed | 34,929 | 34,865 | 34,663 | 34,749 | 34,847 | 34,834 | 34,695 | 34,723 | 34,972 | 34,961 | 35,267 | 35,668 | 35,843 |
| Employment-population ratio ² | 48.7 | 48.5 | 48.1 | 48.2 | 48.3 | 48.3 | 48.1 | 48.0 | 48.3 | 48.3 | 48.6 | 49.1 | 49.3 |
| Unemployed | 2,729 | 2,811 | 2,869 | 3,013 | 3,087 | 2,960 | 2,893 | 2,787 | 2,711 | 2,742 | 2,837 | 2,574 | 2,590 |
| Unemployment rate | 7.2 | 7.5 | 7.6 | 8.0 | 8.1 | 7.8 | 7.7 | 7.4 | 7.2 | 7.3 | 7.4 | 6.7 | 6.7 |
| Both sexes, 16 to 19 years | | | | | | | | | | | | | |
| Civilian labor force | 7,457 | 7,447 | 7,422 | 7,426 | 7,368 | 7,349 | 7,248 | 7,273 | 7,145 | 7,089 | 7,355 | 7,180 | 7,281 |
| Percent of population | 57.3 | 57.4 | 57.3 | 57.5 | 57.1 | 57.1 | 56.5 | 56.9 | 56.0 | 55.7 | 58.2 | 57.1 | 58.0 |
| Employed | 5,908 | 5,907 | 5,827 | 5,849 | 5,773 | 5,880 | 5,817 | 5,719 | 5,688 | 5,666 | 5,883 | 5,779 | 5,839 |
| Employment-population ratio ² | 45.4 | 45.5 | 45.0 | 45.3 | 44.8 | 45.7 | 45.4 | 44.8 | 44.6 | 44.6 | 46.5 | 45.9 | 46.5 |
| Unemployed | 1,549 | 1,540 | 1,595 | 1,577 | 1,595 | 1,469 | 1,431 | 1,554 | 1,457 | 1,403 | 1,472 | 1,401 | 1,442 |
| Unemployment rate | 20.6 | 20.7 | 21.5 | 21.2 | 21.8 | 20.0 | 19.7 | 21.4 | 20.4 | 19.8 | 20.0 | 19.5 | 19.8 |
| Men | 22.5 | 22.2 | 23.0 | 22.8 | 22.8 | 21.2 | 21.1 | 22.9 | 21.7 | 20.2 | 19.8 | 20.4 | 21.1 |
| Women | 18.9 | 19.1 | 19.9 | 19.8 | 20.4 | 18.7 | 18.2 | 19.7 | 19.0 | 19.4 | 20.2 | 18.5 | 18.4 |
| BLACK | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 18,626 | 18,659 | 18,692 | 18,723 | 18,740 | 18,766 | 18,796 | 18,823 | 18,851 | 18,880 | 18,911 | 18,942 | 18,966 |
| Civilian labor force | 11,400 | 11,443 | 11,398 | 11,475 | 11,522 | 11,542 | 11,548 | 11,554 | 11,631 | 11,672 | 11,783 | 11,764 | 11,745 |
| Percent of population | 61.2 | 61.3 | 61.0 | 61.3 | 61.5 | 61.4 | 61.4 | 61.4 | 61.7 | 61.8 | 62.3 | 62.1 | 61.9 |
| Employed | 9,220 | 9,172 | 9,102 | 9,159 | 9,127 | 9,142 | 9,276 | 9,253 | 9,209 | 9,270 | 9,352 | 9,469 | 9,398 |
| Employment-population ratio ² | 49.5 | 49.2 | 48.7 | 48.9 | 48.7 | 48.7 | 49.4 | 49.2 | 48.8 | 49.1 | 49.5 | 50.0 | 49.6 |
| Unemployed | 2,180 | 2,271 | 2,296 | 2,316 | 2,395 | 2,400 | 2,271 | 2,302 | 2,423 | 2,402 | 2,432 | 2,295 | 2,347 |
| Unemployment rate | 19.1 | 19.8 | 20.1 | 20.2 | 20.6 | 20.6 | 19.7 | 19.9 | 20.8 | 20.6 | 20.6 | 19.5 | 20.0 |
| Men, 20 years and over | | | | | | | | | | | | | |
| Civilian labor force | 5,366 | 5,398 | 5,390 | 5,488 | 5,483 | 5,459 | 5,441 | 5,439 | 5,540 | 5,512 | 5,597 | 5,611 | 5,584 |
| Percent of population | 74.5 | 74.7 | 74.4 | 75.6 | 75.6 | 75.1 | 74.7 | 74.5 | 75.7 | 75.1 | 76.1 | 76.1 | 75.6 |
| Employed | 4,419 | 4,380 | 4,331 | 4,437 | 4,358 | 4,385 | 4,423 | 4,416 | 4,415 | 4,418 | 4,522 | 4,564 | 4,556 |
| Employment-population ratio ² | 61.3 | 60.4 | 59.8 | 61.1 | 60.1 | 60.3 | 60.7 | 60.5 | 60.3 | 60.2 | 61.5 | 61.9 | 61.7 |
| Unemployed | 947 | 1,038 | 1,059 | 1,051 | 1,125 | 1,075 | 1,018 | 1,023 | 1,125 | 1,094 | 1,075 | 1,047 | 1,028 |
| Unemployment rate | 17.6 | 19.2 | 19.6 | 19.2 | 20.5 | 19.7 | 18.7 | 18.8 | 20.3 | 19.8 | 19.2 | 18.7 | 18.4 |
| Women, 20 years and over | | | | | | | | | | | | | |
| Civilian labor force | 5,183 | 5,187 | 5,169 | 5,157 | 5,207 | 5,295 | 5,353 | 5,350 | 5,265 | 5,346 | 5,283 | 5,328 | 5,322 |
| Percent of population | 56.5 | 58.4 | 56.1 | 55.9 | 56.5 | 57.3 | 57.8 | 57.7 | 56.6 | 57.4 | 56.6 | 57.0 | 56.8 |
| Employed | 4,366 | 4,371 | 4,332 | 4,305 | 4,349 | 4,329 | 4,441 | 4,404 | 4,372 | 4,431 | 4,384 | 4,477 | 4,447 |
| Employment-population ratio ² | 47.8 | 47.5 | 47.0 | 46.6 | 47.1 | 46.8 | 48.0 | 47.5 | 47.0 | 47.6 | 47.0 | 47.9 | 47.5 |
| Unemployed | 797 | 616 | 637 | 652 | 658 | 665 | 612 | 646 | 693 | 675 | 699 | 651 | 675 |
| Unemployment rate | 15.4 | 15.7 | 16.2 | 16.5 | 16.5 | 18.2 | 17.0 | 17.7 | 17.0 | 17.1 | 17.0 | 16.0 | 16.4 |

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

| Employment status, race, sex, age, and Hispanic origin | 1982 | | | | | 1983 | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| BLACK—Continued | | | | | | | | | | | | | |
| Both sexes, 16 to 19 years | | | | | | | | | | | | | |
| Civilian labor force | 851 | 858 | 839 | 830 | 832 | 788 | 754 | 765 | 827 | 812 | 903 | 825 | 839 |
| Percent of population | 37.9 | 38.3 | 37.5 | 37.2 | 36.8 | 35.0 | 33.5 | 34.1 | 37.0 | 36.4 | 40.5 | 37.1 | 37.8 |
| Employed | 415 | 441 | 439 | 417 | 420 | 428 | 412 | 432 | 422 | 421 | 446 | 428 | 394 |
| Employment-population ratio ² | 18.5 | 19.7 | 19.6 | 18.7 | 18.6 | 19.0 | 18.3 | 19.3 | 18.9 | 20.0 | 19.2 | 17.8 | 17.8 |
| Unemployed | 436 | 417 | 400 | 413 | 412 | 360 | 342 | 333 | 405 | 391 | 457 | 397 | 445 |
| Unemployment rate | 51.2 | 48.6 | 47.7 | 49.8 | 49.5 | 45.7 | 45.4 | 43.5 | 49.0 | 48.2 | 50.6 | 48.1 | 53.0 |
| Men | 50.5 | 51.0 | 49.2 | 53.0 | 52.5 | 45.9 | 45.3 | 44.5 | 48.0 | 53.1 | 51.1 | 47.6 | 56.8 |
| Women | 52.1 | 45.9 | 45.9 | 46.2 | 46.2 | 45.5 | 45.4 | 42.3 | 50.0 | 42.3 | 50.0 | 48.8 | 48.9 |
| HISPANIC ORIGIN | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 9,689 | 9,464 | 9,474 | 9,355 | 9,301 | 9,328 | 9,368 | 9,551 | 9,665 | 9,747 | 9,738 | 9,640 | 9,690 |
| Civilian labor force | 6,045 | 5,961 | 5,973 | 5,923 | 5,898 | 5,981 | 5,992 | 6,074 | 6,206 | 6,187 | 6,253 | 6,079 | 6,124 |
| Percent of population | 62.4 | 63.0 | 63.0 | 63.3 | 63.4 | 64.1 | 64.0 | 63.6 | 64.2 | 63.3 | 64.2 | 63.1 | 63.2 |
| Employed | 5,162 | 5,097 | 5,075 | 5,012 | 4,998 | 5,053 | 5,042 | 5,088 | 5,304 | 5,318 | 5,379 | 5,331 | 5,333 |
| Employment-population ratio ² | 53.3 | 53.9 | 53.6 | 53.6 | 53.7 | 54.2 | 53.8 | 53.3 | 54.9 | 54.6 | 55.2 | 55.3 | 55.0 |
| Unemployed | 883 | 864 | 898 | 911 | 900 | 929 | 950 | 986 | 902 | 849 | 874 | 746 | 790 |
| Unemployment rate | 14.6 | 14.5 | 15.0 | 15.4 | 15.3 | 15.5 | 15.8 | 16.2 | 14.5 | 13.8 | 14.0 | 12.3 | 12.9 |

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-34. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

| Category | 1982 | | | | | 1983 | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| CHARACTERISTIC | | | | | | | | | | | | | |
| Total | 99,683 | 99,543 | 99,176 | 99,136 | 99,093 | 99,103 | 99,063 | 99,103 | 99,458 | 99,557 | 100,786 | 101,285 | 101,563 |
| Married men, spouse present | 38,121 | 37,998 | 37,852 | 37,641 | 37,507 | 37,450 | 37,428 | 37,452 | 37,523 | 37,560 | 37,925 | 38,293 | 38,308 |
| Married women, spouse present | 24,235 | 24,159 | 24,081 | 23,985 | 24,155 | 24,205 | 24,070 | 24,171 | 24,371 | 24,229 | 24,335 | 24,840 | 24,972 |
| Women who maintain families | 5,208 | 5,118 | 5,107 | 5,025 | 4,985 | 5,038 | 5,050 | 5,097 | 4,944 | 4,942 | 5,016 | 5,088 | 5,104 |
| MAJOR INDUSTRY AND CLASS OF WORKER | | | | | | | | | | | | | |
| Agriculture: | | | | | | | | | | | | | |
| Wage and salary workers | 1,548 | 1,537 | 1,576 | 1,584 | 1,547 | 1,637 | 1,624 | 1,515 | 1,560 | 1,595 | 1,636 | 1,663 | 1,864 |
| Self-employed workers | 1,620 | 1,569 | 1,621 | 1,828 | 1,827 | 1,587 | 1,541 | 1,585 | 1,607 | 1,558 | 1,608 | 1,583 | 1,566 |
| Unpaid family workers | 255 | 254 | 229 | 241 | 224 | 231 | 223 | 260 | 208 | 229 | 263 | 259 | 245 |
| Nonagricultural industries: | | | | | | | | | | | | | |
| Wage and salary workers | 88,576 | 88,562 | 88,064 | 87,936 | 87,976 | 87,813 | 87,794 | 87,912 | 88,187 | 88,395 | 89,354 | 89,765 | 89,995 |
| Government | 15,562 | 15,681 | 15,436 | 15,514 | 15,477 | 15,386 | 15,501 | 15,452 | 15,518 | 15,523 | 15,498 | 15,615 | 15,697 |
| Private industries | 73,014 | 72,881 | 72,628 | 72,422 | 72,499 | 72,427 | 72,293 | 72,459 | 72,868 | 72,872 | 73,856 | 74,150 | 74,299 |
| Private households | 1,227 | 1,220 | 1,216 | 1,221 | 1,163 | 1,162 | 1,232 | 1,235 | 1,205 | 1,228 | 1,317 | 1,286 | 1,290 |
| Other industries | 71,787 | 71,661 | 71,412 | 71,201 | 71,336 | 71,265 | 71,061 | 71,225 | 71,463 | 71,644 | 72,539 | 72,864 | 73,009 |
| Self-employed workers | 7,338 | 7,422 | 7,332 | 7,349 | 7,335 | 7,465 | 7,385 | 7,453 | 7,528 | 7,408 | 7,493 | 7,598 | 7,658 |
| Unpaid family workers | 408 | 378 | 403 | 382 | 383 | 380 | 353 | 342 | 353 | 335 | 345 | 320 | 376 |
| PERSONS AT WORK¹ | | | | | | | | | | | | | |
| Nonagricultural industries | 90,486 | 90,884 | 90,232 | 90,238 | 90,219 | 90,903 | 90,207 | 90,271 | 92,267 | 90,941 | 90,539 | 92,253 | 91,986 |
| Full-time schedules | 72,045 | 71,723 | 71,394 | 71,442 | 71,499 | 71,786 | 71,564 | 71,878 | 73,594 | 72,975 | 72,978 | 74,004 | 73,495 |
| Part time for economic reasons | 5,820 | 6,495 | 6,403 | 6,411 | 6,425 | 6,845 | 6,481 | 6,202 | 6,082 | 5,928 | 5,729 | 5,636 | 5,789 |
| Usually work full time | 2,100 | 2,519 | 2,381 | 2,228 | 2,153 | 2,200 | 2,097 | 1,927 | 1,871 | 1,685 | 1,702 | 1,809 | 1,718 |
| Usually work part time | 3,720 | 3,976 | 4,022 | 4,183 | 4,272 | 4,645 | 4,384 | 4,275 | 4,211 | 4,243 | 4,027 | 3,826 | 4,071 |
| Part time for noneconomic reasons | 12,621 | 12,666 | 12,435 | 12,385 | 12,295 | 12,271 | 12,162 | 12,191 | 12,592 | 12,038 | 11,833 | 12,614 | 12,701 |

¹ Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute.

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-35. Employed civilians by sex and age, seasonally adjusted

(In thousands)

| Sex and age | 1982 | | | | | 1983 | | | | | | | |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Total, 16 years and over | 99,683 | 99,543 | 99,176 | 99,136 | 99,093 | 99,103 | 99,063 | 99,103 | 99,458 | 99,557 | 100,786 | 101,285 | 101,563 |
| 16 to 24 years | 20,123 | 20,065 | 19,919 | 19,934 | 19,903 | 19,867 | 19,863 | 19,732 | 19,729 | 19,623 | 20,328 | 20,231 | 20,187 |
| 16 to 19 years | 6,483 | 6,481 | 6,415 | 6,424 | 6,344 | 6,413 | 6,345 | 6,237 | 6,197 | 6,172 | 6,481 | 6,313 | 6,397 |
| 16 to 17 years | 2,422 | 2,432 | 2,415 | 2,426 | 2,364 | 2,438 | 2,362 | 2,307 | 2,279 | 2,272 | 2,303 | 2,262 | 2,348 |
| 18 to 19 years | 4,043 | 4,065 | 3,988 | 3,984 | 3,982 | 3,982 | 3,992 | 3,952 | 3,929 | 3,913 | 4,152 | 4,070 | 4,019 |
| 20 to 24 years | 13,640 | 13,584 | 13,504 | 13,510 | 13,559 | 13,474 | 13,518 | 13,494 | 13,532 | 13,451 | 13,847 | 13,917 | 13,790 |
| 25 years and over | 79,646 | 79,468 | 79,251 | 79,182 | 79,165 | 79,240 | 79,165 | 79,386 | 79,679 | 79,848 | 80,533 | 81,101 | 81,498 |
| 25 to 54 years | 65,365 | 64,982 | 64,949 | 64,858 | 64,890 | 65,005 | 64,902 | 65,184 | 65,582 | 65,807 | 66,404 | 66,831 | 67,267 |
| 55 years and over | 14,302 | 14,561 | 14,289 | 14,315 | 14,272 | 14,233 | 14,179 | 14,138 | 14,067 | 14,094 | 14,127 | 14,229 | 14,212 |
| Men, 16 years and over | 56,159 | 56,072 | 55,932 | 55,892 | 55,809 | 55,752 | 55,706 | 55,772 | 55,946 | 56,128 | 56,939 | 57,104 | 57,032 |
| 16 to 24 years | 10,498 | 10,401 | 10,408 | 10,388 | 10,357 | 10,368 | 10,327 | 10,229 | 10,270 | 10,283 | 10,815 | 10,819 | 10,570 |
| 16 to 19 years | 3,327 | 3,296 | 3,283 | 3,303 | 3,275 | 3,301 | 3,279 | 3,183 | 3,194 | 3,228 | 3,423 | 3,297 | 3,261 |
| 16 to 17 years | 1,252 | 1,229 | 1,229 | 1,258 | 1,233 | 1,295 | 1,260 | 1,212 | 1,158 | 1,188 | 1,218 | 1,189 | 1,203 |
| 18 to 19 years | 2,064 | 2,085 | 2,052 | 2,027 | 2,038 | 2,009 | 2,037 | 1,990 | 2,045 | 2,051 | 2,179 | 2,113 | 2,042 |
| 20 to 24 years | 7,171 | 7,105 | 7,125 | 7,085 | 7,082 | 7,067 | 7,048 | 7,046 | 7,076 | 7,056 | 7,392 | 7,322 | 7,310 |
| 25 years and over | 45,685 | 45,672 | 45,522 | 45,496 | 45,430 | 45,393 | 45,372 | 45,552 | 45,654 | 45,770 | 46,206 | 46,474 | 46,535 |
| 25 to 54 years | 37,205 | 37,044 | 37,019 | 36,968 | 36,947 | 36,968 | 36,913 | 37,135 | 37,278 | 37,477 | 37,780 | 37,947 | 38,068 |
| 55 years and over | 8,473 | 8,644 | 8,485 | 8,508 | 8,471 | 8,446 | 8,415 | 8,400 | 8,378 | 8,345 | 8,436 | 8,489 | 8,461 |
| Women, 16 years and over | 43,524 | 43,471 | 43,244 | 43,244 | 43,284 | 43,350 | 43,357 | 43,331 | 43,512 | 43,428 | 43,847 | 44,181 | 44,531 |
| 16 to 24 years | 9,625 | 9,664 | 9,511 | 9,546 | 9,546 | 9,519 | 9,536 | 9,503 | 9,459 | 9,340 | 9,512 | 9,612 | 9,617 |
| 16 to 19 years | 3,156 | 3,185 | 3,132 | 3,121 | 3,069 | 3,112 | 3,066 | 3,054 | 3,004 | 2,944 | 3,058 | 3,017 | 3,136 |
| 16 to 17 years | 1,170 | 1,203 | 1,186 | 1,168 | 1,131 | 1,143 | 1,102 | 1,095 | 1,121 | 1,084 | 1,085 | 1,073 | 1,145 |
| 18 to 19 years | 1,979 | 1,980 | 1,936 | 1,957 | 1,944 | 1,973 | 1,955 | 1,962 | 1,884 | 1,862 | 1,973 | 1,957 | 1,977 |
| 20 to 24 years | 6,469 | 6,479 | 6,379 | 6,425 | 6,477 | 6,407 | 6,470 | 6,448 | 6,455 | 6,395 | 6,455 | 6,595 | 6,480 |
| 25 years and over | 33,961 | 33,796 | 33,729 | 33,686 | 33,735 | 33,847 | 33,792 | 33,834 | 34,025 | 34,078 | 34,328 | 34,627 | 34,963 |
| 25 to 54 years | 28,160 | 27,938 | 27,930 | 27,870 | 27,943 | 28,037 | 27,989 | 28,049 | 28,304 | 28,330 | 28,624 | 28,884 | 29,199 |
| 55 years and over | 5,829 | 5,917 | 5,804 | 5,807 | 5,807 | 5,787 | 5,764 | 5,738 | 5,689 | 5,749 | 5,691 | 5,740 | 5,752 |

A-36. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

| Sex and age | 1982 | | | | | 1983 | | | | | | | |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Total, 16 years and over | 10,931 | 11,315 | 11,576 | 11,906 | 12,036 | 11,446 | 11,490 | 11,381 | 11,328 | 11,192 | 11,146 | 10,590 | 10,699 |
| 16 to 24 years | 4,484 | 4,490 | 4,577 | 4,685 | 4,642 | 4,462 | 4,444 | 4,375 | 4,353 | 4,332 | 4,332 | 4,087 | 4,260 |
| 16 to 19 years | 2,028 | 2,027 | 2,038 | 2,052 | 2,056 | 1,886 | 1,815 | 1,911 | 1,897 | 1,843 | 1,999 | 1,860 | 1,916 |
| 16 to 17 years | 840 | 878 | 851 | 866 | 893 | 774 | 721 | 774 | 812 | 805 | 799 | 768 | 770 |
| 18 to 19 years | 1,173 | 1,145 | 1,184 | 1,174 | 1,169 | 1,104 | 1,091 | 1,162 | 1,095 | 1,047 | 1,200 | 1,088 | 1,136 |
| 20 to 24 years | 2,456 | 2,463 | 2,539 | 2,633 | 2,586 | 2,576 | 2,629 | 2,464 | 2,456 | 2,489 | 2,333 | 2,227 | 2,344 |
| 25 years and over | 6,413 | 6,824 | 6,997 | 7,194 | 7,402 | 7,000 | 7,054 | 7,029 | 6,954 | 6,889 | 6,863 | 6,479 | 6,413 |
| 25 to 54 years | 5,673 | 6,090 | 6,176 | 6,330 | 6,512 | 6,208 | 6,194 | 6,206 | 6,079 | 6,134 | 6,016 | 5,688 | 5,680 |
| 55 years and over | 781 | 800 | 837 | 862 | 880 | 812 | 802 | 803 | 832 | 795 | 834 | 803 | 757 |
| Men, 16 years and over | 6,345 | 6,703 | 6,844 | 7,006 | 7,046 | 6,633 | 6,762 | 6,657 | 6,731 | 6,620 | 6,351 | 6,238 | 6,244 |
| 16 to 24 years | 2,544 | 2,608 | 2,633 | 2,697 | 2,670 | 2,548 | 2,544 | 2,479 | 2,478 | 2,523 | 2,444 | 2,398 | 2,447 |
| 16 to 19 years | 1,113 | 1,125 | 1,130 | 1,141 | 1,137 | 1,036 | 1,013 | 1,076 | 1,029 | 1,015 | 1,063 | 1,030 | 1,070 |
| 16 to 17 years | 473 | 502 | 498 | 493 | 503 | 419 | 389 | 425 | 429 | 449 | 414 | 460 | 427 |
| 18 to 19 years | 631 | 622 | 628 | 642 | 642 | 617 | 622 | 656 | 604 | 577 | 646 | 568 | 634 |
| 20 to 24 years | 1,431 | 1,483 | 1,503 | 1,556 | 1,533 | 1,512 | 1,531 | 1,403 | 1,449 | 1,508 | 1,381 | 1,368 | 1,377 |
| 25 years and over | 3,802 | 4,098 | 4,213 | 4,292 | 4,388 | 4,078 | 4,230 | 4,199 | 4,237 | 4,102 | 3,918 | 3,808 | 3,790 |
| 25 to 54 years | 3,334 | 3,657 | 3,696 | 3,750 | 3,819 | 3,541 | 3,678 | 3,652 | 3,646 | 3,599 | 3,443 | 3,325 | 3,328 |
| 55 years and over | 490 | 500 | 545 | 560 | 570 | 519 | 507 | 520 | 562 | 515 | 483 | 481 | 475 |
| Women, 16 years and over | 4,586 | 4,612 | 4,732 | 4,900 | 4,990 | 4,813 | 4,727 | 4,724 | 4,597 | 4,572 | 4,795 | 4,351 | 4,455 |
| 16 to 24 years | 1,940 | 1,882 | 1,944 | 1,988 | 1,972 | 1,914 | 1,900 | 1,896 | 1,874 | 1,809 | 1,888 | 1,689 | 1,813 |
| 16 to 19 years | 915 | 902 | 908 | 911 | 919 | 850 | 802 | 835 | 868 | 828 | 936 | 830 | 846 |
| 16 to 17 years | 367 | 376 | 353 | 373 | 390 | 355 | 332 | 349 | 383 | 356 | 385 | 308 | 343 |
| 18 to 19 years | 542 | 523 | 556 | 532 | 527 | 487 | 469 | 506 | 491 | 470 | 554 | 520 | 502 |
| 20 to 24 years | 1,025 | 980 | 1,036 | 1,077 | 1,053 | 1,064 | 1,098 | 1,061 | 1,006 | 981 | 952 | 859 | 967 |
| 25 years and over | 2,611 | 2,726 | 2,784 | 2,902 | 3,014 | 2,922 | 2,824 | 2,830 | 2,717 | 2,787 | 2,945 | 2,671 | 2,623 |
| 25 to 54 years | 2,339 | 2,433 | 2,480 | 2,580 | 2,693 | 2,667 | 2,516 | 2,554 | 2,434 | 2,536 | 2,572 | 2,363 | 2,352 |
| 55 years and over | 291 | 300 | 292 | 302 | 310 | 293 | 294 | 283 | 270 | 280 | 351 | 322 | 282 |

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-37. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

| Sex and age | 1982 | | | | | 1983 | | | | | | | |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Total, 18 years and over | 9.9 | 10.2 | 10.5 | 10.7 | 10.8 | 10.4 | 10.4 | 10.3 | 10.2 | 10.1 | 10.0 | 9.5 | 9.5 |
| 18 to 24 years | 18.2 | 18.3 | 18.7 | 19.0 | 18.9 | 18.3 | 18.3 | 18.1 | 18.1 | 18.1 | 17.8 | 18.8 | 17.4 |
| 18 to 19 years | 23.8 | 23.8 | 24.1 | 24.2 | 24.5 | 22.7 | 22.2 | 23.5 | 23.4 | 23.0 | 23.6 | 22.8 | 23.0 |
| 16 to 17 years | 25.6 | 26.5 | 26.1 | 26.3 | 27.4 | 24.1 | 23.4 | 25.1 | 26.3 | 26.2 | 25.8 | 25.3 | 24.7 |
| 18 to 19 years | 22.5 | 22.0 | 22.9 | 22.8 | 22.7 | 21.7 | 21.5 | 22.7 | 21.8 | 21.1 | 22.4 | 21.1 | 22.0 |
| 20 to 24 years | 15.3 | 15.3 | 15.8 | 18.3 | 16.0 | 18.1 | 16.3 | 15.4 | 15.4 | 15.6 | 14.4 | 13.8 | 14.5 |
| 25 years and over | 7.5 | 7.9 | 8.1 | 8.3 | 8.6 | 6.1 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 7.4 | 7.3 |
| 25 to 54 years | 6.0 | 8.8 | 8.7 | 8.9 | 9.1 | 8.7 | 8.7 | 8.7 | 6.5 | 8.5 | 8.3 | 7.8 | 7.8 |
| 55 years and over | 5.2 | 5.2 | 5.5 | 5.7 | 5.8 | 5.4 | 5.4 | 5.4 | 5.6 | 5.3 | 5.6 | 5.3 | 5.1 |
| Men, 18 years and over | 10.2 | 10.7 | 10.9 | 11.1 | 11.2 | 10.6 | 10.8 | 10.7 | 10.7 | 10.6 | 10.0 | 9.8 | 9.9 |
| 18 to 24 years | 19.5 | 20.0 | 20.2 | 20.8 | 20.5 | 19.7 | 19.8 | 19.5 | 19.4 | 19.7 | 18.4 | 18.4 | 18.8 |
| 16 to 19 years | 25.1 | 25.4 | 25.6 | 25.7 | 25.8 | 23.9 | 23.6 | 25.3 | 24.4 | 23.9 | 23.7 | 23.8 | 24.7 |
| 16 to 17 years | 27.4 | 29.0 | 28.8 | 28.2 | 29.0 | 24.4 | 23.6 | 26.0 | 27.0 | 27.4 | 25.4 | 27.9 | 26.2 |
| 18 to 19 years | 23.4 | 23.0 | 23.4 | 24.1 | 24.0 | 23.5 | 23.4 | 24.8 | 22.8 | 22.0 | 22.9 | 21.2 | 23.7 |
| 20 to 24 years | 16.6 | 17.3 | 17.4 | 18.0 | 17.6 | 17.6 | 17.8 | 16.8 | 17.0 | 17.8 | 15.7 | 15.7 | 15.9 |
| 25 years and over | 7.7 | 8.2 | 8.5 | 8.6 | 8.8 | 8.2 | 8.5 | 8.4 | 8.5 | 8.2 | 7.6 | 7.6 | 7.5 |
| 25 to 54 years | 8.2 | 9.0 | 9.1 | 9.2 | 9.4 | 6.7 | 9.1 | 9.0 | 8.9 | 8.8 | 8.4 | 8.1 | 8.0 |
| 55 years and over | 5.5 | 5.5 | 6.0 | 6.2 | 6.3 | 5.8 | 5.7 | 5.8 | 6.3 | 5.8 | 5.4 | 5.4 | 5.3 |
| Women, 18 years and over | 9.5 | 9.8 | 9.9 | 10.2 | 10.3 | 10.0 | 9.6 | 9.8 | 9.6 | 9.5 | 9.9 | 9.0 | 9.1 |
| 16 to 24 years | 16.8 | 16.3 | 17.0 | 17.2 | 17.1 | 16.7 | 16.8 | 16.6 | 16.5 | 16.2 | 16.6 | 14.9 | 15.9 |
| 16 to 19 years | 22.5 | 22.1 | 22.5 | 22.6 | 23.0 | 21.5 | 20.7 | 21.5 | 22.4 | 21.9 | 23.4 | 21.6 | 21.2 |
| 16 to 17 years | 23.9 | 23.6 | 22.9 | 24.2 | 25.6 | 23.7 | 23.2 | 24.2 | 25.5 | 24.7 | 26.2 | 22.3 | 23.1 |
| 18 to 19 years | 21.5 | 20.9 | 22.3 | 21.4 | 21.3 | 19.6 | 19.3 | 20.5 | 20.7 | 20.2 | 21.9 | 21.0 | 20.3 |
| 20 to 24 years | 13.7 | 13.1 | 14.0 | 14.4 | 14.0 | 14.2 | 14.5 | 14.1 | 13.5 | 13.3 | 12.9 | 11.5 | 13.0 |
| 25 years and over | 7.1 | 7.5 | 7.6 | 7.9 | 6.2 | 7.9 | 7.7 | 7.7 | 7.4 | 7.6 | 7.9 | 7.2 | 7.0 |
| 25 to 54 years | 7.7 | 6.0 | 8.2 | 8.5 | 8.8 | 6.7 | 8.2 | 8.3 | 7.9 | 8.2 | 8.2 | 7.6 | 7.5 |
| 55 years and over | 4.8 | 4.8 | 4.8 | 4.9 | 5.1 | 4.8 | 4.9 | 4.7 | 4.5 | 4.6 | 5.8 | 5.3 | 4.7 |

A-38. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

| Category | 1982 | | | | | 1983 | | | | | | | |
|---|------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| CHARACTERISTIC | | | | | | | | | | | | | |
| Total (all civilian workers) | 9.9 | 10.2 | 10.5 | 10.7 | 10.8 | 10.4 | 10.4 | 10.3 | 10.2 | 10.1 | 10.0 | 9.5 | 9.5 |
| Men, 20 years and over | 9.0 | 9.6 | 9.8 | 10.0 | 10.1 | 9.6 | 9.9 | 9.6 | 9.8 | 9.6 | 9.0 | 8.8 | 8.6 |
| Women, 20 years and over | 6.3 | 8.4 | 8.7 | 9.0 | 9.2 | 9.0 | 8.9 | 8.8 | 8.4 | 8.5 | 8.6 | 7.9 | 8.0 |
| Both sexes, 16 to 19 years | 23.8 | 23.8 | 24.1 | 24.2 | 24.5 | 22.7 | 22.2 | 23.5 | 23.4 | 23.0 | 23.6 | 22.8 | 23.0 |
| White | 6.7 | 9.1 | 9.3 | 9.6 | 9.7 | 9.1 | 9.2 | 9.0 | 8.9 | 8.9 | 8.6 | 6.2 | 8.2 |
| Black and other | 17.7 | 18.1 | 18.4 | 18.5 | 18.8 | 19.0 | 18.0 | 18.5 | 18.8 | 18.8 | 18.9 | 17.9 | 18.1 |
| Black | 19.1 | 19.6 | 20.1 | 20.2 | 20.8 | 20.8 | 19.7 | 19.9 | 20.8 | 20.6 | 20.6 | 19.5 | 20.0 |
| Hispanic origin | 14.6 | 14.5 | 15.0 | 15.4 | 15.3 | 15.5 | 15.8 | 16.2 | 14.5 | 13.8 | 14.0 | 12.3 | 12.9 |
| Married men, spouse present | 6.6 | 7.2 | 7.5 | 7.6 | 7.8 | 7.1 | 7.2 | 7.1 | 7.1 | 7.0 | 6.6 | 6.1 | 6.3 |
| Married women, spouse present | 7.3 | 7.6 | 7.9 | 8.2 | 8.2 | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 7.8 | 7.0 | 6.9 |
| Women who maintain families | 11.7 | 12.4 | 11.3 | 12.5 | 13.2 | 13.2 | 13.0 | 13.5 | 13.2 | 12.9 | 12.6 | 11.6 | 11.6 |
| Full-time workers | 9.7 | 10.2 | 10.5 | 10.6 | 10.8 | 10.3 | 10.4 | 10.3 | 10.2 | 9.9 | 9.7 | 9.4 | 9.4 |
| Part-time workers | 10.4 | 10.6 | 10.3 | 11.3 | 11.1 | 10.6 | 10.1 | 10.5 | 10.6 | 11.0 | 12.1 | 10.2 | 10.1 |
| Unemployed 15 weeks and over ¹ | 3.3 | 3.5 | 3.8 | 4.1 | 4.3 | 4.2 | 4.2 | 4.2 | 3.9 | 4.1 | 4.1 | 3.9 | 3.6 |
| Labor force time lost ² | 10.9 | 11.7 | 12.0 | 12.4 | 12.7 | 11.7 | 12.0 | 11.8 | 11.4 | 11.5 | 10.8 | 10.4 | 10.6 |
| INDUSTRY | | | | | | | | | | | | | |
| Nonagricultural private wage and salary workers | 10.2 | 10.7 | 11.0 | 11.4 | 11.6 | 10.6 | 10.8 | 10.8 | 10.5 | 10.5 | 10.0 | 9.6 | 9.8 |
| Mining | 16.0 | 18.5 | 17.9 | 18.1 | 16.1 | 17.1 | 18.4 | 18.6 | 20.3 | 22.7 | 18.2 | 16.6 | 14.8 |
| Construction | 20.4 | 22.0 | 22.3 | 21.8 | 22.0 | 20.0 | 19.7 | 20.3 | 20.3 | 20.4 | 18.1 | 16.0 | 16.1 |
| Manufacturing | 12.4 | 13.6 | 14.1 | 14.6 | 14.6 | 13.0 | 13.3 | 12.8 | 12.4 | 12.3 | 11.5 | 10.5 | 11.2 |
| Durable goods | 13.3 | 14.9 | 16.0 | 17.0 | 17.1 | 14.7 | 14.7 | 14.1 | 13.5 | 13.5 | 12.2 | 11.2 | 11.6 |
| Nondurable goods | 11.0 | 11.6 | 11.2 | 11.4 | 11.4 | 10.5 | 11.4 | 11.1 | 10.8 | 10.5 | 10.4 | 9.6 | 10.6 |
| Transportation and public utilities | 7.1 | 7.3 | 7.9 | 8.3 | 8.0 | 7.8 | 6.0 | 7.8 | 7.7 | 7.0 | 7.8 | 7.0 | 8.0 |
| Wholesale and retail trade | 10.0 | 10.0 | 10.4 | 10.6 | 11.0 | 10.8 | 10.9 | 11.2 | 10.4 | 10.1 | 10.2 | 9.7 | 9.8 |
| Finance and service industries | 7.0 | 7.0 | 7.1 | 7.7 | 7.9 | 7.6 | 7.3 | 7.2 | 7.3 | 7.5 | 7.2 | 7.3 | 7.2 |
| Agricultural wage and salary workers | 14.2 | 13.5 | 13.3 | 15.6 | 16.5 | 16.0 | 16.4 | 16.3 | 17.2 | 17.0 | 17.0 | 14.2 | 14.6 |

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

A-39. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

| Weeks of unemployment | 1982 | | | | | 1983 | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| DURATION | | | | | | | | | | | | | |
| Less than 5 weeks | 3,933 | 4,004 | 3,930 | 3,983 | 4,019 | 3,536 | 3,731 | 3,440 | 3,547 | 3,519 | 3,655 | 3,498 | 3,680 |
| 5 to 14 weeks | 3,348 | 3,549 | 3,511 | 3,549 | 3,460 | 3,328 | 3,108 | 3,140 | 3,154 | 2,979 | 2,915 | 2,794 | 3,026 |
| 15 weeks and over | 3,837 | 3,856 | 4,167 | 4,524 | 4,732 | 4,634 | 4,818 | 4,815 | 4,356 | 4,517 | 4,589 | 4,417 | 4,020 |
| 15 to 26 weeks | 1,808 | 1,830 | 1,951 | 2,191 | 2,125 | 1,928 | 1,928 | 1,875 | 1,662 | 1,731 | 1,638 | 1,830 | 1,573 |
| 27 weeks and over | 1,829 | 2,026 | 2,216 | 2,333 | 2,807 | 2,706 | 2,889 | 2,740 | 2,694 | 2,786 | 2,951 | 2,587 | 2,447 |
| Average (mean) duration, in weeks | 16.1 | 18.8 | 17.1 | 17.3 | 18.0 | 19.4 | 19.0 | 19.1 | 19.0 | 20.4 | 22.0 | 21.7 | 19.9 |
| Median duration, in weeks | 8.3 | 9.4 | 9.6 | 10.0 | 10.1 | 11.5 | 9.8 | 10.3 | 11.3 | 12.3 | 11.8 | 9.9 | 8.9 |
| PERCENT DISTRIBUTION | | | | | | | | | | | | | |
| 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 | 36.0 | 35.1 | 33.9 | 32.9 | 32.9 | 30.8 | 32.8 | 30.7 | 32.1 | 31.9 | 32.8 | 32.7 | 34.2 |
| 5 to 14 weeks | 30.7 | 31.1 | 30.2 | 29.5 | 28.3 | 28.9 | 27.1 | 28.1 | 28.5 | 27.0 | 26.1 | 26.1 | 28.3 |
| 15 weeks and over | 33.3 | 33.8 | 35.9 | 37.6 | 38.8 | 40.3 | 40.3 | 41.2 | 39.4 | 41.0 | 41.1 | 41.2 | 37.5 |
| 15 to 26 weeks | 16.6 | 16.0 | 16.8 | 18.2 | 17.4 | 16.8 | 16.8 | 16.7 | 15.0 | 15.7 | 14.7 | 17.1 | 14.7 |
| 27 weeks and over | 16.8 | 17.8 | 19.1 | 19.4 | 21.3 | 23.5 | 23.5 | 24.5 | 24.4 | 25.3 | 26.4 | 24.2 | 22.9 |

A-40. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

| Reasons for unemployment | 1982 | | | | | 1983 | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| NUMBER OF UNEMPLOYED | | | | | | | | | | | | | |
| Job losers | 8,446 | 6,979 | 7,325 | 7,389 | 7,295 | 6,704 | 6,809 | 6,823 | 6,750 | 6,766 | 6,513 | 6,193 | 6,202 |
| On layoff | 2,218 | 2,625 | 2,519 | 2,531 | 2,468 | 2,131 | 2,024 | 1,945 | 1,948 | 1,843 | 1,822 | 1,719 | 1,658 |
| Other job losers | 4,228 | 4,354 | 4,806 | 4,838 | 4,827 | 4,573 | 4,784 | 4,878 | 4,803 | 4,823 | 4,691 | 4,474 | 4,545 |
| Job leavers | 814 | 786 | 803 | 794 | 826 | 839 | 848 | 901 | 815 | 801 | 782 | 738 | 767 |
| Reentrants | 2,440 | 2,437 | 2,322 | 2,546 | 2,629 | 2,623 | 2,491 | 2,426 | 2,488 | 2,365 | 2,425 | 2,429 | 2,524 |
| New entrants | 1,304 | 1,303 | 1,296 | 1,244 | 1,288 | 1,174 | 1,161 | 1,155 | 1,245 | 1,251 | 1,440 | 1,225 | 1,214 |
| PERCENT DISTRIBUTION | | | | | | | | | | | | | |
| 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 |
| Job losers | 58.8 | 60.7 | 62.4 | 61.6 | 60.6 | 59.1 | 60.2 | 60.4 | 59.7 | 60.5 | 58.4 | 58.5 | 57.9 |
| On layoff | 20.2 | 22.8 | 21.4 | 21.2 | 20.5 | 18.8 | 17.9 | 17.2 | 17.2 | 17.4 | 16.3 | 16.2 | 15.5 |
| Other job losers | 38.4 | 37.8 | 40.9 | 40.5 | 40.1 | 40.3 | 42.3 | 43.1 | 42.5 | 43.1 | 42.0 | 42.3 | 42.4 |
| Job leavers | 7.4 | 6.8 | 6.8 | 6.6 | 6.9 | 7.4 | 7.5 | 8.0 | 7.2 | 7.2 | 7.0 | 7.0 | 7.2 |
| Reentrants | 22.2 | 21.2 | 19.8 | 21.3 | 21.8 | 23.1 | 22.0 | 21.5 | 22.0 | 21.1 | 21.7 | 22.9 | 23.6 |
| New entrants | 11.9 | 11.3 | 11.0 | 10.4 | 10.7 | 10.4 | 10.3 | 10.2 | 11.0 | 11.2 | 12.9 | 11.6 | 11.3 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE | | | | | | | | | | | | | |
| Job losers | 5.8 | 6.3 | 6.6 | 6.6 | 6.6 | 6.1 | 6.2 | 6.2 | 6.1 | 6.1 | 5.8 | 5.5 | 5.5 |
| Job leavers | .7 | .7 | .7 | .7 | .7 | .8 | .8 | .8 | .7 | .7 | .7 | .7 | .7 |
| Reentrants | 2.2 | 2.2 | 2.1 | 2.3 | 2.4 | 2.4 | 2.3 | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 |
| New entrants | 1.2 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 | 1.1 | 1.0 | 1.1 | 1.1 | 1.3 | 1.1 | 1.1 |

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1932 to date

(In thousands)

| Year and month | Goods-producing | | | | | | | Service-producing | | | | | | | |
|--|-----------------|--------|--------------|---------------|--------|-------------------------------------|----------------------------|-------------------|--------------|-------------------------------------|----------|------------|---------|-----------------|--------|
| | Total | Mining | Construction | Manufacturing | Total | Transportation and public utilities | Wholesale and retail trade | | | Finance, insurance, and real estate | Services | Government | | | |
| | | | | | | | Total | Wholesale trade | Retail trade | | | Total | Federal | State and local | |
| Annual averages | | | | | | | | | | | | | | | |
| 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 | 4,001 | 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 | 28,955 | 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 | 2,758 | 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..... | 89,823 | 26,461 | 958 | 4,463 | 21,040 | 63,363 | 5,136 | 20,192 | 5,204 | 14,989 | 4,975 | 17,112 | 15,947 | 2,773 | 13,174 |
| 1980..... | 90,406 | 25,664 | 1,027 | 4,346 | 20,285 | 64,748 | 5,146 | 20,310 | 5,275 | 15,035 | 5,160 | 17,890 | 16,241 | 2,866 | 13,375 |
| 1981..... | 91,156 | 25,497 | 1,139 | 4,188 | 20,170 | 65,659 | 5,165 | 20,547 | 5,358 | 15,189 | 5,298 | 18,619 | 16,031 | 2,772 | 13,259 |
| 1982..... | 89,596 | 23,907 | 1,143 | 3,911 | 18,853 | 65,689 | 5,081 | 20,401 | 5,280 | 15,122 | 5,340 | 19,064 | 15,803 | 2,739 | 13,064 |
| Monthly data, seasonally adjusted | | | | | | | | | | | | | | | |
| 1982: | | | | | | | | | | | | | | | |
| August..... | 89,264 | 23,672 | 1,113 | 3,893 | 18,666 | 65,592 | 5,056 | 20,410 | 5,265 | 15,145 | 5,344 | 19,097 | 15,685 | 2,739 | 12,946 |
| September... | 89,235 | 23,530 | 1,100 | 3,875 | 18,555 | 65,705 | 5,054 | 20,380 | 5,252 | 15,128 | 5,351 | 19,136 | 15,784 | 2,735 | 13,049 |
| October..... | 88,938 | 23,207 | 1,082 | 3,847 | 18,358 | 65,651 | 5,033 | 20,344 | 5,237 | 15,107 | 5,350 | 19,144 | 15,780 | 2,742 | 13,038 |
| November..... | 88,785 | 23,131 | 1,066 | 3,843 | 18,222 | 65,654 | 5,019 | 20,320 | 5,212 | 15,108 | 5,356 | 19,187 | 15,772 | 2,746 | 13,026 |
| December..... | 88,665 | 23,061 | 1,053 | 3,815 | 18,193 | 65,604 | 5,008 | 20,256 | 5,192 | 15,064 | 5,367 | 19,215 | 15,758 | 2,747 | 13,011 |
| 1983: | | | | | | | | | | | | | | | |
| January..... | 88,885 | 23,186 | 1,037 | 3,905 | 18,244 | 65,099 | 4,979 | 20,355 | 5,185 | 15,170 | 5,374 | 19,238 | 15,753 | 2,748 | 13,005 |
| February..... | 88,746 | 23,049 | 1,014 | 3,790 | 18,245 | 65,697 | 4,966 | 20,343 | 5,181 | 15,162 | 5,384 | 19,262 | 15,742 | 2,742 | 13,000 |
| March..... | 88,814 | 23,030 | 1,006 | 3,757 | 18,267 | 65,784 | 4,963 | 20,350 | 5,176 | 15,174 | 5,391 | 19,356 | 15,724 | 2,742 | 12,982 |
| April..... | 89,090 | 23,159 | 997 | 3,786 | 18,376 | 65,931 | 4,988 | 20,329 | 5,180 | 15,149 | 5,423 | 19,478 | 15,713 | 2,738 | 12,975 |
| May..... | 89,421 | 23,347 | 994 | 3,860 | 18,493 | 66,074 | 4,993 | 20,356 | 5,197 | 15,159 | 5,435 | 19,546 | 15,744 | 2,756 | 12,988 |
| June..... | 89,844 | 23,518 | 1,003 | 3,933 | 18,582 | 66,326 | 4,992 | 20,494 | 5,222 | 15,272 | 5,451 | 19,668 | 15,721 | 2,742 | 12,979 |
| July..... | 90,202 | 23,728 | 1,015 | 3,971 | 18,742 | 66,474 | 4,986 | 20,528 | 5,233 | 15,295 | 5,463 | 19,771 | 15,726 | 2,737 | 12,989 |
| August..... | 89,791 | | | | | | | | | | | | | | |

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|--|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| - | TOTAL | 89,221 | 89,088 | 90,654 | 89,992 | 89,649 | - | - | - | - | - |
| - | PRIVATE SECTOR | 74,212 | 74,211 | 74,795 | 74,936 | 74,718 | 59,934 | 59,922 | 60,472 | 60,582 | 60,320 |
| - | MINING | 1,140 | 1,124 | 1,019 | 1,028 | 1,030 | 825 | 811 | 721 | 729 | 732 |
| 10 | METAL MINING | 65.7 | 63.5 | 62.5 | 62.1 | - | 46.8 | 44.7 | 45.9 | 45.7 | - |
| 101 | Iron ores | 6.0 | 6.2 | 8.6 | 9.1 | - | 5.4 | 3.7 | 5.8 | 6.3 | - |
| 102 | Copper ores | 22.1 | 20.6 | 20.4 | 19.3 | - | 15.7 | 14.4 | 14.9 | 13.9 | - |
| 11, 12 | COAL MINING | 239.5 | 232.1 | 207.7 | 208.2 | - | 195.3 | 187.6 | 167.2 | 167.9 | - |
| 12 | BITUMINOUS COAL AND LIGNITE MINING | 236.1 | 228.7 | 205.0 | 205.5 | - | 152.3 | 184.6 | 164.9 | 165.6 | - |
| 13 | OIL AND GAS EXTRACTION | 718.3 | 711.8 | 633.3 | 641.0 | - | 493.5 | 488.6 | 419.2 | 425.9 | - |
| 131, 2 | Crude petroleum, natural gas, and natural gas liquids | 285.9 | 286.4 | 283.7 | 285.1 | - | 132.4 | 133.7 | 131.7 | 132.4 | - |
| 138 | Oil and gas field services | 432.4 | 425.4 | 349.6 | 355.9 | - | 361.1 | 354.9 | 287.5 | 293.5 | - |
| 14 | NONMETALLIC MINERALS, EXCEPT FUELS | 116.8 | 116.9 | 115.9 | 117.1 | - | 89.3 | 89.6 | 88.9 | 89.5 | - |
| 142 | Crushed and broken stone | 38.2 | 38.7 | 40.7 | 41.1 | - | 31.0 | 31.1 | 32.5 | 32.6 | - |
| 144 | Sand and gravel | 35.5 | 35.5 | 36.2 | 37.0 | - | - | - | - | - | - |
| 147 | Chemical and fertilizer minerals | 23.3 | 23.2 | 19.9 | 19.7 | - | - | - | - | - | - |
| - | CONSTRUCTION | 4,147 | 4,164 | 4,090 | 4,205 | 4,306 | 3,227 | 3,246 | 3,169 | 3,274 | 3,370 |
| 15 | GENERAL BUILDING CONTRACTORS | 1,054.6 | 1,046.1 | 1,060.1 | 1,102.1 | - | 794.7 | 789.3 | 789.4 | 825.6 | - |
| 152 | Residential building construction | 486.0 | 482.2 | 514.7 | 531.9 | - | 355.3 | 353.0 | 374.9 | 387.0 | - |
| 153 | Operative builders | 49.1 | 47.5 | 59.4 | 61.4 | - | 24.4 | 23.2 | 33.4 | 34.6 | - |
| 154 | Nonresidential building construction | 518.9 | 516.4 | 486.0 | 508.8 | - | 415.0 | 413.1 | 381.1 | 404.0 | - |
| 16 | HEAVY CONSTRUCTION CONTRACTORS | 892.6 | 896.9 | 840.2 | 855.3 | - | 720.9 | 723.4 | 677.7 | 693.0 | - |
| 161 | Highway and street construction | 257.4 | 260.1 | 252.8 | 261.4 | - | 219.0 | 221.6 | 214.9 | 223.1 | - |
| 162 | Heavy construction, except highway | 635.2 | 636.8 | 587.4 | 593.9 | - | 501.9 | 501.8 | 462.8 | 469.9 | - |
| 17 | SPECIAL TRADE CONTRACTORS | 2,199.6 | 2,220.6 | 2,189.4 | 2,247.8 | - | 1,711.7 | 1,733.1 | 1,702.0 | 1,755.0 | - |
| 171 | Plumbing, heating, air conditioning | 506.2 | 505.0 | 489.8 | 497.8 | - | 369.0 | 368.0 | 352.5 | 359.6 | - |
| 172 | Painting, paper hanging, decorating | 137.1 | 138.4 | 134.1 | 140.1 | - | 114.8 | 116.4 | 112.1 | 117.8 | - |
| 173 | Electrical work | 411.4 | 412.4 | 391.9 | 400.4 | - | 314.1 | 315.0 | 294.6 | 302.2 | - |
| 174 | Masonry, stonework, and plastering | 321.7 | 323.4 | 332.0 | 343.9 | - | 272.0 | 273.7 | 280.6 | 291.8 | - |
| 175 | Carpentering and flooring | 107.4 | 107.7 | 118.0 | 120.1 | - | 79.7 | 80.6 | 89.2 | 91.3 | - |
| 176 | Roofing and sheet metal work | 164.6 | 167.2 | 158.4 | 164.1 | - | 131.6 | 134.3 | 126.0 | 131.0 | - |
| - | MANUFACTURING | 18,704 | 18,751 | 18,706 | 18,654 | 18,866 | 12,630 | 12,693 | 12,720 | 12,652 | 12,864 |
| 24, 25, 32-39 | DURABLE GOODS | 11,043 | 10,925 | 10,936 | 10,921 | 10,968 | 7,285 | 7,184 | 7,253 | 7,222 | 7,268 |
| 20-23, 26-31 | NONDURABLE GOODS | 7,661 | 7,826 | 7,770 | 7,733 | 7,898 | 5,345 | 5,509 | 5,467 | 5,430 | 5,596 |
| | DURABLE GOODS | | | | | | | | | | |
| 24 | LUMBER AND WOOD PRODUCTS | 614.7 | 621.5 | 697.4 | 705.4 | 722.3 | 504.9 | 510.4 | 583.8 | 590.9 | 606.9 |
| 241 | Logging camps and logging contractors | 81.6 | 82.5 | 88.5 | 90.7 | - | 63.4 | 63.8 | 69.9 | 71.7 | - |
| 242 | Sawmills and planing mills | 182.7 | 184.2 | 208.7 | 211.3 | - | 160.2 | 161.5 | 185.6 | 187.7 | - |
| 2421 | Sawmills and planing mills, general | 153.8 | 154.9 | 175.5 | 178.1 | - | 135.3 | 136.3 | 156.4 | 158.6 | - |
| 2428 | Hardwood dimension and flooring | 25.5 | 25.7 | 28.6 | 28.6 | - | 21.9 | 22.1 | 25.0 | 25.0 | - |
| 243 | Millwork, plywood, and structural members | 178.1 | 181.7 | 208.1 | 210.4 | - | 144.2 | 147.5 | 172.2 | 174.6 | - |
| 2431 | Millwork | 68.2 | 68.8 | 80.0 | 81.5 | - | 53.7 | 54.2 | 64.4 | 65.9 | - |
| 2434 | Wood kitchen cabinets | 41.4 | 42.0 | 47.5 | 48.8 | - | 32.4 | 32.9 | 37.7 | 39.0 | - |
| 2435 | Hardwood veneer and plywood | 21.1 | 22.1 | 23.3 | 23.1 | - | 18.3 | 19.1 | 20.3 | 20.2 | - |
| 2436 | Softwood veneer and plywood | 34.0 | 35.2 | 39.6 | 38.1 | - | 29.7 | 31.1 | 35.6 | 34.1 | - |
| 244 | Wood containers | 38.7 | 37.8 | 40.6 | 41.2 | - | 32.6 | 31.8 | 34.4 | 35.0 | - |
| 245 | Wood buildings and mobile homes | 62.9 | 63.5 | 76.7 | 78.8 | - | 46.4 | 46.7 | 59.5 | 61.6 | - |
| 2451 | Mobile homes | 45.2 | 45.6 | 54.8 | 56.3 | - | 35.2 | 35.4 | 44.3 | 45.7 | - |
| 249 | Miscellaneous wood products | 70.7 | 71.8 | 74.8 | 73.0 | - | 58.1 | 59.1 | 62.2 | 60.3 | - |
| 25 | FURNITURE AND FIXTURES | 418.3 | 431.5 | 448.2 | 446.4 | 457.7 | 328.8 | 340.5 | 355.6 | 353.5 | 366.3 |
| 251 | Household furniture | 254.6 | 264.3 | 278.7 | 274.5 | - | 208.5 | 217.1 | 230.8 | 226.6 | - |
| 2511 | Wood household furniture | 114.0 | 120.0 | 123.4 | 122.2 | - | 97.5 | 102.9 | 106.6 | 105.4 | - |
| 2512 | Upholstered household furniture | 80.1 | 82.7 | 89.3 | 88.8 | - | 64.1 | 66.5 | 72.1 | 71.6 | - |
| 2514 | Metal household furniture | 22.5 | 22.8 | 28.0 | 25.7 | - | 17.4 | 17.6 | 22.6 | 20.3 | - |
| 2515 | Mattresses and bedsprings | 27.6 | 28.2 | 28.8 | 28.7 | - | 20.6 | 21.1 | 21.8 | 21.7 | - |
| 252 | Office furniture | 53.3 | 54.9 | 56.2 | 56.8 | - | 40.8 | 42.2 | 43.2 | 43.7 | - |
| 253 | Public building and related furniture | 22.0 | 22.4 | 21.3 | 21.4 | - | 16.4 | 16.7 | 15.7 | 15.8 | - |
| 254 | Partitions and fixtures | 58.3 | 59.0 | 59.2 | 60.4 | - | 42.7 | 43.4 | 43.4 | 44.8 | - |
| 259 | Miscellaneous furniture and fixtures | 30.1 | 30.9 | 32.8 | 33.3 | - | 20.4 | 21.1 | 22.5 | 22.6 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|---|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|----------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| 32 | STONE, CLAY, AND GLASS PRODUCTS | 589.1 | 587.1 | 586.1 | 587.6 | 596.6 | 447.1 | 446.5 | 448.2 | 449.8 | 459.0 |
| 321 | Flat glass | 15.4 | 16.8 | 16.8 | 16.7 | - | 11.8 | 13.4 | 13.2 | 13.0 | - |
| 322 | Glass and glassware, pressed or blown | 111.4 | 110.1 | 104.3 | 103.4 | - | 93.4 | 92.3 | 87.7 | 87.0 | - |
| 3221 | Glass containers | 63.0 | 62.6 | 57.5 | 57.6 | - | 55.4 | 55.0 | 50.5 | 50.6 | - |
| 3229 | Pressed and blown glass, nec | 48.4 | 47.5 | 46.8 | 45.8 | - | 38.0 | 37.3 | 37.2 | 36.4 | - |
| 323 | Products of purchased glass | 42.4 | 42.2 | 42.5 | 42.4 | - | 28.3 | 28.2 | 27.8 | 27.9 | - |
| 324 | Cement, hydraulic | 27.6 | 27.4 | 26.5 | 26.6 | - | 21.7 | 21.6 | 20.9 | 21.2 | - |
| 325 | Structural clay products | 34.8 | 34.1 | 37.2 | 37.6 | - | 25.4 | 24.6 | 28.2 | 28.6 | - |
| 326 | Pottery and related products | 37.8 | 38.8 | 38.5 | 37.8 | - | 30.3 | 31.1 | 30.3 | 29.5 | - |
| 327 | Concrete, gypsum, and plaster products | 191.7 | 191.0 | 195.6 | 199.4 | - | 146.5 | 146.7 | 151.1 | 154.7 | - |
| 3271 | Concrete block and brick | 18.1 | 18.1 | 18.8 | 19.4 | - | 12.1 | 12.2 | 12.8 | 13.0 | - |
| 3272 | Concrete products, nec | 62.6 | 61.6 | 60.5 | 61.9 | - | 46.6 | 46.2 | 44.9 | 46.5 | - |
| 3273 | Ready-mixed concrete | 93.3 | 93.6 | 97.9 | 99.7 | - | 73.5 | 74.1 | 78.7 | 80.4 | - |
| 329 | Misc. nonmetallic mineral products | 117.4 | 115.8 | 114.4 | 113.5 | - | 81.4 | 80.1 | 80.9 | 79.9 | - |
| 3291 | Abrasive products | 23.4 | 22.3 | 22.3 | 22.5 | - | 14.7 | 13.8 | 14.6 | 14.8 | - |
| 3292 | Asbestos products | 12.7 | 13.1 | 13.3 | 12.9 | - | 9.4 | 9.6 | 9.8 | 9.4 | - |
| 3296 | Mineral wool | 27.2 | 27.1 | 25.8 | 26.3 | - | - | - | - | - | - |
| 33 | PRIMARY METAL INDUSTRIES | 905.4 | 890.8 | 838.9 | 837.0 | 840.3 | 667.8 | 657.3 | 624.4 | 622.0 | 625.3 |
| 331 | Blast furnace and basic steel products | 385.8 | 375.5 | 338.5 | 339.6 | - | 284.9 | 276.9 | 254.3 | 255.4 | - |
| 3312 | Blast furnaces and steel mills | 317.3 | 309.8 | 277.9 | 278.8 | - | 235.1 | 229.4 | 210.3 | 211.3 | - |
| 3317 | Steel pipe and tubes | 26.4 | 25.5 | 22.5 | 22.2 | - | 19.2 | 18.4 | 15.8 | 15.5 | - |
| 332 | Iron and steel foundries | 153.9 | 153.4 | 142.8 | 141.9 | - | 117.4 | 117.4 | 108.7 | 107.5 | - |
| 3321 | Gray iron foundries | 95.4 | 93.6 | 92.6 | 91.5 | - | 75.6 | 73.9 | 73.2 | 72.3 | - |
| 3322 | Malleable iron foundries | 11.8 | 11.3 | 10.3 | 10.3 | - | 8.6 | 8.3 | 7.4 | 7.3 | - |
| 3325 | Steel foundries, nec | 35.7 | 38.7 | 30.8 | 30.9 | - | 25.9 | 29.1 | 22.1 | 21.5 | - |
| 333 | Primary nonferrous metals | 54.1 | 53.1 | 49.6 | 49.7 | - | 38.7 | 37.9 | 35.7 | 35.9 | - |
| 3334 | Primary aluminum | 28.4 | 28.0 | 25.4 | 26.1 | - | 20.8 | 20.6 | 19.1 | 19.8 | - |
| 335 | Nonferrous rolling and drawing | 188.7 | 186.3 | 183.2 | 183.0 | - | 132.9 | 131.0 | 128.8 | 128.7 | - |
| 3351 | Copper rolling and drawing | 26.3 | 26.1 | 26.4 | 26.2 | - | 19.4 | 19.3 | 19.3 | 19.1 | - |
| 3353 | Aluminum sheet, plate, and foil | 30.7 | 30.3 | 29.3 | 30.8 | - | 23.5 | 23.1 | 22.3 | 23.7 | - |
| 3357 | Nonferrous wire drawing and insulating | 80.3 | 78.3 | 76.6 | 75.1 | - | 56.4 | 54.8 | 53.7 | 52.5 | - |
| 336 | Nonferrous foundries | 79.9 | 79.8 | 84.0 | 82.2 | - | 62.5 | 62.6 | 67.2 | 65.2 | - |
| 3361 | Aluminum foundries | 46.9 | 46.7 | 50.1 | 49.4 | - | 37.6 | 37.5 | 41.2 | 40.1 | - |
| 34 | FABRICATED METAL PRODUCTS | 1,417.3 | 1,411.0 | 1,392.4 | 1,380.6 | 1,412.0 | 1,017.2 | 1,012.8 | 1,009.9 | 997.6 | 1,026.3 |
| 341 | Metal cans and shipping containers | 64.8 | 64.9 | 63.5 | 63.4 | - | 54.8 | 54.9 | 53.7 | 53.7 | - |
| 3411 | Metal cans | 52.9 | 53.1 | 51.1 | 51.1 | - | 45.5 | 45.8 | 44.1 | 44.1 | - |
| 342 | Cutlery, hand tools, and hardware | 137.4 | 136.7 | 139.2 | 136.4 | - | 99.6 | 98.6 | 102.6 | 99.5 | - |
| 3423,5 | Hand and edge tools, and hand saws and blades | 45.1 | 45.2 | 44.3 | 43.4 | - | 32.8 | 32.7 | 32.2 | 31.1 | - |
| 3429 | Hardware, nec | 79.3 | 78.3 | 82.2 | 80.9 | - | 57.9 | 56.8 | 61.7 | 60.3 | - |
| 343 | Plumbing and heating, except electric | 58.7 | 58.7 | 62.5 | 62.1 | - | 40.1 | 40.3 | 43.6 | 42.9 | - |
| 3432 | Plumbing fittings and brass goods | 22.4 | 22.6 | 23.9 | 23.3 | - | 17.5 | 17.6 | 18.1 | 17.4 | - |
| 3433 | Heating equipment, except electric | 27.0 | 27.0 | 29.2 | 29.7 | - | 16.7 | 17.0 | 19.0 | 19.3 | - |
| 344 | Fabricated structural metal products | 454.3 | 451.8 | 431.5 | 433.2 | - | 303.6 | 302.3 | 289.8 | 291.1 | - |
| 3441 | Fabricated structural metal | 88.5 | 87.4 | 76.3 | 76.9 | - | 62.0 | 61.1 | 52.2 | 52.6 | - |
| 3442 | Metal doors, sash, and trim | 75.9 | 76.5 | 83.6 | 85.5 | - | 55.1 | 55.8 | 61.2 | 62.9 | - |
| 3443 | Fabricated plate work (boiler shops) | 129.8 | 127.8 | 110.4 | 107.9 | - | 76.1 | 74.8 | 63.5 | 61.8 | - |
| 3444 | Sheet metal work | 99.7 | 99.1 | 100.7 | 102.5 | - | 71.0 | 70.7 | 72.2 | 73.6 | - |
| 3446 | Architectural metal work | 27.0 | 27.6 | 28.5 | 27.9 | - | 18.1 | 18.7 | 19.7 | 19.1 | - |
| 345 | Screw machine products, bolts, etc. | 90.3 | 89.2 | 87.0 | 85.0 | - | 67.1 | 66.5 | 64.6 | 62.8 | - |
| 3451 | Screw machine products | 42.4 | 41.6 | 41.4 | 40.8 | - | 33.0 | 32.5 | 32.4 | 32.0 | - |
| 3452 | Bolts, nuts, rivets, and washers | 47.9 | 47.6 | 45.6 | 44.2 | - | 34.1 | 34.0 | 32.2 | 30.8 | - |
| 346 | Metal forgings and stampings | 228.0 | 226.2 | 230.2 | 226.9 | - | 177.3 | 175.6 | 182.1 | 178.7 | - |
| 3462 | Iron and steel forgings | 38.0 | 36.6 | 32.4 | 32.2 | - | 28.4 | 27.0 | 24.2 | 24.0 | - |
| 3465 | Automotive stampings | 85.0 | 80.3 | 87.4 | 85.0 | - | 71.1 | 66.7 | 74.2 | 71.7 | - |
| 3469 | Metal stampings, nec | 93.8 | 97.9 | 100.1 | 99.1 | - | 69.4 | 73.4 | 75.9 | 75.0 | - |
| 347 | Metal services, nec | 92.4 | 92.7 | 94.2 | 91.1 | - | 72.5 | 72.8 | 75.3 | 72.3 | - |
| 3471 | Plating and polishing | 63.2 | 64.5 | 67.3 | 64.5 | - | 50.7 | 51.9 | 54.9 | 52.2 | - |
| 3479 | Metal coating and allied services | 29.2 | 28.2 | 26.9 | 26.6 | - | 21.8 | 20.9 | 20.4 | 20.1 | - |
| 348 | Ordinance and accessories, nec | 65.3 | 64.9 | 65.4 | 65.7 | - | 41.6 | 40.9 | 42.0 | 42.5 | - |
| 3483 | Ammunition, exc. for small arms, nec | 27.4 | 27.6 | 28.9 | 29.1 | - | 17.5 | 17.4 | 18.8 | 19.2 | - |
| 349 | Misc. fabricated metal products | 226.1 | 225.9 | 218.9 | 216.8 | - | 160.6 | 160.9 | 156.2 | 154.1 | - |
| 3494 | Valves and pipe fittings | 90.9 | 89.7 | 83.1 | 81.5 | - | 59.7 | 58.5 | 53.9 | 52.5 | - |
| 3496 | Misc. fabricated wire products | 48.0 | 50.1 | 50.9 | 50.7 | - | 35.9 | 37.7 | 38.4 | 38.2 | - |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 2,240.4 | 2,186.7 | 2,078.5 | 2,078.8 | 2,075.0 | 1,341.0 | 1,293.1 | 1,214.1 | 1,212.6 | 1,215.1 |
| 351 | Engines and turbines | 111.8 | 106.5 | 102.7 | 101.8 | - | 68.4 | 64.0 | 60.8 | 59.5 | - |
| 3511 | Turbines and turbine generator sets | 41.9 | 40.9 | 37.0 | 36.6 | - | 22.4 | 22.1 | 19.0 | 18.2 | - |
| 3519 | Internal combustion engines, nec | 69.9 | 65.6 | 65.7 | 65.2 | - | 46.0 | 41.9 | 41.8 | 41.3 | - |
| 352 | Farm and garden machinery | 130.3 | 128.5 | 128.5 | 123.8 | - | 80.7 | 79.3 | 82.8 | 79.6 | - |
| 3523 | Farm machinery and equipment | 117.3 | 113.8 | 110.9 | 107.2 | - | 73.0 | 69.8 | 70.5 | 68.2 | - |
| 353 | Construction and related machinery | 331.5 | 315.5 | 268.3 | 267.1 | - | 203.8 | 190.7 | 149.8 | 150.2 | - |
| 3531 | Construction machinery | 105.7 | 98.2 | 91.3 | 90.9 | - | 63.6 | 56.7 | 46.5 | 46.6 | - |

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | | |
|---------------------|--|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|----------------|--|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | |
| | MACHINERY, EXCEPT ELECTRICAL—Continued | | | | | | | | | | | |
| 3532 | Mining machinery | 31.7 | 31.1 | 23.2 | 23.5 | - | 18.7 | 18.4 | 13.0 | 13.4 | - | |
| 3533 | Oil field machinery | 110.8 | 105.5 | 76.6 | 75.2 | - | 73.8 | 69.6 | 46.1 | 45.6 | - | |
| 3535 | Conveyers and conveying equipment | 30.5 | 30.4 | 27.3 | 27.6 | - | 15.9 | 16.1 | 14.1 | 14.2 | - | |
| 3537 | Industrial trucks and tractors | 28.0 | 26.6 | 27.2 | 27.2 | - | 16.9 | 15.8 | 16.3 | 16.4 | - | |
| 354 | Metalworking machinery | 307.0 | 301.8 | 276.4 | 276.4 | - | 212.2 | 208.0 | 190.7 | 190.9 | - | |
| 3541 | Machine tools, metal cutting types | 61.0 | 60.5 | 49.0 | 48.0 | - | 36.2 | 35.5 | 27.6 | 27.1 | - | |
| 3542 | Machine tools, metal forming types | 20.6 | 20.0 | 16.4 | 16.4 | - | 12.4 | 11.9 | 9.5 | 9.5 | - | |
| 3544 | Special dies, tools, jigs, and fixtures | 123.9 | 122.4 | 119.2 | 119.7 | - | 96.0 | 94.7 | 91.8 | 92.3 | - | |
| 3545 | Machine tool accessories | 57.8 | 56.6 | 51.2 | 50.7 | - | 38.2 | 37.3 | 34.5 | 34.0 | - | |
| 3546 | Power driven hand tools | 23.1 | 21.7 | 23.4 | 23.7 | - | 16.3 | 15.5 | 16.8 | 17.0 | - | |
| 355 | Special industry machinery | 175.0 | 173.0 | 158.9 | 158.3 | - | 106.2 | 104.3 | 92.1 | 91.6 | - | |
| 3551 | Food products machinery | 39.2 | 38.9 | 35.8 | 35.3 | - | 24.8 | 24.5 | 21.8 | 21.3 | - | |
| 3552 | Textile machinery | 21.2 | 20.9 | 19.8 | 19.7 | - | 13.9 | 13.8 | 13.2 | 13.0 | - | |
| 3555 | Printing trades machinery | 36.0 | 35.8 | 33.8 | 33.7 | - | 21.7 | 21.3 | 19.2 | 19.2 | - | |
| 356 | General industrial machinery | 282.2 | 277.1 | 252.1 | 252.4 | - | 174.4 | 170.4 | 154.6 | 154.6 | - | |
| 3561 | Pumps and pumping equipment | 55.8 | 55.1 | 49.6 | 49.2 | - | 31.3 | 30.8 | 27.3 | 27.1 | - | |
| 3562 | Ball and roller bearings | 47.8 | 46.2 | 44.8 | 44.8 | - | 35.2 | 33.8 | 33.1 | 32.8 | - | |
| 3563 | Air and gas compressors | 26.7 | 27.9 | 23.6 | 23.7 | - | 15.5 | 15.0 | 11.7 | 11.8 | - | |
| 3564 | Blowers and fans | 37.5 | 37.2 | 34.2 | 34.0 | - | 23.1 | 22.7 | 20.9 | 20.6 | - | |
| 3566 | Speed changers, drives, and gears | 21.4 | 21.6 | 19.0 | 19.0 | - | 13.7 | 13.6 | 11.9 | 11.8 | - | |
| 3566 | Power transmission equipment, nec | 19.5 | 18.5 | 16.7 | 16.9 | - | 12.9 | 12.2 | 10.9 | 11.1 | - | |
| 357 | Office and computing machines | 480.3 | 476.4 | 488.0 | 492.1 | - | 190.4 | 186.1 | 193.2 | 193.4 | - | |
| 3573 | Electronic computing equipment | 411.4 | 410.5 | 422.1 | 427.0 | - | 155.3 | 153.3 | 160.2 | 161.9 | - | |
| 358 | Refrigeration and service machinery | 158.9 | 152.0 | 157.2 | 158.7 | - | 108.2 | 100.6 | 107.4 | 108.6 | - | |
| 3585 | Refrigeration and heating equipment | 108.2 | 101.8 | 109.2 | 110.6 | - | 74.8 | 68.0 | 76.0 | 77.0 | - | |
| 359 | Misc. machinery, except electrical | 263.4 | 255.9 | 246.4 | 248.2 | - | 196.7 | 189.7 | 182.7 | 184.2 | - | |
| 3592 | Carburetors, pistons, rings, valves | 33.9 | 34.0 | 33.3 | 33.4 | - | 26.0 | 26.2 | 26.5 | 26.6 | - | |
| 3599 | Machinery, except electrical, nec | 229.5 | 221.9 | 213.1 | 214.8 | - | 170.7 | 163.5 | 156.2 | 157.6 | - | |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 2,007.3 | 2,003.2 | 2,039.9 | 2,042.3 | 2,027.6 | 1,202.1 | 1,198.0 | 1,234.7 | 1,230.5 | 1,213.9 | |
| 361 | Electric distributing equipment | 110.0 | 109.1 | 109.0 | 107.7 | - | 76.4 | 76.0 | 77.8 | 76.8 | - | |
| 3612 | Transformers | 49.6 | 49.0 | 47.7 | 47.0 | - | 35.0 | 35.0 | 33.6 | 32.9 | - | |
| 3613 | Switchgear and switchboard apparatus | 60.4 | 60.1 | 61.3 | 60.7 | - | 41.4 | 41.0 | 44.2 | 43.9 | - | |
| 362 | Electrical industrial apparatus | 202.5 | 198.4 | 191.0 | 190.8 | - | 139.5 | 136.4 | 131.6 | 130.7 | - | |
| 3621 | Motors and generators | 98.6 | 96.4 | 96.6 | 96.2 | - | 73.8 | 72.2 | 73.6 | 73.2 | - | |
| 3622 | Industrial controls | 63.6 | 63.3 | 58.0 | 57.8 | - | 38.1 | 38.1 | 33.9 | 33.2 | - | |
| 363 | Household appliances | 140.8 | 138.4 | 149.6 | 149.1 | - | 108.4 | 106.1 | 117.2 | 116.4 | - | |
| 3632 | Household refrigerators and freezers | 26.9 | 25.2 | 25.5 | 27.1 | - | 21.4 | 19.9 | 20.3 | 22.0 | - | |
| 3633 | Household laundry equipment | 20.3 | 17.3 | 23.6 | 23.4 | - | 15.1 | 12.2 | 18.4 | 18.3 | - | |
| 3634 | Electric housewares and fans | 41.0 | 44.4 | 43.9 | 41.8 | - | 31.6 | 34.3 | 33.9 | 31.6 | - | |
| 364 | Electric lighting and wiring equipment | 182.6 | 184.5 | 186.4 | 184.1 | - | 132.3 | 133.5 | 136.0 | 134.6 | - | |
| 3641 | Electric lamps | 29.4 | 30.3 | 27.0 | 26.9 | - | 25.3 | 26.4 | 23.6 | 23.4 | - | |
| 3643 | Current-carrying wiring devices | 75.4 | 77.4 | 79.5 | 78.4 | - | 49.9 | 51.0 | 52.9 | 52.7 | - | |
| 3644 | Noncurrent-carrying wiring devices | 17.9 | 17.3 | 17.1 | 16.8 | - | 13.0 | 12.3 | 12.3 | 12.0 | - | |
| 3645 | Residential lighting fixtures | 21.5 | 21.8 | 24.5 | 23.9 | - | 15.8 | 16.2 | 18.5 | 18.0 | - | |
| 365 | Radio and TV receiving equipment | 89.4 | 89.6 | 86.8 | 83.9 | - | 60.6 | 60.8 | 60.2 | 57.2 | - | |
| 3651 | Radio and TV receiving sets | 70.4 | 70.2 | 67.3 | 64.6 | - | 47.1 | 47.4 | 45.8 | 43.2 | - | |
| 366 | Communication equipment | 574.6 | 572.6 | 581.5 | 585.9 | - | 266.5 | 264.0 | 262.9 | 264.1 | - | |
| 3661 | Telephone and telegraph apparatus | 147.8 | 146.2 | 138.1 | 140.1 | - | 95.1 | 93.6 | 86.7 | 88.3 | - | |
| 3662 | Radio and TV communication equipment | 426.8 | 426.4 | 443.4 | 445.8 | - | 171.4 | 170.4 | 176.2 | 175.8 | - | |
| 367 | Electronic components and accessories | 564.5 | 566.3 | 589.1 | 595.0 | - | 318.6 | 320.1 | 345.1 | 347.7 | - | |
| 3671-3 | Electronic tubes | 42.5 | 42.6 | 44.2 | 44.2 | - | 26.0 | 25.9 | 28.1 | 28.0 | - | |
| 3674 | Semiconductors and related devices | 432.3 | 431.5 | 437.2 | 440.4 | - | 90.4 | 90.3 | 99.3 | 100.3 | - | |
| 3679 | Electronic components, nec | 220.8 | 223.0 | 237.2 | 239.1 | - | 150.7 | 152.3 | 165.0 | 165.9 | - | |
| 369 | Misc. electrical equipment and supplies | 142.9 | 144.3 | 146.5 | 145.8 | - | 99.8 | 101.1 | 103.9 | 103.0 | - | |
| 3691 | Storage batteries | 27.9 | 29.5 | 28.8 | 28.7 | - | 21.2 | 22.7 | 22.4 | 22.3 | - | |
| 3694 | Engine electrical equipment | 56.0 | 55.4 | 57.5 | 56.8 | - | 43.1 | 42.4 | 44.4 | 43.8 | - | |
| 37 | TRANSPORTATION EQUIPMENT | 1,753.7 | 1,692.2 | 1,775.7 | 1,778.9 | 1,752.8 | 1,093.7 | 1,037.5 | 1,116.7 | 1,112.2 | 1,084.5 | |
| 371 | Motor vehicles and equipment | 721.5 | 678.6 | 768.5 | 770.1 | - | 532.5 | 492.1 | 580.0 | 578.2 | - | |
| 3711 | Motor vehicles and car bodies | 330.8 | 301.5 | 363.3 | 366.0 | - | 232.8 | 205.1 | 264.6 | 264.8 | - | |
| 3713 | Truck and bus bodies | 32.6 | 28.7 | 32.3 | 32.4 | - | 24.7 | 20.9 | 24.6 | 24.7 | - | |
| 3714 | Motor vehicle parts and accessories | 331.7 | 323.1 | 339.8 | 337.8 | - | 256.0 | 248.1 | 265.3 | 262.7 | - | |
| 3715 | Truck trailers | 19.6 | 19.7 | 22.7 | 23.2 | - | 13.8 | 14.0 | 17.1 | 17.3 | - | |
| 372 | Aircraft and parts | 596.7 | 584.5 | 576.1 | 575.2 | - | 300.6 | 289.8 | 279.8 | 276.9 | - | |
| 3721 | Aircraft | 317.7 | 311.8 | 306.4 | 305.8 | - | 142.4 | 137.1 | 132.1 | 129.9 | - | |
| 3724 | Aircraft engines and engine parts | 146.7 | 142.9 | 140.2 | 139.3 | - | 82.0 | 79.4 | 74.2 | 73.3 | - | |
| 3728 | Aircraft equipment, nec | 132.3 | 129.8 | 129.5 | 130.1 | - | 76.2 | 73.3 | 73.5 | 73.7 | - | |
| 373 | Ship and boat building and repairing | 209.8 | 206.5 | 197.2 | 199.9 | - | 159.5 | 157.4 | 149.7 | 151.4 | - | |
| 3731 | Ship building and repairing | 172.9 | 170.9 | 152.7 | 156.3 | - | 129.9 | 128.9 | 112.7 | 115.6 | - | |
| 3732 | Boat building and repairing | 36.9 | 35.6 | 44.5 | 43.6 | - | 29.6 | 28.5 | 37.0 | 35.8 | - | |
| 374 | Railroad equipment | 36.7 | 35.7 | 29.4 | 29.5 | - | 22.7 | 22.0 | 18.5 | 18.6 | - | |
| 376 | Guided missiles, space vehicles, parts | 133.1 | 133.6 | 142.2 | 144.1 | - | 40.2 | 40.5 | 45.7 | 46.4 | - | |
| 3761 | Guided missiles and space vehicles | 105.6 | 106.2 | 112.7 | 114.3 | - | 30.3 | 30.7 | 35.1 | 35.8 | - | |

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by Industry—Continued

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|--|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|----------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | TRANSPORTATION EQUIPMENT—Continued | | | | | | | | | | |
| 379 | Miscellaneous transportation equipment | 42.2 | 40.4 | 48.2 | 46.2 | - | 28.8 | 26.8 | 32.6 | 30.6 | - |
| 3792 | Travel trailers and campers | 16.2 | 16.3 | 20.6 | 19.2 | - | 12.4 | 12.5 | 16.3 | 15.0 | - |
| 38 | INSTRUMENTS AND RELATED PRODUCTS..... | 718.7 | 713.8 | 692.3 | 688.9 | 693.1 | 410.6 | 407.8 | 386.3 | 382.7 | 386.6 |
| 381 | Engineering and scientific instruments | 81.9 | 80.9 | 80.5 | 80.6 | - | 37.9 | 37.1 | 37.0 | 36.9 | - |
| 382 | Measuring and controlling devices | 246.1 | 243.7 | 235.9 | 235.3 | - | 148.7 | 146.5 | 138.0 | 137.3 | - |
| 3822 | Environmental controls | 42.2 | 41.9 | 44.2 | 44.2 | - | 27.8 | 27.5 | 28.8 | 28.9 | - |
| 3823 | Process control instruments | 59.9 | 59.1 | 54.5 | 54.0 | - | 30.4 | 29.7 | 26.1 | 25.4 | - |
| 3825 | Instruments to measure electricity | 102.8 | 102.5 | 98.6 | 98.8 | - | 62.7 | 62.2 | 57.1 | 57.4 | - |
| 383 | Optical instruments and lenses | 33.4 | 33.0 | 33.6 | 33.9 | - | 18.1 | 17.8 | 16.7 | 17.3 | - |
| 384 | Medical instruments and supplies | 157.8 | 158.3 | 160.4 | 159.6 | - | 96.2 | 96.4 | 97.6 | 96.9 | - |
| 3841 | Surgical and medical instruments | 76.5 | 76.5 | 77.5 | 77.6 | - | 44.2 | 43.9 | 45.0 | 45.4 | - |
| 3842 | Surgical appliances and supplies | 66.0 | 66.7 | 69.1 | 68.3 | - | 42.9 | 43.5 | 44.6 | 43.6 | - |
| 385 | Ophthalmic goods | 38.3 | 38.0 | 37.3 | 36.6 | - | 26.7 | 26.4 | 25.6 | 24.6 | - |
| 386 | Photographic equipment and supplies | 144.1 | 141.9 | 127.4 | 126.7 | - | 71.2 | 70.8 | 59.7 | 58.9 | - |
| 387 | Watches, clocks, and watchcases | 17.1 | 18.0 | 17.2 | 16.2 | - | 11.8 | 12.8 | 11.7 | 10.8 | - |
| 39 | MISCELLANEOUS MANUFACTURING INDUSTRIES..... | 378.5 | 387.0 | 386.3 | 375.5 | 390.7 | 272.2 | 280.4 | 279.1 | 270.2 | 284.0 |
| 391 | Jewelry, silverware, and plated ware | 51.7 | 55.9 | 55.5 | 51.0 | - | 36.0 | 39.7 | 39.0 | 35.5 | - |
| 3911 | Jewelry, precious metal | 33.7 | 36.3 | 36.4 | 33.4 | - | 23.4 | 25.8 | 25.5 | 23.1 | - |
| 393 | Musical instruments | 18.4 | 18.8 | 19.1 | 19.3 | - | 14.3 | 14.7 | 14.8 | 15.0 | - |
| 394 | Toys and sporting goods | 113.2 | 113.5 | 113.3 | 112.3 | - | 83.7 | 83.9 | 82.2 | 81.3 | - |
| 3942, 4 | Dolls, games, toys, and children's vehicles | 59.9 | 62.0 | 60.6 | 59.8 | - | 42.9 | 44.6 | 42.4 | 41.8 | - |
| 3949 | Sporting and athletic goods, nec | 53.3 | 51.5 | 52.7 | 52.5 | - | 40.8 | 39.3 | 39.8 | 39.5 | - |
| 395 | Pens, pencils, office and art supplies | 31.7 | 31.5 | 31.4 | 30.8 | - | 21.6 | 21.6 | 21.9 | 21.3 | - |
| 396 | Costume jewelry and notions | 36.2 | 38.9 | 39.8 | 35.8 | - | 27.1 | 29.8 | 30.6 | 27.2 | - |
| 3961 | Costume jewelry | 17.8 | 20.4 | 20.9 | 18.5 | - | 13.5 | 16.1 | 16.2 | 14.1 | - |
| 399 | Miscellaneous manufactures | 127.3 | 128.4 | 127.2 | 126.3 | - | 89.5 | 90.7 | 90.6 | 85.9 | - |
| 3993 | Signs and advertising displays | 46.8 | 47.2 | 48.4 | 48.3 | - | 33.0 | 33.4 | 34.1 | 34.1 | - |
| | NONDURABLE GOODS | | | | | | | | | | |
| 20 | FOOD AND KINDRED PRODUCTS | 1,666.1 | 1,730.9 | 1,626.6 | 1,668.4 | 1,712.0 | 1,149.3 | 1,215.4 | 1,117.9 | 1,156.9 | 1,199.4 |
| 201 | Meat products | 346.5 | 347.2 | 340.8 | 349.0 | - | 289.1 | 290.1 | 284.2 | 292.1 | - |
| 2011 | Meat packing plants | 144.2 | 143.5 | 137.2 | 143.0 | - | 117.8 | 117.5 | 111.0 | 116.7 | - |
| 2013 | Sausages and other prepared meats | 71.9 | 72.2 | 71.1 | 72.0 | - | 53.7 | 53.9 | 53.0 | 53.5 | - |
| 2016 | Poultry dressing plants | 114.8 | 115.5 | 116.4 | 117.8 | - | 104.0 | 104.6 | 106.0 | 107.5 | - |
| 202 | Dairy products | 170.9 | 170.5 | 169.1 | 168.9 | - | 97.0 | 96.7 | 97.0 | 97.6 | - |
| 2022 | Cheese, natural and processed | 36.9 | 36.6 | 36.3 | 36.1 | - | 27.9 | 27.6 | 27.9 | 27.9 | - |
| 2026 | Fluid milk | 94.5 | 94.3 | 92.3 | 92.1 | - | 43.1 | 43.0 | 42.8 | 43.0 | - |
| 203 | Preserved fruits and vegetables | 263.6 | 318.9 | 230.8 | 257.3 | - | 220.2 | 274.7 | 189.1 | 213.7 | - |
| 2032 | Canned specialties | 23.2 | 26.0 | 22.6 | 23.2 | - | 16.8 | 19.6 | 16.7 | 17.3 | - |
| 2033 | Canned fruits and vegetables | 110.1 | 159.0 | 73.6 | 96.9 | - | 91.5 | 140.4 | 57.7 | 80.1 | - |
| 2037 | Frozen fruits and vegetables | 49.1 | 52.9 | 52.2 | 51.4 | - | 43.1 | 46.6 | 45.5 | 44.5 | - |
| 204 | Grain mill products | 132.9 | 134.6 | 136.4 | 136.3 | - | 90.0 | 91.3 | 91.9 | 91.8 | - |
| 2041 | Flour and other grain mill products | 25.0 | 25.8 | 27.0 | 27.2 | - | 15.5 | 15.5 | 16.1 | 16.2 | - |
| 2048 | Prepared feeds, nec | 51.0 | 50.9 | 49.9 | 49.7 | - | 32.5 | 32.6 | 31.9 | 31.6 | - |
| 205 | Bakery products | 220.7 | 219.8 | 219.8 | 220.0 | - | 129.5 | 129.0 | 130.2 | 130.3 | - |
| 2051 | Bread, cake, and related products | 177.9 | 176.9 | 176.0 | 176.1 | - | 95.7 | 94.9 | 94.9 | 95.0 | - |
| 2052 | Cookies and crackers | 42.8 | 42.9 | 43.8 | 43.9 | - | 33.8 | 34.1 | 35.3 | 35.3 | - |
| 208 | Sugar and confectionery products | 91.3 | 97.0 | 100.3 | 100.0 | - | 68.8 | 74.2 | 77.1 | 77.4 | - |
| 2081-3 | Cane and beet sugar | 24.3 | 24.3 | 24.4 | 24.5 | - | 17.9 | 17.9 | 18.2 | 18.7 | - |
| 2085 | Confectionery products | 46.8 | 52.2 | 55.6 | 55.1 | - | 37.3 | 42.4 | 45.1 | 44.9 | - |
| 207 | Fats and oils | 38.0 | 37.8 | 35.7 | 35.6 | - | 28.0 | 28.0 | 26.4 | 26.4 | - |
| 208 | Beverages | 234.5 | 234.1 | 228.5 | 230.8 | - | 100.6 | 101.2 | 97.5 | 98.3 | - |
| 2082 | Malt beverages | 50.5 | 50.9 | 47.6 | 48.7 | - | 31.8 | 32.2 | 29.7 | 29.6 | - |
| 2086 | Bottled and canned soft drinks | 139.0 | 138.2 | 135.7 | 137.0 | - | 46.0 | 45.6 | 44.3 | 45.0 | - |
| 209 | Misc. foods and kindred products | 167.7 | 171.0 | 165.2 | 170.5 | - | 126.1 | 130.2 | 124.5 | 129.3 | - |
| 21 | TOBACCO MANUFACTURES | 62.7 | 70.5 | 61.1 | 60.6 | 64.3 | 48.0 | 55.8 | 45.9 | 45.6 | 49.3 |
| 211 | Cigarettes | 47.5 | 46.2 | 44.9 | 45.0 | - | 36.7 | 35.3 | 33.7 | 33.9 | - |
| 22 | TEXTILE MILL PRODUCTS | 727.6 | 738.2 | 746.7 | 734.5 | 756.0 | 621.3 | 631.3 | 644.1 | 632.0 | 652.8 |
| 221 | Weaving mills, cotton | 122.6 | 122.8 | 123.2 | 121.0 | - | 106.9 | 107.6 | 109.4 | 107.6 | - |
| 222 | Weaving mills, synthetics | 91.3 | 93.1 | 90.6 | 89.9 | - | 80.4 | 82.2 | 81.1 | 80.3 | - |
| 223 | Weaving and finishing mills, wool | 16.0 | 16.0 | 17.4 | 16.4 | - | 13.3 | 13.2 | 14.6 | 13.6 | - |
| 224 | Narrow fabric mills | 20.9 | 22.5 | 22.1 | 20.5 | - | 17.9 | 19.4 | 19.1 | 17.4 | - |
| 225 | Knitting mills | 202.3 | 205.6 | 207.2 | 206.5 | - | 174.6 | 177.8 | 179.0 | 178.2 | - |
| 2251 | Women's hosiery, except socks | 31.2 | 31.8 | 33.5 | 33.6 | - | 27.9 | 28.5 | 29.9 | 30.1 | - |
| 2252 | Hosiery, nec | 32.0 | 31.7 | 32.5 | 32.5 | - | 28.8 | 28.7 | 29.4 | 29.4 | - |
| 2253 | Knit outerwear mills | 65.9 | 67.9 | 64.1 | 63.2 | - | 56.5 | 58.3 | 54.9 | 53.9 | - |
| 2254 | Knit underwear mills | 28.1 | 28.8 | 30.3 | 30.3 | - | 23.7 | 24.3 | 25.7 | 25.5 | - |

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | TEXTILE MILL PRODUCTS—Continued | | | | | | | | | | |
| 2257 | Circular knit fabric mills | 25.1 | 25.4 | 26.7 | 26.7 | - | 21.1 | 21.2 | 22.5 | 22.5 | - |
| 226 | Textile finishing, except wool | 63.7 | 64.2 | 65.3 | 64.1 | - | 52.2 | 52.6 | 54.4 | 53.4 | - |
| 2261 | Finishing plants, cotton | 27.2 | 26.8 | 27.7 | 27.2 | - | 22.0 | 21.6 | 22.9 | 22.6 | - |
| 2262 | Finishing plants, synthetic | 22.9 | 23.4 | 22.7 | 22.5 | - | 18.9 | 19.4 | 19.0 | 18.6 | - |
| 227 | Floor covering mills | 46.4 | 46.0 | 48.3 | 48.3 | - | 36.6 | 36.0 | 38.4 | 38.1 | - |
| 226 | Yarn and thread mills | 106.1 | 109.1 | 112.4 | 108.9 | - | 93.9 | 96.7 | 100.7 | 96.9 | - |
| 2281 | Yarn mills, except wool | 72.2 | 74.4 | 77.1 | 74.7 | - | 65.1 | 67.2 | 69.8 | 67.0 | - |
| 2282 | Throwing and winding mills | 16.6 | 17.0 | 17.4 | 17.1 | - | 14.4 | 14.8 | 15.5 | 15.4 | - |
| 229 | Miscellaneous textile goods | 58.3 | 58.9 | 60.2 | 58.9 | - | 45.5 | 45.8 | 47.4 | 46.5 | - |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 1,098.9 | 1,158.1 | 1,179.0 | 1,137.2 | 1,185.2 | 923.4 | 978.6 | 999.3 | 959.6 | 1,003.5 |
| 231 | Men's and boys' suits and coats | 71.0 | 73.9 | 69.4 | 67.1 | - | 61.8 | 64.6 | 60.7 | 58.6 | - |
| 232 | Men's and boys' furnishings | 313.0 | 321.1 | 330.5 | 317.3 | - | 264.9 | 272.5 | 283.0 | 270.7 | - |
| 2321 | Men's and boys' shirts and nightwear | 90.9 | 91.4 | 92.6 | 91.2 | - | 77.6 | 78.1 | 79.9 | 78.5 | - |
| 2327 | Men's and boys' separate trousers | 63.5 | 65.0 | 66.4 | 62.2 | - | 55.0 | 56.3 | 57.8 | 54.3 | - |
| 2328 | Men's and boys' work clothing | 88.1 | 90.4 | 97.2 | 92.3 | - | 72.8 | 75.1 | 82.4 | 77.6 | - |
| 233 | Women's and misses' outerwear | 346.2 | 387.3 | 391.9 | 376.9 | - | 291.5 | 330.2 | 332.0 | 317.0 | - |
| 2331 | Women's and misses' blouses and waists | 52.6 | 63.9 | 63.9 | 61.6 | - | 44.0 | 54.9 | 54.2 | 52.1 | - |
| 2335 | Women's and misses' dresses | 115.8 | 128.5 | 128.5 | 122.3 | - | 100.0 | 111.7 | 110.4 | 104.4 | - |
| 2337 | Women's and misses' suits and coats | 55.6 | 59.9 | 62.1 | 59.2 | - | 46.6 | 50.7 | 52.5 | 49.7 | - |
| 2339 | Women's and misses' outerwear, nec. | 122.2 | 135.0 | 137.4 | 133.8 | - | 100.9 | 112.9 | 114.9 | 110.8 | - |
| 234 | Women's and children's undergarments | 80.5 | 81.9 | 83.4 | 81.8 | - | 68.0 | 69.4 | 70.5 | 69.0 | - |
| 2341 | Women's and children's underwear | 65.4 | 67.5 | 68.5 | 67.6 | - | 56.5 | 58.6 | 59.3 | 58.3 | - |
| 2342 | Brasieres and allied garments | 15.1 | 14.4 | 14.9 | 14.2 | - | 11.5 | 10.8 | 11.2 | 10.7 | - |
| 236 | Children's outerwear | 62.5 | 61.2 | 62.3 | 62.0 | - | 52.9 | 51.8 | 53.1 | 53.2 | - |
| 2361 | Children's dresses and blouses | 26.2 | 26.5 | 26.3 | 25.8 | - | 23.4 | 23.6 | 23.3 | 22.8 | - |
| 236 | Misc. apparel and accessories | 46.1 | 49.9 | 47.5 | 44.6 | - | 38.3 | 41.8 | 39.6 | 36.7 | - |
| 239 | Misc. fabricated textile products | 160.3 | 163.5 | 173.7 | 168.2 | - | 129.8 | 132.3 | 143.3 | 138.2 | - |
| 2391 | Curtains and draperies | 22.8 | 23.8 | 24.5 | 24.0 | - | 18.5 | 19.3 | 20.1 | 19.6 | - |
| 2392 | House furnishings, nec. | 45.1 | 47.6 | 50.4 | 49.7 | - | 37.4 | 39.4 | 42.5 | 41.8 | - |
| 2396 | Automotive and apparel trimmings | 29.9 | 30.0 | 32.5 | 30.5 | - | 23.7 | 23.7 | 26.9 | 25.2 | - |
| 26 | PAPER AND ALLIED PRODUCTS | 660.6 | 660.3 | 661.9 | 659.6 | 664.9 | 490.8 | 492.2 | 495.8 | 494.5 | 499.4 |
| 261, 2, 6 | Paper and pulp mills | 199.1 | 198.5 | 194.8 | 196.5 | - | 149.3 | 149.1 | 146.9 | 148.1 | - |
| 262 | Paper mills, except building paper | 172.6 | 172.1 | 168.0 | 169.5 | - | 128.0 | 127.9 | 125.1 | 126.1 | - |
| 263 | Paperboard mills | 60.0 | 59.3 | 59.7 | 59.8 | - | 46.2 | 45.7 | 45.6 | 45.8 | - |
| 264 | Misc. converted paper products | 213.8 | 213.8 | 218.6 | 216.1 | - | 154.0 | 154.7 | 159.5 | 158.3 | - |
| 2641 | Paper coating and glazing | 57.2 | 57.2 | 58.7 | 58.5 | - | 35.9 | 36.1 | 38.0 | 37.7 | - |
| 2642 | Envelopes | 24.7 | 25.1 | 26.1 | 25.4 | - | 18.8 | 19.2 | 20.1 | 19.8 | - |
| 2643 | Bags, except textile bags | 47.9 | 47.8 | 48.5 | 48.2 | - | 36.8 | 37.0 | 37.6 | 37.3 | - |
| 265 | Paperboard containers and boxes | 187.7 | 188.7 | 188.8 | 187.2 | - | 141.3 | 142.7 | 143.8 | 142.3 | - |
| 2651 | Folding paperboard boxes | 40.4 | 40.6 | 40.2 | 40.0 | - | 31.2 | 31.5 | 31.4 | 31.2 | - |
| 2653 | Corrugated and solid fiber boxes | 97.1 | 97.8 | 98.6 | 97.4 | - | 70.8 | 71.8 | 73.1 | 72.1 | - |
| 2654 | Sanitary food containers | 22.9 | 22.6 | 23.2 | 23.1 | - | 18.4 | 18.1 | 18.8 | 18.7 | - |
| 27 | PRINTING AND PUBLISHING | 1,261.0 | 1,261.9 | 1,281.4 | 1,279.5 | 1,282.9 | 689.4 | 691.6 | 702.7 | 698.5 | 705.4 |
| 271 | Newspapers | 417.4 | 415.8 | 422.3 | 422.8 | - | 156.4 | 157.1 | 158.3 | 158.1 | - |
| 272 | Periodicals | 97.5 | 97.9 | 98.3 | 99.7 | - | 21.0 | 21.0 | 21.1 | 20.9 | - |
| 273 | Books | 99.7 | 99.4 | 96.4 | 95.7 | - | 50.2 | 50.1 | 49.7 | 48.9 | - |
| 2731 | Book publishing | 71.1 | 70.6 | 68.0 | 67.9 | - | 27.0 | 26.8 | 26.3 | 26.1 | - |
| 2732 | Book printing | 28.6 | 28.8 | 28.4 | 27.8 | - | 23.2 | 23.3 | 23.4 | 22.8 | - |
| 274 | Miscellaneous publishing | 49.4 | 49.5 | 51.8 | 52.0 | - | 25.2 | 25.0 | 28.0 | 28.0 | - |
| 275 | Commercial printing | 418.6 | 420.2 | 432.3 | 428.6 | - | 306.0 | 307.6 | 314.8 | 311.8 | - |
| 2751 | Commercial printing, letterpress | 149.2 | 149.3 | 152.5 | 151.2 | - | 109.9 | 110.6 | 113.1 | 111.4 | - |
| 2752 | Commercial printing, lithographic | 246.8 | 248.1 | 257.3 | 255.1 | - | 178.2 | 178.9 | 183.9 | 182.6 | - |
| 276 | Manifold business forms | 47.2 | 47.4 | 47.6 | 47.9 | - | 33.2 | 33.1 | 33.0 | 33.3 | - |
| 278 | Blankbooks and bookbinding | 60.9 | 61.1 | 61.4 | 62.1 | - | 49.4 | 49.7 | 49.8 | 50.1 | - |
| 279 | Printing trade services | 45.1 | 45.1 | 47.0 | 46.6 | - | 33.3 | 33.2 | 34.6 | 34.2 | - |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 1,079.2 | 1,079.8 | 1,065.7 | 1,063.9 | 1,065.3 | 597.5 | 598.9 | 592.7 | 590.2 | 596.3 |
| 281 | Industrial inorganic chemicals | 159.9 | 160.1 | 153.3 | 152.2 | - | 84.1 | 84.0 | 78.4 | 77.1 | - |
| 2819 | Industrial inorganic chemicals, nec. | 106.2 | 106.1 | 103.7 | 103.1 | - | 55.8 | 55.7 | 53.8 | 52.8 | - |
| 282 | Plastics materials and synthetics | 185.9 | 183.6 | 180.9 | 181.6 | - | 119.4 | 118.2 | 117.4 | 118.1 | - |
| 2821 | Plastics materials and resins | 74.9 | 74.8 | 75.8 | 76.4 | - | 43.5 | 43.6 | 43.9 | 44.4 | - |
| 2824 | Organic fibers, noncellulosic | 78.7 | 77.2 | 74.3 | 74.1 | - | 54.3 | 53.4 | 52.2 | 52.1 | - |
| 283 | Drugs | 200.3 | 200.4 | 203.0 | 203.3 | - | 98.9 | 98.9 | 99.3 | 99.9 | - |
| 2834 | Pharmaceutical preparations | 156.8 | 157.3 | 159.3 | 159.7 | - | 76.1 | 76.5 | 76.2 | 76.9 | - |
| 284 | Soap, cleaners, and toilet goods | 146.2 | 150.1 | 151.8 | 153.6 | - | 91.4 | 94.5 | 95.0 | 96.3 | - |
| 2841 | Soap and other detergents | 43.0 | 44.7 | 45.4 | 45.7 | - | 27.7 | 29.2 | 29.3 | 29.6 | - |
| 2844 | Toilet preparations | 64.3 | 65.8 | 67.0 | 68.5 | - | 42.5 | 43.7 | 44.2 | 45.3 | - |
| 2842, 3 | Polishing, sanitation, and finishing preparations | 38.9 | 39.6 | 39.4 | 39.4 | - | 21.2 | 21.6 | 21.5 | 21.4 | - |
| 285 | Paints and allied products | 61.6 | 61.5 | 62.5 | 62.9 | - | 30.1 | 30.0 | 30.9 | 31.1 | - |
| 286 | Industrial organic chemicals | 170.9 | 170.4 | 162.8 | 162.3 | - | 85.5 | 85.6 | 83.4 | 82.7 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls by Industry—Continued

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | CHEMICALS AND ALLIED PRODUCTS—Cont'd | | | | | | | | | | |
| 2865 | Cyclic crudes and intermediates | 34.0 | 34.1 | 31.5 | 31.4 | - | 20.9 | 20.8 | 19.1 | 18.8 | - |
| 2861,9 | Gum, wood, and industrial organic chemicals, nec. | 136.9 | 136.3 | 131.3 | 130.9 | - | 64.6 | 64.8 | 64.3 | 63.9 | - |
| 287 | Agricultural chemicals | 63.8 | 62.9 | 61.6 | 59.2 | - | 37.8 | 37.2 | 37.5 | 35.4 | - |
| 289 | Miscellaneous chemical products | 90.6 | 90.8 | 89.8 | 88.8 | - | 50.3 | 50.5 | 50.8 | 49.6 | - |
| 29 | PETROLEUM AND COAL PRODUCTS | 203.4 | 203.3 | 199.9 | 200.1 | 199.3 | 121.9 | 122.0 | 121.3 | 122.2 | 121.7 |
| 291 | Petroleum refining | 164.0 | 163.2 | 160.1 | 159.5 | - | 93.6 | 93.2 | 92.5 | 92.6 | - |
| 295 | Paving and roofing materials | 27.7 | 28.4 | 28.4 | 29.3 | - | 21.1 | 21.7 | 21.8 | 22.6 | - |
| 30 | RUBBER AND MISC. PLASTICS PRODUCTS | 692.2 | 699.5 | 728.5 | 725.1 | 743.7 | 528.8 | 535.6 | 564.5 | 560.8 | 579.6 |
| 301 | Tires and inner tubes | 101.2 | 102.1 | 101.4 | 101.8 | - | 71.8 | 72.5 | 73.8 | 74.4 | - |
| 302 | Rubber and plastics footwear | 19.2 | 19.0 | 19.6 | 18.0 | - | 16.7 | 16.4 | 16.7 | 14.9 | - |
| 303,4 | Reclaimed rubber, and rubber and plastics hose and belting | 22.0 | 21.3 | 21.1 | 20.9 | - | 15.5 | 14.8 | 14.5 | 14.2 | - |
| 306 | Fabricated rubber products, nec | 96.7 | 97.7 | 99.9 | 98.8 | - | 73.0 | 74.1 | 76.3 | 75.3 | - |
| 307 | Miscellaneous plastics products | 453.1 | 459.4 | 486.5 | 485.6 | - | 351.8 | 357.8 | 383.2 | 382.0 | - |
| 31 | LEATHER AND LEATHER PRODUCTS | 209.6 | 223.6 | 219.2 | 203.9 | 224.5 | 174.2 | 187.4 | 183.2 | 169.8 | 188.5 |
| 311 | Leather tanning and finishing | 17.8 | 19.0 | 19.5 | 18.6 | - | 14.6 | 15.5 | 16.4 | 15.3 | - |
| 314 | Footwear, except rubber | 128.0 | 138.8 | 135.7 | 122.8 | - | 109.0 | 118.8 | 115.6 | 104.2 | - |
| 3143 | Men's footwear, except athletic | 50.2 | 54.9 | 53.2 | 48.8 | - | 41.2 | 45.5 | 43.0 | 39.2 | - |
| 3144 | Women's footwear, except athletic | 50.5 | 54.6 | 53.2 | 48.5 | - | 44.2 | 48.1 | 47.1 | 42.8 | - |
| 316 | Luggage | 14.3 | 13.8 | 14.0 | 13.7 | - | 10.3 | 10.0 | 9.9 | 10.1 | - |
| 317 | Handbags and personal leather goods | 27.2 | 28.5 | 26.9 | 27.0 | - | 22.0 | 23.4 | 21.9 | 22.0 | - |
| - | TRANSPORTATION AND PUBLIC UTILITIES | 5,089 | 5,070 | 5,032 | 5,001 | 4,344 | 4,201 | 4,178 | 4,151 | 4,116 | 3,462 |
| 40 | RAILROAD TRANSPORTATION | 435.9 | 427.0 | 386.7 | 389.0 | - | - | - | - | - | - |
| 4011 | Class 1 railroads ² | 403.7 | 395.8 | 356.6 | 358.7 | - | - | - | - | - | - |
| 41 | LOCAL AND INTERURBAN PASSENGER TRANSIT | 222.7 | 221.5 | 264.6 | 219.3 | - | 205.0 | 203.8 | 245.5 | 200.2 | - |
| 411 | Local and suburban transportation | 83.7 | 84.6 | 86.4 | 85.0 | - | 77.4 | 78.2 | 79.3 | 77.9 | - |
| 412 | Taxicabs | 40.6 | 40.9 | 39.0 | 38.4 | - | - | - | - | - | - |
| 413 | Intercity highway transportation | 39.8 | 39.7 | 34.5 | 36.0 | - | 36.6 | 36.5 | 31.6 | 33.0 | - |
| 415 | School buses | 40.5 | 38.4 | 84.7 | 40.7 | - | - | - | - | - | - |
| 42 | TRUCKING AND WAREHOUSING | 1,217.9 | 1,220.7 | 1,218.0 | 1,234.5 | - | 1,058.4 | 1,060.8 | 1,060.2 | 1,076.1 | - |
| 421,3 | Trucking and trucking terminals | 1,138.8 | 1,137.9 | 1,140.5 | 1,156.1 | - | 992.6 | 991.4 | 995.7 | 1,010.9 | - |
| 422 | Public warehousing | 79.1 | 82.8 | 77.5 | 78.4 | - | 65.8 | 69.4 | 64.5 | 65.2 | - |
| 44 | WATER TRANSPORTATION | 210.1 | 200.2 | 193.2 | 196.4 | - | - | - | - | - | - |
| 45 | TRANSPORTATION BY AIR | 447.8 | 448.1 | 452.8 | 457.6 | - | - | - | - | - | - |
| 451,2 | Air transportation | 396.9 | 398.1 | 400.3 | 404.6 | - | - | - | - | - | - |
| 46 | PIPE LINES, EXCEPT NATURAL GAS | 22.6 | 22.6 | 22.5 | 22.5 | - | 15.5 | 15.5 | 15.9 | 15.9 | - |
| 47 | TRANSPORTATION SERVICES | 220.9 | 220.4 | 222.2 | 222.9 | - | - | - | - | - | - |
| 48 | COMMUNICATION | 1,423.0 | 1,420.0 | 1,382.4 | 1,381.6 | - | 1,081.6 | 1,078.5 | 1,049.7 | 1,049.3 | - |
| 481 | Telephone communication | 1,075.6 | 1,071.5 | 1,009.8 | 1,007.5 | - | 793.9 | 790.3 | 752.6 | 750.6 | - |
| 483 | Radio and television broadcasting | 220.2 | 220.9 | 232.6 | 231.1 | - | 179.5 | 180.1 | 184.9 | 183.8 | - |
| 49 | ELECTRIC, GAS, AND SANITARY SERVICES | 887.6 | 889.2 | 885.2 | 877.4 | - | 719.8 | 719.7 | 717.4 | 703.5 | - |
| 491 | Electric services | 427.6 | 428.2 | 437.6 | 439.3 | - | 341.3 | 341.5 | 347.7 | 349.0 | - |
| 492 | Gas production and distribution | 182.6 | 182.9 | 177.9 | 178.1 | - | 148.3 | 148.5 | 142.6 | 142.6 | - |
| 493 | Combination utility services | 200.4 | 200.7 | 198.4 | 183.4 | - | 164.0 | 163.7 | 161.2 | 144.8 | - |
| 495 | Sanitary services | 52.1 | 52.2 | 50.1 | 51.7 | - | 45.8 | 45.3 | 45.0 | 46.5 | - |
| - | WHOLESALE AND RETAIL TRADE | 20,482 | 20,492 | 20,617 | 20,585 | 20,636 | 17,903 | 17,900 | 18,021 | 17,997 | 18,033 |
| 50,51 | WHOLESALE TRADE | 5,303 | 5,281 | 5,253 | 5,259 | 5,263 | 4,293 | 4,266 | 4,232 | 4,239 | 4,243 |
| 50 | WHOLESALE TRADE - DURABLE GOODS | 3,095 | 3,084 | 3,067 | 3,077 | - | 2,489 | 2,474 | 2,455 | 2,465 | - |
| 501 | Motor vehicles and automotive equipment | 406.0 | 405.5 | 406.6 | 408.1 | - | 328.5 | 326.7 | 326.7 | 327.6 | - |
| 502 | Furniture and home furnishing | 112.2 | 112.3 | 116.8 | 116.2 | - | 92.0 | 92.4 | 95.7 | 94.9 | - |
| 503 | Lumber and construction materials | 179.5 | 180.3 | 191.6 | 193.9 | - | 146.6 | 146.9 | 157.7 | 160.5 | - |
| 504 | Sporting goods, toys, and hobby goods | 72.3 | 72.1 | 73.2 | 73.4 | - | 58.4 | 58.3 | 59.3 | 59.3 | - |
| 505 | Metals and minerals, except petroleum | 138.8 | 137.5 | 130.6 | 130.7 | - | 109.5 | 108.7 | 104.0 | 104.0 | - |
| 506 | Electrical goods | 430.2 | 430.2 | 428.9 | 432.2 | - | 345.1 | 344.2 | 340.8 | 347.0 | - |
| 507 | Hardware, plumbing, and heating equipment | 236.1 | 234.7 | 236.7 | 237.3 | - | 190.9 | 189.2 | 191.5 | 191.8 | - |

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|--|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | WHOLESALE TRADE-DURABLE GOODS— | | | | | | | | | | |
| | Continued | | | | | | | | | | |
| 508 | Machinery, equipment, and supplies | 1,342.6 | 1,336.7 | 1,305.4 | 1,309.4 | - | 1,071.5 | 1,063.6 | 1,032.0 | 1,033.6 | - |
| 509 | Miscellaneous durable goods | 176.3 | 174.5 | 177.3 | 175.9 | - | 146.3 | 144.3 | 147.5 | 145.9 | - |
| 51 | WHOLESALE TRADE-NONDURABLE GOODS | 2,208 | 2,197 | 2,186 | 2,182 | - | 1,804 | 1,792 | 1,777 | 1,774 | - |
| 511 | Paper and paper products | 158.3 | 158.9 | 160.3 | 162.1 | - | 127.4 | 128.0 | 129.5 | 131.2 | - |
| 512 | Drugs, proprietaries, and sundries | 155.5 | 154.8 | 154.2 | 155.0 | - | 131.2 | 130.5 | 128.8 | 129.2 | - |
| 513 | Apparel, piece goods, and notions | 169.6 | 170.2 | 169.2 | 167.7 | - | 133.2 | 133.0 | 128.8 | 127.8 | - |
| 514 | Groceries and related products | 687.4 | 674.1 | 673.0 | 667.0 | - | 592.3 | 578.2 | 579.5 | 572.6 | - |
| 516 | Chemicals and allied products | 133.9 | 134.1 | 134.4 | 134.3 | - | 95.6 | 95.5 | 93.0 | 93.3 | - |
| 517 | Petroleum and petroleum products | 227.5 | 225.4 | 220.3 | 221.4 | - | 171.6 | 169.7 | 167.4 | 168.6 | - |
| 518 | Beer, wine, and distilled beverages | 148.9 | 147.0 | 147.5 | 148.8 | - | 124.2 | 122.5 | 123.2 | 124.4 | - |
| 519 | Miscellaneous nondurable goods | 392.6 | 391.9 | 393.8 | 390.7 | - | 320.1 | 319.7 | 318.9 | 316.4 | - |
| 52-59 | RETAIL TRADE | 15,179 | 15,211 | 15,364 | 15,326 | 15,373 | 13,610 | 13,634 | 13,789 | 13,758 | 13,790 |
| 52 | BUILDING MATERIALS AND GARDEN | | | | | | | | | | |
| | SUPPLIES | 595.0 | 590.9 | 616.6 | 615.3 | - | 501.3 | 497.3 | 521.4 | 520.0 | - |
| 521 | Lumber and other building materials | 306.1 | 303.4 | 321.7 | 325.1 | - | 259.0 | 256.4 | 273.8 | 276.8 | - |
| 525 | Hardware stores | 148.1 | 148.4 | 153.7 | 153.3 | - | 126.4 | 126.8 | 130.6 | 130.0 | - |
| 53 | GENERAL MERCHANDISE STORES | 2,156.0 | 2,153.7 | 2,143.7 | 2,162.2 | - | 2,000.7 | 1,996.7 | 2,005.3 | 2,024.8 | - |
| 531 | Department stores | 1,815.2 | 1,813.8 | 1,822.3 | 1,839.6 | - | 1,692.4 | 1,690.0 | 1,715.7 | 1,733.9 | - |
| 533 | Variety stores | 225.0 | 223.5 | 207.5 | 207.5 | - | 208.0 | 205.9 | 191.0 | 190.8 | - |
| 539 | Misc. general merchandise stores | 115.8 | 116.4 | 113.9 | 115.1 | - | 100.3 | 100.8 | 98.6 | 100.1 | - |
| 54 | FOOD STORES | 2,471.5 | 2,477.7 | 2,494.2 | 2,496.5 | - | 2,291.1 | 2,295.6 | 2,316.2 | 2,319.8 | - |
| 541 | Grocery stores | 2,167.8 | 2,173.0 | 2,185.5 | 2,188.0 | - | 2,015.3 | 2,019.6 | 2,037.4 | 2,041.7 | - |
| 542 | Meat markets and freezer provisioners | 57.8 | 57.4 | 60.1 | 59.4 | - | - | - | - | - | - |
| 546 | Retail bakeries | 126.9 | 128.5 | 134.5 | 133.6 | - | 116.8 | 117.8 | 122.7 | 121.9 | - |
| 55 | AUTOMOTIVE DEALERS AND SERVICE | | | | | | | | | | |
| | STATIONS | 1,639.1 | 1,632.1 | 1,625.3 | 1,633.8 | - | 1,383.7 | 1,377.6 | 1,367.7 | 1,376.0 | - |
| 551,2 | New and used car dealers | 739.8 | 738.7 | 749.7 | 755.2 | - | 607.4 | 607.0 | 615.8 | 621.1 | - |
| 553 | Auto and home supply stores | 262.8 | 262.4 | 260.1 | 261.6 | - | 226.3 | 226.2 | 224.3 | 226.6 | - |
| 554 | Gasoline service stations | 554.0 | 551.7 | 533.4 | 535.6 | - | 483.1 | 480.5 | 460.9 | 462.5 | - |
| 56 | APPAREL AND ACCESSORY STORES | 922.4 | 929.9 | 940.6 | 934.3 | - | 781.8 | 788.2 | 793.9 | 789.8 | - |
| 561 | Men's and boys' clothing and furnishings | 118.3 | 116.2 | 116.9 | 114.9 | - | 99.9 | 98.0 | 98.3 | 96.6 | - |
| 562 | Women's ready-to-wear stores | 334.3 | 337.9 | 345.4 | 343.8 | - | 287.1 | 289.2 | 293.6 | 292.9 | - |
| 565 | Family clothing stores | 170.5 | 174.4 | 169.1 | 171.6 | - | 148.3 | 152.1 | 147.1 | 149.7 | - |
| 566 | Shoe stores | 198.1 | 200.8 | 199.0 | 196.0 | - | 160.3 | 163.1 | 161.4 | 158.7 | - |
| 57 | FURNITURE AND HOME FURNISHINGS | | | | | | | | | | |
| | STORES | 572.5 | 572.3 | 580.7 | 582.6 | - | 472.9 | 471.2 | 480.3 | 481.2 | - |
| 571 | Furniture and home furnishings stores | 345.7 | 343.2 | 350.0 | 350.4 | - | 285.7 | 283.0 | 290.1 | 290.6 | - |
| 572 | Household appliance stores | 76.9 | 77.5 | 73.2 | 78.8 | - | 65.0 | 66.0 | 62.5 | 63.7 | - |
| 573 | Radio, television, and music stores | 149.9 | 151.6 | 157.5 | 157.4 | - | 122.2 | 122.2 | 127.7 | 126.9 | - |
| 58 | EATING AND DRINKING PLACES | 4,932.8 | 4,961.3 | 5,061.3 | 5,008.7 | - | 4,536.6 | 4,561.5 | 4,660.1 | 4,610.2 | - |
| 59 | MISCELLANEOUS RETAIL | 1,889.9 | 1,893.5 | 1,901.7 | 1,892.6 | - | 1,642.0 | 1,646.2 | 1,644.4 | 1,635.7 | - |
| 591 | Drug stores and proprietary stores | 489.6 | 489.6 | 489.3 | 487.9 | - | 438.2 | 438.4 | 434.2 | 432.9 | - |
| 592 | Liquor stores | 128.6 | 126.7 | 127.2 | 126.3 | - | - | - | - | - | - |
| 594 | Miscellaneous shopping goods stores | 605.8 | 607.9 | 618.2 | 615.7 | - | 517.1 | 518.5 | 524.5 | 521.5 | - |
| 596 | Nonstore retailers | 243.7 | 248.3 | 246.2 | 247.2 | - | 224.9 | 229.2 | 226.2 | 226.8 | - |
| 598 | Fuel and ice dealers | 98.1 | 98.2 | 97.1 | 95.8 | - | 81.0 | 81.1 | 80.2 | 78.7 | - |
| 599 | Retail stores, nec. | 261.3 | 260.3 | 259.9 | 255.8 | - | 219.1 | 218.2 | 217.1 | 213.8 | - |
| - | FINANCE, INSURANCE, AND REAL | | | | | | | | | | |
| | ESTATE ² | 5,411 | 5,402 | 5,506 | 5,534 | 5,540 | 4,060 | 4,045 | 4,114 | 4,139 | 4,135 |
| 60 | BANKING | 1,671.4 | 1,666.8 | 1,669.0 | 1,675.7 | - | 1,254.1 | 1,248.2 | 1,246.8 | 1,251.2 | - |
| 602 | Commercial and stock savings banks | 1,521.5 | 1,516.9 | 1,514.5 | 1,520.6 | - | 1,134.3 | 1,128.5 | 1,124.4 | 1,128.6 | - |
| 61 | CREDIT AGENCIES OTHER THAN BANKS | 581.0 | 580.5 | 616.3 | 619.8 | - | 439.1 | 438.3 | 468.5 | 471.7 | - |
| 612 | Savings and loan associations | 269.4 | 269.8 | 293.9 | 295.8 | - | 205.9 | 205.8 | 225.7 | 227.2 | - |
| 614 | Personal credit institutions | 195.0 | 194.5 | 195.4 | 196.1 | - | 149.0 | 148.5 | 149.5 | 150.0 | - |
| 62 | SECURITY, COMMODITY BROKERS, AND | | | | | | | | | | |
| | SERVICES | 273.9 | 274.2 | 308.6 | 315.7 | - | - | - | - | - | - |
| 621 | Security brokers and dealers | 223.3 | 223.7 | 248.3 | 254.7 | - | - | - | - | - | - |
| 63 | INSURANCE CARRIERS | 1,243.0 | 1,240.1 | 1,233.3 | 1,233.9 | - | 848.6 | 846.3 | 838.1 | 839.4 | - |
| 631 | Life insurance | 549.0 | 548.6 | 539.6 | 538.1 | - | 338.0 | 337.6 | 329.8 | 329.2 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|---|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | INSURANCE CARRIERS—Continued | | | | | | | | | | |
| 632 | Medical service and health insurance | 142.7 | 141.8 | 144.2 | 144.9 | - | 113.2 | 112.9 | 115.2 | 115.8 | - |
| 633 | Fire, marine, and casualty insurance | 480.3 | 479.0 | 471.3 | 471.1 | - | 343.0 | 341.5 | 331.4 | 331.2 | - |
| 64 | INSURANCE AGENTS, BROKERS, AND SERVICE | 477.6 | 476.4 | 481.6 | 482.9 | - | - | - | - | - | - |
| 65 | REAL ESTATE | 1,008.7 | 1,007.3 | 1,042.1 | 1,049.5 | - | - | - | - | - | - |
| 651 | Real estate operators and lessors | 495.5 | 497.4 | 516.2 | 519.1 | - | - | - | - | - | - |
| 653 | Real estate agents and managers | 369.1 | 366.9 | 374.2 | 377.0 | - | - | - | - | - | - |
| 656 | Subdividers and developers | 125.0 | 123.8 | 130.4 | 131.5 | - | - | - | - | - | - |
| 66 | COMBINED REAL ESTATE, INSURANCE, ETC. | 17.9 | 17.9 | 16.9 | 16.9 | - | - | - | - | - | - |
| 67 | HOLDING AND OTHER INVESTMENT OFFICES. | 137.7 | 138.5 | 137.9 | 140.0 | - | - | - | - | - | - |
| - | SERVICES | 19,239 | 19,208 | 19,825 | 19,929 | 19,996 | 17,088 | 17,049 | 17,576 | 17,675 | 17,724 |
| 70 | HOTELS AND OTHER LODGING PLACES | 1,220.9 | 1,233.4 | 1,167.5 | 1,224.2 | - | - | - | - | - | - |
| 701 | Hotels, motels, and tourist courts | 1,146.8 | 1,154.1 | 1,122.4 | 1,149.8 | - | 1,053.3 | 1,059.8 | 1,022.5 | 1,048.8 | - |
| 72 | PERSONAL SERVICES | 912.5 | 909.4 | 920.8 | 912.7 | - | - | - | - | - | - |
| 721 | Laundry, cleaning, and garment services | 346.7 | 345.3 | 348.2 | 346.8 | - | 309.4 | 307.6 | 309.4 | 308.3 | - |
| 723 | Beauty shops | 284.0 | 283.4 | 298.2 | 297.3 | - | 260.9 | 260.6 | 275.7 | 275.3 | - |
| 726 | Funeral service and crematories | 72.1 | 72.1 | 72.6 | 72.7 | - | - | - | - | - | - |
| 73 | BUSINESS SERVICES | 3,323.9 | 3,335.7 | 3,590.8 | 3,650.9 | - | 2,899.9 | 2,910.2 | 3,115.9 | 3,176.8 | - |
| 731 | Advertising | 162.1 | 161.1 | 167.3 | 167.7 | - | 125.0 | 124.0 | 124.9 | 125.7 | - |
| 732 | Credit reporting and collection | 74.9 | 74.4 | 80.6 | 80.3 | - | - | - | - | - | - |
| 733 | Mailing, reproduction, stenographic | 134.4 | 132.4 | 142.6 | 140.0 | - | - | - | - | - | - |
| 734 | Services to buildings | 527.5 | 528.6 | 551.0 | 554.6 | - | 480.6 | 481.7 | 501.9 | 504.6 | - |
| 736 | Personnel supply services | 576.7 | 580.0 | 698.6 | 741.4 | - | - | - | - | - | - |
| 737 | Computer and data processing services | 362.0 | 360.9 | 397.5 | 402.8 | - | 296.3 | 294.3 | 328.6 | 334.0 | - |
| 75 | AUTO REPAIR, SERVICES, AND GARAGES | 583.2 | 586.1 | 592.5 | 593.6 | - | 493.1 | 494.9 | 500.8 | 502.8 | - |
| 753 | Automotive repair shops | 365.8 | 368.4 | 368.7 | 369.4 | - | 305.6 | 307.7 | 308.3 | 310.0 | - |
| 76 | MISCELLANEOUS REPAIR SERVICES | 283.3 | 280.0 | 268.7 | 271.1 | - | 239.4 | 236.5 | 222.4 | 225.0 | - |
| 78 | MOTION PICTURES | 225.4 | 222.5 | 219.9 | 219.3 | - | 195.3 | 192.8 | 191.4 | 190.7 | - |
| 781 | Motion picture production and services | 83.3 | 82.0 | 84.5 | 82.1 | - | 67.8 | 66.8 | 70.4 | 68.2 | - |
| 783 | Motion picture theaters | 131.6 | 130.2 | 124.9 | 126.8 | - | - | - | - | - | - |
| 79 | AMUSEMENT AND RECREATION SERVICES | 936.1 | 927.6 | 962.6 | 990.7 | - | 855.0 | 848.1 | 884.7 | 912.8 | - |
| 80 | HEALTH SERVICES | 5,842.7 | 5,858.0 | 5,978.9 | 6,000.1 | - | 5,234.4 | 5,241.6 | 5,366.2 | 5,383.6 | - |
| 801 | Offices of physicians | 825.0 | 834.2 | 861.6 | 867.0 | - | 675.4 | 680.7 | 727.2 | 731.1 | - |
| 802 | Offices of dentists | 387.6 | 386.2 | 410.3 | 411.7 | - | 343.2 | 339.9 | 363.1 | 364.3 | - |
| 805 | Nursing and personal care facilities | 1,072.3 | 1,076.0 | 1,105.6 | 1,110.4 | - | 971.5 | 974.3 | 1,001.1 | 1,004.4 | - |
| 806 | Hospitals | 3,040.2 | 3,039.8 | 3,041.7 | 3,044.9 | - | 2,792.6 | 2,793.0 | 2,792.3 | 2,794.5 | - |
| 81 | LEGAL SERVICES | 582.5 | 577.2 | 612.5 | 619.1 | - | 494.4 | 488.8 | 517.3 | 524.1 | - |
| 82 | EDUCATIONAL SERVICES | 1,010.7 | 993.4 | 1,107.9 | 1,010.0 | - | - | - | - | - | - |
| 821 | Elementary and secondary schools | 285.1 | 277.7 | 313.0 | 270.2 | - | - | - | - | - | - |
| 822 | Colleges and universities | 610.3 | 600.4 | 668.0 | 619.1 | - | - | - | - | - | - |
| 83 | SOCIAL SERVICES | 1,173.1 | 1,168.6 | 1,248.3 | 1,262.6 | - | - | - | - | - | - |
| 86 | MEMBERSHIP ORGANIZATIONS | 1,540.4 | 1,522.2 | 1,525.4 | 1,534.4 | - | - | - | - | - | - |
| 89 | MISCELLANEOUS SERVICES | 1,061.9 | 1,059.0 | 1,066.6 | 1,076.2 | - | 867.3 | 863.5 | 873.9 | 883.3 | - |
| 891 | Engineering and architectural services | 583.2 | 580.2 | 581.2 | 585.7 | - | 479.3 | 476.7 | 483.6 | 488.9 | - |
| 893 | Accounting, auditing, and bookkeeping | 347.1 | 348.1 | 356.3 | 358.2 | - | 277.8 | 277.5 | 285.0 | 285.9 | - |
| - | GOVERNMENT | 15,009 | 14,877 | 15,859 | 15,056 | 14,931 | - | - | - | - | - |
| - | FEDERAL GOVERNMENT⁴ | 2,794 | 2,773 | 2,789 | 2,794 | 2,766 | - | - | - | - | - |
| - | Executive, by agency ⁴ | 2,737.6 | 2,716.9 | 2,731.3 | 2,728.1 | - | - | - | - | - | - |
| - | Department of Defense | 964.5 | 954.1 | 962.6 | - | - | - | - | - | - | - |
| - | Postal Service | 665.6 | 663.9 | 660.1 | - | - | - | - | - | - | - |
| - | Other executive agencies | 1,107.5 | 1,098.9 | 1,108.6 | - | - | - | - | - | - | - |
| - | Legislative | 40.9 | 40.3 | 41.0 | - | - | - | - | - | - | - |
| - | Judicial | 15.7 | 15.8 | 16.2 | - | - | - | - | - | - | - |

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

| 1972 SIC Code | Industry | All employees | | | | | Production workers ¹ | | | | |
|---------------------|--|---------------|--------------|--------------|---------------|---------------|---------------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | FEDERAL GOVERNMENT—Continued | | | | | | | | | | |
| | Federal Government, by industry | | | | | | | | | | |
| — | Manufacturing activities | 136.5 | 135.0 | 138.4 | 138.7 | — | — | — | — | — | |
| 3731 | Shipbuilding and repairing | 83.1 | 82.1 | 83.6 | 83.4 | — | — | — | — | — | |
| — | Transportation and public utilities, except Postal Service | 41.8 | 41.8 | 39.7 | 39.7 | — | — | — | — | — | |
| — | Services | 405.4 | 403.1 | 400.1 | 402.5 | — | — | — | — | — | |
| 806 | Federal government hospitals | 239.8 | 238.8 | 237.3 | 238.2 | — | — | — | — | — | |
| — | STATE AND LOCAL GOVERNMENT | 12,215 | 12,104 | 13,070 | 12,262 | 12,165 | — | — | — | — | |
| — | State government | 3,427.8 | 3,415.5 | 3,533.0 | 3,447.1 | — | — | — | — | — | |
| 806 | State government hospitals | 498.8 | 496.1 | 478.9 | 478.8 | — | — | — | — | — | |
| 82 | State education | 1,166.8 | 1,179.4 | 1,344.4 | 1,239.5 | — | — | — | — | — | |
| — | General administration including executive, legislative, and judicial functions | 1,109.8 | 1,106.2 | 1,091.7 | 1,100.6 | — | — | — | — | — | |
| — | Local government | 8,786.7 | 8,688.1 | 9,536.5 | 8,814.4 | — | — | — | — | — | |
| — | Transportation and public utilities | 532.7 | 535.3 | 539.6 | 542.3 | — | — | — | — | — | |
| 806 | Local government hospitals | 637.3 | 637.2 | 642.6 | 642.4 | — | — | — | — | — | |
| 82 | Local education | 4,231.4 | 4,154.4 | 5,083.8 | 4,188.9 | — | — | — | — | — | |
| — | General administration including executive, legislative, and judicial functions | 3,042.0 | 3,010.3 | 2,943.3 | 3,072.8 | — | — | — | — | — | |

¹ 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.

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

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

⁴ Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.
— Data not available.
p = preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr. 1983 | May 1983 | June 1983 |
|---------------------|---|-------------|--------------|--------------|-------------|--------------|
| - | TOTAL | 39,343 | 39,228 | 39,310 | 39,534 | 39,652 |
| - | PRIVATE SECTOR | 31,451 | 31,565 | 31,576 | 31,786 | 32,099 |
| - | MINING | 139 | 140 | 125 | 123 | 124 |
| 10 | METAL MINING | 6.7 | 6.3 | 5.6 | 5.6 | 5.8 |
| 11, 12 | COAL MINING | 12.0 | 11.9 | 10.9 | 11.0 | 10.9 |
| 13 | OIL AND GAS EXTRACTION | 111.1 | 112.0 | 99.5 | 98.1 | 98.9 |
| 131, 2 | Crude petroleum, natural gas, and natural gas liquids..... | 65.8 | 67.2 | 65.1 | 65.1 | 66.1 |
| 138 | Oil and gas field services..... | 45.3 | 44.8 | 34.4 | 33.0 | 32.8 |
| 14 | NONMETALLIC MINERALS, EXCEPT FUELS | 9.5 | 9.6 | 8.5 | 8.6 | 8.8 |
| 142 | Crushed and broken stone..... | 2.8 | 2.9 | 2.7 | 2.8 | 2.9 |
| 144 | Sand and gravel..... | 3.1 | 3.1 | 2.8 | 2.9 | 3.0 |
| - | CONSTRUCTION | 379 | 383 | 376 | 381 | 390 |
| 15 | GENERAL BUILDING CONTRACTORS | 120.2 | 121.2 | 122.6 | 124.6 | 129.5 |
| 152 | Residential building construction..... | 65.4 | 66.4 | 66.1 | 69.9 | 73.3 |
| 153 | Operative builders..... | 13.1 | 13.0 | 13.8 | 14.0 | 14.6 |
| 154 | Nonresidential building construction..... | 41.7 | 41.8 | 40.7 | 40.7 | 41.6 |
| 16 | HEAVY CONSTRUCTION CONTRACTORS | 62.8 | 65.6 | 60.3 | 61.4 | 62.4 |
| 161 | Highway and street construction..... | 14.3 | 15.3 | 13.3 | 14.9 | 16.0 |
| 162 | Heavy construction, except highway..... | 48.5 | 50.3 | 47.0 | 46.5 | 46.4 |
| 17 | SPECIAL TRADE CONTRACTORS | 195.6 | 196.6 | 193.0 | 195.3 | 198.3 |
| 171 | Plumbing, heating, air conditioning..... | 52.2 | 53.0 | 52.1 | 52.6 | 52.6 |
| 172 | Painting, paper hanging, decorating..... | 11.4 | 11.2 | 10.7 | 11.0 | 11.2 |
| 173 | Electrical work..... | 38.1 | 38.5 | 38.3 | 38.5 | 39.1 |
| 174 | Masonry, stonework, and plastering..... | 21.3 | 21.1 | 21.1 | 21.4 | 21.8 |
| 175 | Carpentering and flooring..... | 12.7 | 12.7 | 13.6 | 13.7 | 14.1 |
| 176 | Roofing and sheet metal work..... | 12.7 | 12.7 | 12.9 | 13.3 | 13.5 |
| - | MANUFACTURING | 6,042 | 6,052 | 5,886 | 5,942 | 6,031 |
| 24, 25, 32-39 | DURABLE GOODS | 2,878 | 2,871 | 2,766 | 2,795 | 2,828 |
| 20-23, 26-31 | NONDURABLE GOODS | 3,164 | 3,181 | 3,120 | 3,147 | 3,203 |
| | DURABLE GOODS | | | | | |
| 24 | LUMBER AND WOOD PRODUCTS | 91.4 | 91.9 | 95.5 | 98.4 | 101.3 |
| 241 | Logging camps and logging contractors..... | 5.5 | 5.9 | 5.6 | 5.9 | 6.2 |
| 242 | Sawmills and planing mills..... | 16.2 | 16.5 | 17.7 | 18.3 | 18.8 |
| 2421 | Sawmills and planing mills, general..... | 11.3 | 11.5 | 12.3 | 12.7 | 13.1 |
| 243 | Millwork, plywood, and structural members..... | 36.6 | 36.8 | 38.9 | 40.4 | 41.9 |
| 244 | Wood containers..... | 6.4 | 6.5 | 5.9 | 6.1 | 6.0 |
| 245 | Wood buildings and mobile homes..... | 7.7 | 7.5 | 8.0 | 8.4 | 8.8 |
| 249 | Miscellaneous wood products..... | 19.0 | 18.7 | 19.4 | 19.3 | 19.6 |
| 25 | FURNITURE AND FIXTURES | 130.4 | 129.0 | 133.1 | 133.6 | 134.1 |
| 251 | Household furniture..... | 89.7 | 87.9 | 91.8 | 91.5 | 91.4 |
| 2511 | Wood household furniture..... | 38.3 | 37.3 | 39.0 | 38.9 | 38.6 |
| 2512 | Upholstered household furniture..... | 29.4 | 29.2 | 30.6 | 31.0 | 31.2 |
| 2515 | Mattresses and bedsprings..... | 7.8 | 7.7 | 8.2 | 8.2 | 8.4 |
| 252 | Office furniture..... | 14.0 | 13.9 | 13.1 | 13.5 | 13.7 |
| 253 | Public building and related furniture..... | 4.9 | 5.0 | 4.6 | 4.7 | 4.8 |
| 254 | Partitions and fixtures..... | 10.1 | 10.1 | 10.4 | 10.4 | 10.5 |
| 259 | Miscellaneous furniture and fixtures..... | 11.7 | 12.1 | 13.2 | 13.5 | 13.7 |
| 32 | STONE, CLAY, AND GLASS PRODUCTS | 115.9 | 116.5 | 108.7 | 110.1 | 111.5 |
| 322 | Glass and glassware, pressed or blown..... | 36.2 | 36.2 | 32.9 | 33.1 | 33.8 |
| 3221 | Glass containers..... | 21.0 | 21.1 | 18.3 | 18.3 | 18.8 |
| 3229 | Pressed and blown glass, nec..... | 15.2 | 15.1 | 14.6 | 14.8 | 15.0 |
| 323 | Products of purchased glass..... | 12.1 | 12.3 | 12.1 | 12.5 | 12.6 |
| 324 | Cement, hydraulic..... | 1.6 | 1.7 | 1.5 | 1.5 | 1.5 |
| 325 | Structural clay products..... | 5.5 | 5.6 | 5.5 | 5.7 | 5.8 |
| 326 | Pottery and related products..... | 13.8 | 13.7 | 13.7 | 13.6 | 13.5 |
| 327 | Concrete, gypsum, and plaster products..... | 14.9 | 15.3 | 14.4 | 14.8 | 15.2 |
| 329 | Misc. nonmetallic mineral products..... | 28.7 | 28.7 | 25.7 | 26.0 | 26.2 |
| 33 | PRIMARY METAL INDUSTRIES | 106.9 | 105.8 | 95.7 | 96.9 | 97.6 |
| 331 | Blast furnace and basic steel products..... | 32.1 | 30.9 | 25.7 | 26.0 | 26.1 |
| 3312 | Blast furnaces and steel mills..... | 22.8 | 22.0 | 18.3 | 18.5 | 18.8 |
| 332 | Iron and steel foundries..... | 15.8 | 15.7 | 12.7 | 13.1 | 13.1 |

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr. 1983 | May 1983 | June 1983 |
|---|---|-------------|--------------|--------------|-------------|--------------|
| PRIMARY METAL INDUSTRIES—Continued | | | | | | |
| 3321 | Gray iron foundries | 6.9 | 7.0 | 5.8 | 6.1 | 6.2 |
| 3322 | Malleable iron foundries | .9 | .9 | .6 | .8 | .8 |
| 3325 | Steel foundries, nec | 4.0 | 3.9 | 3.2 | 3.3 | 3.3 |
| 333 | Primary nonferrous metals | 4.0 | 4.0 | 3.3 | 3.3 | 3.4 |
| 3334 | Primary aluminum | 1.8 | 1.8 | 1.3 | 1.3 | 1.4 |
| 335 | Nonferrous rolling and drawing | 35.2 | 35.1 | 34.3 | 34.5 | 34.8 |
| 3351 | Copper rolling and drawing | 3.2 | 3.2 | 3.2 | 3.3 | 3.2 |
| 3353 | Aluminum sheet, plate, and foil | 3.1 | 3.2 | 3.2 | 3.2 | 3.1 |
| 3357 | Nonferrous wire drawing and insulating | 21.5 | 21.3 | 20.3 | 20.3 | 20.7 |
| 336 | Nonferrous foundries | 14.2 | 14.6 | 14.7 | 15.0 | 15.1 |
| 3361 | Aluminum foundries | 7.6 | 7.8 | 7.5 | 7.7 | 7.8 |
| 34 | FABRICATED METAL PRODUCTS | 305.2 | 305.3 | 298.7 | 301.6 | 305.0 |
| 341 | Metal cans and shipping containers | 11.3 | 11.5 | 10.5 | 10.6 | 10.6 |
| 3411 | Metal cans | 9.5 | 9.7 | 8.7 | 8.8 | 8.8 |
| 342 | Cutlery, hand tools, and hardware | 47.5 | 47.4 | 47.0 | 47.2 | 48.2 |
| 3423, 5 | Hand and edge tools, and hand saws and blades | 13.9 | 13.6 | 13.2 | 13.1 | 13.3 |
| 3429 | Hardware, nec | 27.8 | 28.0 | 28.3 | 28.5 | 29.2 |
| 343 | Plumbing and heating, except electric | 15.2 | 15.1 | 16.0 | 15.8 | 15.9 |
| 344 | Fabricated structural metal products | 66.2 | 66.2 | 63.5 | 64.5 | 65.9 |
| 3441 | Fabricated structural metal | 7.3 | 7.1 | 6.3 | 6.2 | 6.3 |
| 3442 | Metal doors, sash, and trim | 18.7 | 19.4 | 20.5 | 21.2 | 22.3 |
| 3443 | Fabricated plate work (boiler shops) | 17.2 | 16.9 | 14.4 | 14.3 | 14.2 |
| 3444 | Sheet metal work | 14.3 | 14.1 | 14.1 | 14.4 | 14.6 |
| 345 | Screw machine products, bolts, etc. | 20.6 | 20.8 | 19.2 | 19.6 | 19.9 |
| 3451 | Screw machine products | 10.2 | 10.4 | 9.6 | 9.9 | 10.2 |
| 3452 | Bolts, nuts, rivets, and washers | 10.4 | 10.4 | 9.6 | 9.7 | 9.7 |
| 346 | Metal forgings and stampings | 47.4 | 47.3 | 46.4 | 46.6 | 47.0 |
| 3462 | Iron and steel forgings | 3.9 | 3.8 | 3.2 | 3.1 | 3.1 |
| 3465 | Automotive stampings | 12.3 | 12.5 | 12.0 | 12.3 | 12.5 |
| 3469 | Metal stampings, nec | 28.8 | 28.6 | 29.1 | 29.0 | 29.3 |
| 347 | Metal services, nec | 22.8 | 23.0 | 22.9 | 23.6 | 23.8 |
| 3471 | Plating and polishing | 17.0 | 17.2 | 17.1 | 17.8 | 17.9 |
| 3479 | Metal coating and allied services | 5.8 | 5.8 | 5.8 | 5.8 | 5.9 |
| 348 | Ordnance and accessories, nec | 18.4 | 18.6 | 19.0 | 19.0 | 19.0 |
| 349 | Misc. fabricated metal products | 55.8 | 55.4 | 54.2 | 54.7 | 54.7 |
| 3494 | Valves and pipe fittings | 20.9 | 20.6 | 19.4 | 19.6 | 19.6 |
| 3496 | Misc. fabricated wire products | 13.7 | 13.5 | 13.3 | 13.5 | 13.7 |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 493.1 | 486.8 | 447.0 | 451.2 | 453.6 |
| 351 | Engines and turbines | 21.5 | 20.3 | 17.9 | 19.1 | 19.3 |
| 3511 | Turbines and turbine generator sets | 6.3 | 6.3 | 5.5 | 5.5 | 5.2 |
| 3519 | Internal combustion engines, nec | 15.2 | 14.0 | 12.4 | 13.6 | 14.1 |
| 352 | Farm and garden machinery | 24.7 | 23.5 | 21.1 | 20.9 | 20.9 |
| 3523 | Farm machinery and equipment | 18.7 | 18.3 | 15.5 | 15.5 | 15.5 |
| 353 | Construction and related machinery | 51.3 | 49.4 | 35.1 | 36.0 | 35.8 |
| 3531 | Construction machinery | 13.4 | 12.8 | 8.2 | 9.5 | 9.2 |
| 3533 | Oil field machinery | 20.0 | 19.0 | 12.8 | 12.4 | 12.2 |
| 354 | Metalworking machinery | 50.5 | 49.9 | 45.2 | 45.6 | 45.8 |
| 3541 | Machine tools, metal cutting types | 9.2 | 8.8 | 6.9 | 6.8 | 6.9 |
| 3544 | Special dies, tools, jigs, and fixtures | 14.4 | 14.4 | 14.0 | 14.2 | 14.4 |
| 3545 | Machine tool accessories | 11.9 | 11.8 | 10.3 | 10.5 | 10.4 |
| 355 | Special industry machinery | 27.1 | 26.9 | 24.7 | 25.0 | 25.0 |
| 3551 | Food products machinery | 5.2 | 5.1 | 4.8 | 4.7 | 4.7 |
| 3552 | Textile machinery | 4.4 | 4.3 | 3.7 | 3.8 | 3.8 |
| 3555 | Printing trades machinery | 6.5 | 6.8 | 6.6 | 6.7 | 6.7 |
| 356 | General industrial machinery | 59.6 | 59.2 | 50.0 | 50.2 | 50.4 |
| 3561 | Pumps and pumping equipment | 10.8 | 10.6 | 9.4 | 9.2 | 9.2 |
| 3562 | Ball and roller bearings | 12.9 | 13.6 | 10.6 | 10.7 | 10.8 |
| 357 | Office and computing machines | 177.1 | 177.5 | 178.3 | 178.9 | 181.2 |
| 3573 | Electronic computing equipment | 151.0 | 151.9 | 153.7 | 154.2 | 156.7 |
| 358 | Refrigeration and service machinery | 35.2 | 34.4 | 33.8 | 34.1 | 33.8 |
| 3585 | Refrigeration and heating equipment | 23.9 | 23.3 | 22.7 | 23.2 | 22.7 |
| 359 | Misc. machinery, except electrical | 46.1 | 45.7 | 40.9 | 41.4 | 41.4 |
| 3599 | Machinery, except electrical, nec | 36.9 | 36.7 | 32.7 | 32.8 | 33.1 |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 863.4 | 861.8 | 836.3 | 845.7 | 857.6 |
| 361 | Electric distributing equipment | 43.8 | 43.4 | 41.6 | 42.0 | 42.9 |
| 3612 | Transformers | 18.2 | 17.8 | 16.8 | 16.9 | 17.5 |
| 3613 | Switchgear and switchboard apparatus | 25.6 | 25.6 | 24.8 | 25.1 | 25.4 |
| 362 | Electrical industrial apparatus | 79.7 | 78.7 | 69.6 | 69.9 | 70.5 |
| 3621 | Motors and generators | 41.0 | 40.9 | 37.7 | 38.2 | 38.7 |
| 3622 | Industrial controls | 27.5 | 26.6 | 22.1 | 21.9 | 22.0 |
| 363 | Household appliances | 51.4 | 52.2 | 49.2 | 50.9 | 52.7 |
| 3632 | Household refrigerators and freezers | 7.5 | 7.6 | 5.6 | 5.7 | 6.1 |
| 3633 | Household laundry equipment | 3.6 | 3.5 | 4.5 | 4.6 | 4.8 |
| 3634 | Electric housewares and fans | 24.2 | 25.2 | 22.9 | 24.1 | 24.6 |
| 364 | Electric lighting and wiring equipment | 84.6 | 84.0 | 81.3 | 81.5 | 82.4 |
| 3641 | Electric lamps | 19.5 | 18.7 | 15.5 | 15.6 | 15.8 |

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr. 1983 | May 1983 | June 1983 |
|--|---|-------------|--------------|--------------|-------------|--------------|
| ELECTRIC AND ELECTRONIC EQUIPMENT—Continued | | | | | | |
| 3643 | Current-carrying wiring devices | 37.0 | 37.5 | 36.7 | 37.0 | 37.2 |
| 365 | Radio and TV receiving equipment | 49.1 | 48.3 | 46.0 | 46.8 | 46.6 |
| 3651 | Radio and TV receiving sets | 36.4 | 36.9 | 34.4 | 34.7 | 34.5 |
| 366 | Communication equipment | 217.3 | 216.3 | 211.8 | 212.3 | 214.0 |
| 3661 | Telephone and telegraph apparatus | 73.0 | 71.5 | 65.6 | 65.5 | 65.0 |
| 3662 | Radio and TV communication equipment | 144.3 | 144.8 | 146.2 | 146.8 | 149.0 |
| 367 | Electronic components and accessories | 283.4 | 284.8 | 282.8 | 287.8 | 293.5 |
| 3671-3 | Electronic tubes | 15.6 | 15.8 | 16.5 | 16.6 | 16.7 |
| 3674 | Semiconductors and related devices | 104.0 | 104.9 | 100.8 | 108.5 | 109.6 |
| 3679 | Electronic components, nec | 116.9 | 117.1 | 116.8 | 119.0 | 122.0 |
| 369 | Misc. electrical equipment and supplies | 54.1 | 54.1 | 54.0 | 54.5 | 55.0 |
| 3694 | Engine electrical equipment | 22.8 | 22.8 | 23.2 | 23.6 | 23.7 |
| 37 | TRANSPORTATION EQUIPMENT | 288.6 | 288.9 | 290.2 | 294.6 | 298.7 |
| 371 | Motor vehicles and equipment | 103.0 | 103.0 | 104.1 | 107.5 | 110.6 |
| 3711 | Motor vehicles and car bodies | 36.3 | 35.6 | 39.2 | 41.4 | 43.3 |
| 3713 | Truck and bus bodies | 3.3 | 3.3 | 3.0 | 3.0 | 3.1 |
| 3714 | Motor vehicle parts and accessories | 59.9 | 60.6 | 58.0 | 59.0 | 59.9 |
| 372 | Aircraft and parts | 115.6 | 115.5 | 112.0 | 111.9 | 112.2 |
| 3721 | Aircraft | 63.8 | 63.9 | 62.0 | 61.7 | 62.1 |
| 3724 | Aircraft engines and engine parts | 25.4 | 25.2 | 24.4 | 24.7 | 24.4 |
| 3728 | Aircraft equipment, nec | 26.4 | 26.4 | 25.6 | 25.5 | 25.7 |
| 373 | Ship and boat building and repairing | 24.2 | 24.1 | 23.7 | 24.2 | 24.3 |
| 3731 | Ship building and repairing | 17.9 | 17.8 | 16.9 | 16.9 | 17.0 |
| 374 | Railroad equipment | 4.0 | 4.0 | 3.2 | 3.2 | 3.2 |
| 376 | Guided missiles, space vehicles, parts | 30.2 | 30.4 | 32.9 | 33.3 | 33.7 |
| 3761 | Guided missiles and space vehicles | 24.8 | 25.0 | 26.9 | 27.2 | 27.6 |
| 379 | Miscellaneous transportation equipment | 7.4 | 7.4 | 9.0 | 9.1 | 9.5 |
| 38 | INSTRUMENTS AND RELATED PRODUCTS | 306.8 | 307.9 | 289.8 | 289.7 | 292.5 |
| 381 | Engineering and scientific instruments | 26.0 | 26.1 | 24.2 | 24.3 | 24.1 |
| 382 | Measuring and controlling devices | 106.1 | 105.7 | 100.2 | 99.3 | 99.8 |
| 3822 | Environmental controls | 21.3 | 21.2 | 21.3 | 21.7 | 21.7 |
| 3823 | Process control instruments | 20.4 | 20.5 | 17.6 | 17.6 | 17.6 |
| 3825 | Instruments to measure electricity | 47.2 | 47.3 | 45.8 | 44.4 | 44.6 |
| 383 | Optical instruments and lenses | 12.2 | 12.1 | 10.9 | 10.9 | 10.9 |
| 384 | Medical instruments and supplies | 86.9 | 87.2 | 85.2 | 85.7 | 87.7 |
| 3841 | Surgical and medical instruments | 42.3 | 42.9 | 42.1 | 42.4 | 43.7 |
| 3842 | Surgical appliances and supplies | 36.9 | 36.7 | 36.3 | 36.6 | 37.4 |
| 385 | Ophthalmic goods | 23.7 | 23.8 | 22.1 | 22.4 | 22.6 |
| 386 | Photographic equipment and supplies | 41.2 | 42.2 | 36.6 | 36.8 | 36.6 |
| 387 | Watches, clocks, and watchcases | 10.7 | 10.8 | 10.6 | 10.3 | 10.5 |
| 39 | MISCELLANEOUS MANUFACTURING INDUSTRIES | 176.4 | 176.8 | 171.0 | 173.5 | 176.4 |
| 391 | Jewelry, silverware, and plated ware | 24.6 | 24.5 | 25.2 | 25.3 | 25.5 |
| 393 | Musical instruments | 8.9 | 8.5 | 8.5 | 8.4 | 8.6 |
| 394 | Toys and sporting goods | 58.3 | 58.7 | 55.3 | 56.7 | 58.0 |
| 3942, 4 | Dolls, games, toys, and children's vehicles | 31.9 | 32.9 | 30.6 | 32.2 | 33.5 |
| 3949 | Sporting and athletic goods, nec | 26.4 | 25.8 | 24.7 | 24.5 | 24.5 |
| 395 | Pens, pencils, office and art supplies | 17.1 | 16.9 | 15.9 | 16.1 | 16.5 |
| 396 | Costume jewelry and notions | 22.1 | 22.3 | 21.1 | 21.8 | 21.9 |
| 399 | Miscellaneous manufactures | 45.4 | 45.9 | 45.0 | 45.2 | 45.9 |
| NONDURABLE GOODS | | | | | | |
| 20 | FOOD AND KINDRED PRODUCTS | 469.6 | 480.1 | 470.8 | 479.2 | 498.4 |
| 201 | Meat products | 115.0 | 116.4 | 112.5 | 113.6 | 114.3 |
| 2011 | Meat packing plants | 27.3 | 26.8 | 26.0 | 26.2 | 25.0 |
| 2013 | Sausages and other prepared meats | 21.6 | 21.9 | 20.9 | 21.0 | 21.5 |
| 2016 | Poultry dressing plants | 58.5 | 59.7 | 58.1 | 58.7 | 59.8 |
| 202 | Dairy products | 36.1 | 37.2 | 34.6 | 35.4 | 36.7 |
| 2026 | Fluid milk | 16.1 | 16.4 | 15.0 | 15.2 | 15.5 |
| 203 | Preserved fruits and vegetables | 85.6 | 89.1 | 84.6 | 87.2 | 95.9 |
| 2032 | Canned specialties | 7.8 | 7.8 | 7.8 | 7.8 | 8.0 |
| 2033 | Canned fruits and vegetables | 24.4 | 25.7 | 23.0 | 23.7 | 26.0 |
| 2037 | Frozen fruits and vegetables | 20.0 | 21.0 | 19.4 | 21.3 | 24.2 |
| 204 | Grain mill products | 27.7 | 28.2 | 28.6 | 28.4 | 29.2 |
| 205 | Bakery products | 58.0 | 58.9 | 58.6 | 59.2 | 60.3 |
| 2051 | Bread, cake, and related products | 36.9 | 39.3 | 38.2 | 38.8 | 39.4 |
| 2052 | Cookies and crackers | 19.1 | 19.6 | 20.4 | 20.4 | 20.9 |
| 206 | Sugar and confectionery products | 36.1 | 36.5 | 40.9 | 41.6 | 43.0 |
| 207 | Fats and oils | 5.4 | 5.4 | 5.1 | 5.0 | 5.0 |
| 208 | Beverages | 43.3 | 43.8 | 41.5 | 41.7 | 43.0 |
| 2082 | Malt beverages | 9.0 | 8.9 | 8.0 | 8.0 | 8.6 |
| 2086 | Bottled and canned soft drinks | 18.9 | 19.1 | 18.6 | 18.8 | 19.1 |
| 209 | Misc. foods and kindred products | 62.4 | 64.6 | 64.4 | 67.1 | 71.0 |
| 21 | TOBACCO MANUFACTURES | 21.6 | 22.0 | 20.7 | 20.3 | 20.6 |
| 211 | Cigarettes | 14.1 | 14.9 | 13.1 | 13.1 | 13.6 |

ESTABLISHMENT DATA

WOMEN EMPLOYEES

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr. 1983 | May 1983 | June 1983 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 22 | TEXTILE MILL PRODUCTS | 362.4 | 356.4 | 348.5 | 350.8 | 356.4 |
| 221 | Weaving mills, cotton | 57.3 | 55.0 | 53.2 | 53.1 | 53.4 |
| 222 | Weaving mills, synthetics | 39.1 | 35.6 | 36.3 | 36.9 | 37.8 |
| 223 | Weaving and finishing mills, wool | 6.8 | 6.6 | 6.6 | 6.7 | 6.8 |
| 224 | Narrow fabric mills | 13.6 | 13.5 | 12.7 | 12.6 | 12.8 |
| 225 | Knitting mills | 132.0 | 133.7 | 129.7 | 131.0 | 133.6 |
| 2251 | Women's hosiery, except socks | 24.4 | 24.8 | 25.4 | 25.6 | 26.4 |
| 2252 | Hosiery, nec | 22.2 | 22.5 | 22.5 | 22.7 | 23.2 |
| 2253 | Knit outerwear mills | 46.8 | 47.5 | 42.8 | 43.4 | 44.0 |
| 2254 | Knit underwear mills | 21.0 | 21.4 | 22.2 | 22.4 | 22.7 |
| 2257 | Circular knit fabric mills | 10.3 | 10.2 | 10.0 | 10.0 | 10.0 |
| 226 | Textile finishing, except wool | 20.5 | 20.4 | 19.2 | 19.5 | 19.8 |
| 2261 | Finishing plants, cotton | 9.7 | 9.6 | 8.8 | 8.8 | 9.0 |
| 2262 | Finishing plants, synthetic | 5.3 | 5.2 | 4.7 | 4.9 | 5.0 |
| 227 | Floor covering mills | 20.6 | 20.5 | 20.6 | 20.5 | 20.7 |
| 228 | Yarn and thread mills | 55.2 | 54.1 | 53.9 | 54.1 | 55.0 |
| 2281 | Yarn mills, except wool | 35.0 | 34.5 | 35.3 | 35.6 | 36.1 |
| 2282 | Throwing and winding mills | 10.0 | 9.9 | 9.7 | 9.7 | 9.9 |
| 229 | Miscellaneous textile goods | 17.3 | 17.0 | 16.3 | 16.4 | 16.5 |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 947.9 | 955.8 | 929.8 | 938.3 | 953.5 |
| 231 | Men's and boys' suits and coats | 58.4 | 58.9 | 52.2 | 53.5 | 54.0 |
| 232 | Men's and boys' furnishings | 275.9 | 278.2 | 271.5 | 276.0 | 280.0 |
| 2321 | Men's and boys' shirts and nightwear | 81.3 | 83.3 | 78.5 | 79.7 | 81.1 |
| 2327 | Men's and boys' separate trousers | 56.0 | 55.5 | 55.0 | 55.4 | 55.8 |
| 2328 | Men's and boys' work clothing | 75.9 | 77.3 | 77.8 | 80.0 | 81.6 |
| 233 | Women's and misses' outerwear | 331.1 | 334.0 | 327.3 | 325.7 | 330.5 |
| 2331 | Women's and misses' blouses and waists | 55.6 | 56.3 | 54.7 | 55.3 | 56.7 |
| 2335 | Women's and misses' dresses | 112.7 | 112.4 | 110.9 | 107.2 | 108.6 |
| 2337 | Women's and misses' suits and coats | 45.7 | 49.6 | 44.3 | 46.8 | 50.0 |
| 2339 | Women's and misses' outerwear, nec | 117.1 | 115.7 | 117.4 | 116.4 | 115.2 |
| 234 | Women's and children's undergarments | 72.0 | 71.8 | 70.3 | 71.0 | 71.6 |
| 2341 | Women's and children's underwear | 59.7 | 59.6 | 58.7 | 59.1 | 59.8 |
| 2342 | Brassieres and allied garments | 12.3 | 12.2 | 11.6 | 11.9 | 11.8 |
| 236 | Children's outerwear | 54.7 | 55.3 | 52.0 | 52.5 | 54.0 |
| 2361 | Children's dresses and blouses | 23.8 | 24.0 | 22.6 | 23.0 | 23.5 |
| 238 | Misc. apparel and accessories | 38.3 | 38.9 | 35.3 | 35.5 | 36.5 |
| 239 | Misc. fabricated textile products | 103.4 | 104.4 | 107.9 | 110.0 | 112.2 |
| 2391 | Curtains and draperies | 17.8 | 17.8 | 17.7 | 18.2 | 18.7 |
| 2392 | House furnishings, nec | 29.8 | 30.2 | 32.6 | 32.9 | 33.1 |
| 2396 | Automotive and apparel trimmings | 15.4 | 15.8 | 17.2 | 17.5 | 18.3 |
| 26 | PAPER AND ALLIED PRODUCTS | 154.1 | 153.7 | 150.9 | 151.8 | 153.6 |
| 261, 2, 6 | Paper and pulp mills | 27.1 | 27.9 | 26.1 | 26.5 | 27.1 |
| 262 | Paper mills, except building paper | 24.4 | 25.2 | 23.6 | 23.9 | 24.4 |
| 263 | Paperboard mills | 5.6 | 5.6 | 5.3 | 5.3 | 5.5 |
| 264 | Misc. converted paper products | 76.6 | 75.7 | 76.2 | 76.2 | 76.9 |
| 265 | Paperboard containers and boxes | 44.8 | 44.5 | 43.3 | 43.8 | 44.1 |
| 27 | PRINTING AND PUBLISHING | 515.3 | 514.2 | 519.4 | 519.6 | 522.2 |
| 271 | Newspapers | 162.3 | 163.3 | 163.4 | 164.9 | 166.6 |
| 272 | Periodicals | 57.3 | 57.5 | 58.5 | 58.2 | 58.5 |
| 273 | Books | 55.6 | 53.9 | 53.6 | 52.5 | 51.5 |
| 274 | Miscellaneous publishing | 27.7 | 28.1 | 30.2 | 29.6 | 29.6 |
| 275 | Commercial printing | 137.1 | 135.7 | 138.2 | 138.5 | 139.1 |
| 2751 | Commercial printing, letterpress | 51.7 | 51.5 | 51.1 | 51.5 | 51.7 |
| 2752 | Commercial printing, lithographic | 78.9 | 78.0 | 80.7 | 80.7 | 81.1 |
| 276 | Manifold business forms | 15.2 | 15.4 | 15.6 | 15.7 | 15.7 |
| 278 | Blankbooks and bookbinding | 32.8 | 32.8 | 32.4 | 32.6 | 33.0 |
| 279 | Printing trade services | 12.9 | 13.0 | 14.2 | 14.0 | 14.1 |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 282.1 | 284.5 | 274.9 | 275.9 | 279.8 |
| 281 | Industrial inorganic chemicals | 25.2 | 25.4 | 24.9 | 25.1 | 25.4 |
| 2819 | Industrial inorganic chemicals, nec | 16.9 | 17.0 | 16.9 | 17.0 | 17.2 |
| 282 | Plastics materials and synthetics | 42.0 | 41.7 | 36.9 | 37.4 | 37.7 |
| 2821 | Plastics materials and resins | 11.1 | 11.2 | 11.0 | 11.1 | 11.2 |
| 2824 | Organic fibers, noncellulosic | 22.2 | 22.0 | 18.7 | 18.9 | 18.9 |
| 283 | Drugs | 85.9 | 86.4 | 86.4 | 86.5 | 87.3 |
| 2834 | Pharmaceutical preparations | 71.6 | 71.9 | 71.9 | 71.6 | 72.4 |
| 284 | Soap, cleaners, and toilet goods | 57.9 | 60.1 | 60.4 | 60.7 | 62.9 |
| 2841 | Soap and other detergents | 9.3 | 10.0 | 9.8 | 10.0 | 10.4 |
| 2844 | Toilet preparations | 36.5 | 37.9 | 38.0 | 38.1 | 39.6 |
| 285 | Paints and allied products | 11.9 | 12.0 | 11.7 | 11.8 | 11.8 |
| 286 | Industrial organic chemicals | 27.5 | 27.6 | 25.2 | 25.2 | 25.4 |
| 2861, 9 | Gum, wood, and industrial organic chemicals, nec | 23.1 | 23.3 | 21.1 | 21.1 | 21.2 |
| 287 | Agricultural chemicals | 10.4 | 10.3 | 9.3 | 9.1 | 9.2 |
| 289 | Miscellaneous chemical products | 21.3 | 21.0 | 20.1 | 20.1 | 20.1 |

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr.- 1983 | May 1983 | June 1983 |
|---------------------|---|-------------|--------------|---------------|-------------|--------------|
| 29 | PETROLEUM AND COAL PRODUCTS | 31.2 | 31.2 | 30.1 | 30.2 | 30.6 |
| 291 | Petroleum refining | 26.2 | 26.3 | 25.4 | 25.4 | 25.8 |
| 30 | RUBBER AND MISC. PLASTICS PRODUCTS | 245.1 | 246.8 | 247.9 | 251.8 | 256.7 |
| 301 | Tires and inner tubes | 9.5 | 9.6 | 8.4 | 8.4 | 8.5 |
| 302 | Rubber and plastics footwear | 11.6 | 11.9 | 11.1 | 11.2 | 11.3 |
| 303,4 | Reclaimed rubber, and rubber and plastics hose and belting | 5.7 | 5.6 | 5.2 | 5.4 | 5.5 |
| 306 | Fabricated rubber products, nec | 34.3 | 34.6 | 34.0 | 34.3 | 35.0 |
| 307 | Miscellaneous plastics products | 184.0 | 185.1 | 189.2 | 192.5 | 196.4 |
| 31 | LEATHER AND LEATHER PRODUCTS | 134.5 | 136.4 | 126.9 | 128.6 | 130.7 |
| 311 | Leather tanning and finishing | 2.8 | 2.8 | 2.7 | 2.8 | 2.8 |
| 314 | Footwear, except rubber | 91.2 | 93.3 | 87.1 | 88.8 | 89.3 |
| 3143 | Men's footwear, except athletic | 33.7 | 34.8 | 31.3 | 31.9 | 32.6 |
| 3144 | Women's footwear, except athletic | 36.9 | 37.8 | 36.2 | 37.2 | 36.9 |
| 316 | Luggage | 7.9 | 8.1 | 7.4 | 7.4 | 7.7 |
| 317 | Handbags and personal leather goods | 19.3 | 19.5 | 17.1 | 17.1 | 18.0 |
| - | TRANSPORTATION AND PUBLIC UTILITIES | 1,346 | 1,347 | 1,325 | 1,332 | 1,341 |
| 41 | LOCAL AND INTERURBAN PASSENGER TRANSIT | 77.8 | 72.4 | 78.4 | 79.6 | 73.8 |
| 411 | Local and suburban transportation | 16.9 | 16.8 | 17.5 | 17.6 | 17.5 |
| 412 | Taxicabs | 6.4 | 6.2 | 5.8 | 5.8 | 5.5 |
| 413 | Intercity highway transportation | 4.9 | 5.0 | 4.0 | 4.3 | 4.2 |
| 415 | School buses | 45.7 | 40.7 | 47.0 | 47.6 | 42.3 |
| 42 | TRUCKING AND WAREHOUSING | 152.8 | 154.1 | 149.3 | 151.7 | 155.5 |
| 421,3 | Trucking and trucking terminals | 136.5 | 137.7 | 133.0 | 135.1 | 138.5 |
| 422 | Public warehousing | 16.3 | 16.4 | 16.3 | 16.6 | 17.0 |
| 44 | WATER TRANSPORTATION | 26.6 | 27.3 | 24.4 | 25.3 | 26.3 |
| 45 | TRANSPORTATION BY AIR | 148.0 | 145.3 | 148.8 | 148.8 | 152.8 |
| 451,2 | Air transportation | 138.6 | 135.6 | 138.8 | 138.8 | 142.6 |
| 46 | PIPE LINES, EXCEPT NATURAL GAS | 3.2 | 3.3 | 2.8 | 2.8 | 2.8 |
| 47 | TRANSPORTATION SERVICES | 109.9 | 111.0 | 116.4 | 119.1 | 120.6 |
| 48 | COMMUNICATION | 634.5 | 636.1 | 610.0 | 608.6 | 610.9 |
| 481 | Telephone communication | 525.7 | 525.9 | 488.0 | 486.0 | 486.6 |
| 483 | Radio and television broadcasting | 74.0 | 74.5 | 78.0 | 78.1 | 79.1 |
| 49 | ELECTRIC, GAS, AND SANITARY SERVICES | 169.8 | 173.5 | 174.7 | 175.3 | 177.3 |
| 491 | Electric services | 81.8 | 83.2 | 85.9 | 86.7 | 87.2 |
| 492 | Gas production and distribution | 39.3 | 40.4 | 38.5 | 38.7 | 39.3 |
| 493 | Combination utility services | 36.9 | 37.9 | 37.5 | 37.5 | 38.2 |
| 495 | Sanitary services | 6.2 | 6.4 | 7.3 | 6.7 | 6.7 |
| - | WHOLESALE AND RETAIL TRADE | 9,028 | 9,075 | 8,971 | 9,067 | 9,184 |
| 50,51 | WHOLESALE TRADE | 1,401 | 1,401 | 1,370 | 1,380 | 1,397 |
| 50 | WHOLESALE TRADE-DURABLE GOODS | 769 | 769 | 752 | 755 | 763 |
| 501 | Motor vehicles and automotive equipment | 88.6 | 88.5 | 86.2 | 86.9 | 87.8 |
| 502 | Furniture and home furnishings | 43.8 | 43.8 | 46.0 | 46.2 | 47.0 |
| 503 | Lumber and construction materials | 35.8 | 36.4 | 37.1 | 37.3 | 37.9 |
| 504 | Sporting goods, toys, and hobby goods | 24.0 | 24.7 | 25.1 | 25.4 | 26.1 |
| 506 | Metals and minerals, except petroleum | 28.2 | 27.7 | 24.7 | 24.6 | 24.7 |
| 506 | Electrical goods | 127.1 | 127.3 | 126.1 | 126.7 | 127.7 |
| 507 | Hardware, plumbing, and heating equipment | 64.3 | 64.3 | 63.1 | 63.0 | 63.8 |
| 508 | Machinery, equipment, and supplies | 311.8 | 312.1 | 300.4 | 301.7 | 304.4 |
| 509 | Miscellaneous durable goods | 45.1 | 44.3 | 42.8 | 42.9 | 43.1 |
| 51 | WHOLESALE TRADE-NONDURABLE GOODS | 632 | 632 | 618 | 625 | 634 |
| 511 | Paper and paper products | 50.5 | 50.6 | 51.6 | 51.9 | 52.8 |
| 512 | Drugs, proprietaries, and sundries | 67.5 | 67.8 | 68.1 | 68.0 | 69.0 |
| 513 | Apparel, piece goods, and notions | 83.3 | 85.1 | 81.8 | 82.5 | 83.5 |
| 514 | Groceries and related products | 162.3 | 163.9 | 146.7 | 153.8 | 161.6 |
| 516 | Chemicals and allied products | 36.7 | 37.0 | 38.4 | 38.5 | 38.8 |
| 517 | Petroleum and petroleum products | 53.1 | 53.4 | 50.3 | 50.9 | 52.0 |
| 518 | Beer, wine, and distilled beverages | 21.9 | 22.1 | 21.6 | 21.9 | 22.0 |
| 519 | Miscellaneous nondurable goods | 121.4 | 119.9 | 122.0 | 120.9 | 120.3 |

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr- 1983 | May 1983 | June 1983 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 52-59 | RETAIL TRADE | 7,627 | 7,674 | 7,601 | 7,687 | 7,787 |
| 52 | BUILDING MATERIALS AND GARDEN SUPPLIES | 161.0 | 159.1 | 160.8 | 164.7 | 165.3 |
| 521 | Lumber and other building materials | 61.7 | 62.5 | 63.9 | 65.7 | 67.4 |
| 525 | Hardware stores | 55.3 | 55.9 | 55.7 | 56.8 | 57.6 |
| 53 | GENERAL MERCHANDISE STORES | 1,441.4 | 1,449.6 | 1,436.3 | 1,444.9 | 1,460.3 |
| 531 | Department stores | 1,191.2 | 1,199.6 | 1,211.3 | 1,216.3 | 1,228.8 |
| 533 | Variety stores | 174.8 | 172.8 | 155.0 | 157.2 | 158.0 |
| 539 | Misc. general merchandise stores | 75.4 | 77.2 | 70.0 | 71.4 | 73.5 |
| 54 | FOOD STORES | 1,071.3 | 1,085.0 | 1,086.5 | 1,100.8 | 1,114.9 |
| 541 | Grocery stores | 895.8 | 908.1 | 911.3 | 921.7 | 933.2 |
| 542 | Meat markets and freezer provisioners | 17.7 | 17.3 | 17.7 | 18.3 | 18.6 |
| 546 | Retail bakeries | 83.6 | 84.2 | 85.9 | 87.2 | 87.8 |
| 55 | AUTOMOTIVE DEALERS AND SERVICE STATIONS | 309.9 | 315.2 | 310.7 | 314.4 | 317.8 |
| 551,2 | New and used car dealers | 108.7 | 109.2 | 109.4 | 109.9 | 110.9 |
| 553 | Auto and home supply stores | 47.8 | 49.0 | 48.2 | 48.5 | 48.6 |
| 554 | Gasoline service stations | 139.1 | 141.9 | 138.0 | 140.3 | 142.1 |
| 56 | APPAREL AND ACCESSORY STORES | 649.2 | 651.3 | 652.1 | 647.2 | 652.8 |
| 561 | Men's and boys' clothing and furnishings | 52.4 | 52.8 | 51.9 | 52.2 | 52.6 |
| 562 | Women's ready-to-wear stores | 302.8 | 303.4 | 303.5 | 308.0 | 308.7 |
| 565 | Family clothing stores | 129.7 | 130.5 | 126.9 | 126.6 | 127.5 |
| 566 | Shoe stores | 84.4 | 85.2 | 87.1 | 84.1 | 85.3 |
| 57 | FURNITURE AND HOME FURNISHING STORES | 198.4 | 197.6 | 205.5 | 206.4 | 208.1 |
| 571 | Furniture and home furnishings stores | 129.0 | 127.7 | 128.8 | 130.1 | 130.5 |
| 572 | Household appliance stores | 21.2 | 21.4 | 25.2 | 25.0 | 25.4 |
| 573 | Radio, television, and music stores | 48.2 | 48.5 | 51.5 | 51.3 | 52.2 |
| 58 | EATING AND DRINKING PLACES | 2,744.7 | 2,773.5 | 2,700.7 | 2,749.4 | 2,811.5 |
| 59 | MISCELLANEOUS RETAIL | 1,050.9 | 1,042.7 | 1,048.0 | 1,058.9 | 1,055.9 |
| 591 | Drug stores and proprietary stores | 309.6 | 309.7 | 307.5 | 308.7 | 310.2 |
| 592 | Liquor stores | 34.2 | 34.4 | 34.0 | 33.6 | 35.0 |
| 594 | Miscellaneous shopping goods stores | 370.8 | 369.9 | 378.0 | 382.7 | 384.0 |
| 596 | Nonstore retailers | 151.7 | 150.5 | 150.4 | 149.4 | 149.1 |
| 598 | Fuel and ice dealers | 23.9 | 23.7 | 23.5 | 23.3 | 23.3 |
| 599 | Retail stores, nec | 139.7 | 133.5 | 131.5 | 138.2 | 130.9 |
| - | FINANCE, INSURANCE, AND REAL ESTATE | 3,191 | 3,222 | 3,244 | 3,252 | 3,286 |
| 60 | BANKING | 1,170.3 | 1,181.1 | 1,175.9 | 1,176.8 | 1,186.5 |
| 602 | Commercial and stock savings banks | 1,075.0 | 1,084.9 | 1,077.2 | 1,077.5 | 1,085.8 |
| 61 | CREDIT AGENCIES OTHER THAN BANKS | 401.9 | 404.3 | 422.2 | 424.3 | 430.4 |
| 612 | Savings and loan associations | 200.4 | 201.8 | 220.4 | 221.7 | 224.9 |
| 614 | Personal credit institutions | 129.6 | 129.5 | 123.2 | 123.2 | 124.4 |
| 62 | SECURITY, COMMODITY BROKERS, AND SERVICES | 118.6 | 120.3 | 130.6 | 132.3 | 135.1 |
| 621 | Security brokers and dealers | 96.5 | 97.9 | 105.6 | 107.3 | 109.4 |
| 63 | INSURANCE CARRIERS | 752.0 | 754.0 | 743.1 | 742.3 | 744.1 |
| 631 | Life insurance | 304.2 | 305.1 | 299.1 | 298.2 | 297.9 |
| 632 | Medical service and health insurance | 102.7 | 103.0 | 103.4 | 103.1 | 103.6 |
| 633 | Fire, marine, and casualty insurance | 298.3 | 298.8 | 291.4 | 290.5 | 290.3 |
| 64 | INSURANCE AGENTS, BROKERS, AND SERVICE | 301.5 | 305.1 | 304.1 | 303.1 | 304.8 |
| 65 | REAL ESTATE | 364.2 | 375.1 | 386.3 | 391.4 | 402.4 |
| 651 | Real estate operators and lessors | 154.6 | 159.7 | 170.0 | 172.5 | 177.7 |
| 653 | Real estate agents and managers | 163.4 | 168.0 | 169.7 | 170.9 | 175.8 |
| 655 | Subdividers and developers | 32.8 | 34.0 | 32.4 | 33.3 | 33.5 |
| 66 | COMBINED REAL ESTATE, INSURANCE, ETC | 10.9 | 10.9 | 10.5 | 10.4 | 10.4 |
| 67 | HOLDING AND OTHER INVESTMENT OFFICES | 71.2 | 71.2 | 71.3 | 71.6 | 71.8 |
| - | SERVICES | 11,326 | 11,346 | 11,649 | 11,689 | 11,743 |
| 70 | HOTELS AND OTHER LODGING PLACES | 619.6 | 646.4 | 600.7 | 610.9 | 638.5 |
| 701 | Hotels, motels, and tourist courts | 601.3 | 621.6 | 584.1 | 591.8 | 613.6 |

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

| 1972 SIC Code | Industry | May 1982 | June 1982 | Apr- 1983 | May 1983 | June 1983 |
|---------------------|--|-------------|--------------|--------------|-------------|--------------|
| 72 | PERSONAL SERVICES | 638.9 | 641.0 | 672.3 | 638.2 | 636.6 |
| 721 | Laundry, cleaning, and garment services | 221.2 | 221.4 | 215.9 | 217.6 | 217.7 |
| 723 | Beauty shops | 254.3 | 255.0 | 262.2 | 264.8 | 265.9 |
| 726 | Funeral service and crematories | 19.9 | 20.1 | 21.6 | 21.8 | 21.8 |
| 73 | BUSINESS SERVICES | 1,435.6 | 1,439.1 | 1,522.6 | 1,547.9 | 1,579.8 |
| 731 | Advertising | 79.4 | 79.9 | 83.6 | 83.6 | 84.3 |
| 732 | Credit reporting and collection | 52.9 | 53.6 | 55.0 | 56.3 | 57.6 |
| 733 | Mailing, reproduction, stenographic | 66.0 | 65.7 | 67.4 | 68.2 | 69.7 |
| 734 | Services to buildings | 200.2 | 201.7 | 199.5 | 203.4 | 206.7 |
| 736 | Personnel supply services | 355.0 | 352.1 | 408.5 | 424.2 | 436.7 |
| 737 | Computer and data processing services | 172.7 | 172.7 | 188.1 | 184.4 | 186.2 |
| 75 | AUTO REPAIR, SERVICES, AND GARAGES | 99.1 | 99.8 | 102.2 | 103.2 | 103.9 |
| 753 | Automotive repair shops | 48.8 | 49.3 | 50.7 | 51.2 | 51.6 |
| 76 | MISCELLANEOUS REPAIR SERVICES | 56.3 | 56.0 | 53.9 | 53.2 | 53.6 |
| 78 | MOTION PICTURES | 80.2 | 86.1 | 81.0 | 83.4 | 88.9 |
| 781 | Motion picture production and services | 25.4 | 27.7 | 28.2 | 27.3 | 28.0 |
| 783 | Motion picture theaters | 48.6 | 52.4 | 47.0 | 50.3 | 54.3 |
| 79 | AMUSEMENT AND RECREATION SERVICES | 330.2 | 358.1 | 325.8 | 356.3 | 389.0 |
| 80 | HEALTH SERVICES | 4,691.1 | 4,740.9 | 4,819.0 | 4,833.3 | 4,881.9 |
| 801 | Offices of physicians | 639.4 | 648.1 | 666.2 | 672.3 | 682.8 |
| 802 | Offices of dentists | 324.7 | 328.2 | 343.0 | 346.1 | 350.8 |
| 805 | Nursing and personal care facilities | 937.2 | 946.8 | 960.9 | 966.1 | 978.6 |
| 806 | Hospitals | 2,422.9 | 2,447.8 | 2,440.2 | 2,437.8 | 2,452.5 |
| 81 | LEGAL SERVICES | 391.8 | 400.6 | 416.2 | 416.9 | 427.1 |
| 82 | EDUCATIONAL SERVICES | 671.7 | 593.6 | 692.7 | 673.9 | 586.8 |
| 821 | Elementary and secondary schools | 217.2 | 203.7 | 222.2 | 224.2 | 203.2 |
| 822 | Colleges and universities | 385.7 | 323.1 | 399.1 | 377.9 | 313.1 |
| 83 | SOCIAL SERVICES | 872.8 | 854.0 | 917.5 | 928.3 | 916.5 |
| 89 | MISCELLANEOUS SERVICES | 354.0 | 358.0 | 368.4 | 362.1 | 365.6 |
| 891 | Engineering and architectural services | 128.6 | 131.1 | 126.1 | 127.6 | 130.8 |
| 893 | Accounting, auditing, and bookkeeping | 168.6 | 169.5 | 186.5 | 178.4 | 177.1 |
| - | GOVERNMENT | 7,892 | 7,663 | 7,734 | 7,748 | 7,553 |
| - | FEDERAL GOVERNMENT | 880 | 900 | 912 | 930 | 954 |
| - | STATE AND LOCAL GOVERNMENT | 7,012 | 6,763 | 6,822 | 6,818 | 6,599 |
| - | State government | 1,672.3 | 1,576.6 | 1,614.7 | 1,583.7 | 1,504.4 |
| - | Hospitals | 308.0 | 308.0 | 303.8 | 298.7 | 297.7 |
| - | State education | 700.2 | 603.1 | 710.0 | 684.9 | 599.9 |
| - | General administration including executive, legislative, and judicial functions | 450.0 | 449.4 | 392.1 | 392.1 | 395.3 |
| - | Local government | 5,339.3 | 5,186.6 | 5,207.4 | 5,233.8 | 5,095.0 |
| - | Transportation and public utilities | 88.1 | 88.6 | 89.2 | 89.9 | 91.5 |
| - | Hospitals | 513.1 | 517.2 | 517.4 | 516.3 | 520.7 |
| - | Local education | 3,590.7 | 3,389.7 | 3,473.9 | 3,491.8 | 3,288.5 |
| - | General administration including executive, legislative, and judicial functions | 962.4 | 1,000.3 | 946.3 | 951.5 | 996.6 |

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 | 1982 | | | | | 1983 | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. p |
| TOTAL | 89,264 | 89,235 | 88,938 | 88,785 | 88,665 | 88,885 | 88,746 | 86,814 | 89,090 | 89,421 | 89,844 | 90,202 | 89,791 |
| GOODS-PRODUCING | 23,672 | 23,530 | 23,287 | 23,131 | 23,061 | 23,186 | 23,049 | 23,030 | 23,159 | 23,347 | 23,518 | 23,728 | 23,815 |
| MINING | 1,113 | 1,100 | 1,082 | 1,066 | 1,053 | 1,037 | 1,014 | 1,006 | 997 | 994 | 1,003 | 1,015 | 1,021 |
| CONSTRUCTION | 3,893 | 3,875 | 3,847 | 3,843 | 3,815 | 3,905 | 3,790 | 3,757 | 3,786 | 3,860 | 3,933 | 3,971 | 4,024 |
| MANUFACTURING | 18,666 | 18,555 | 18,358 | 18,222 | 18,193 | 18,244 | 18,245 | 18,267 | 18,376 | 18,493 | 18,582 | 18,742 | 18,770 |
| DURABLE GOODS | 10,961 | 10,862 | 10,685 | 10,577 | 10,559 | 10,594 | 10,608 | 10,617 | 10,689 | 10,788 | 10,844 | 10,962 | 10,994 |
| Lumber and wood products | 601 | 603 | 605 | 608 | 614 | 625 | 631 | 638 | 651 | 662 | 679 | 688 | 698 |
| Furniture and fixtures | 433 | 428 | 426 | 427 | 429 | 430 | 427 | 433 | 440 | 446 | 450 | 458 | 459 |
| Stone, clay, and glass products | 573 | 570 | 565 | 559 | 554 | 557 | 557 | 559 | 565 | 570 | 573 | 576 | 582 |
| Primary metal industries | 890 | 869 | 840 | 823 | 816 | 817 | 810 | 816 | 820 | 828 | 830 | 840 | 839 |
| Fabricated metal products | 1,416 | 1,402 | 1,378 | 1,362 | 1,359 | 1,364 | 1,364 | 1,362 | 1,369 | 1,379 | 1,384 | 1,393 | 1,416 |
| Machinery, except electrical | 2,213 | 2,184 | 2,122 | 2,088 | 2,066 | 2,048 | 2,042 | 2,030 | 2,031 | 2,064 | 2,066 | 2,093 | 2,100 |
| Electric and electronic equipment | 2,008 | 1,992 | 1,976 | 1,975 | 1,957 | 1,974 | 1,981 | 1,988 | 1,999 | 2,010 | 2,030 | 2,051 | 2,030 |
| Transportation equipment | 1,733 | 1,724 | 1,691 | 1,661 | 1,696 | 1,710 | 1,729 | 1,723 | 1,743 | 1,757 | 1,762 | 1,793 | 1,794 |
| Instruments and related products | 712 | 710 | 705 | 700 | 695 | 695 | 693 | 691 | 690 | 689 | 687 | 687 | 691 |
| Miscellaneous manufacturing ind. | 382 | 380 | 377 | 374 | 373 | 374 | 374 | 377 | 381 | 383 | 383 | 383 | 385 |
| NONDURABLE GOODS | 7,705 | 7,693 | 7,673 | 7,645 | 7,634 | 7,650 | 7,637 | 7,650 | 7,687 | 7,705 | 7,738 | 7,780 | 7,776 |
| Food and kindred products | 1,636 | 1,633 | 1,636 | 1,632 | 1,626 | 1,626 | 1,620 | 1,619 | 1,633 | 1,632 | 1,643 | 1,641 | 1,618 |
| Tobacco manufactures | 67 | 66 | 66 | 63 | 69 | 69 | 67 | 67 | 66 | 66 | 65 | 65 | 61 |
| Textile mill products | 736 | 734 | 733 | 727 | 727 | 726 | 726 | 730 | 733 | 736 | 745 | 747 | 754 |
| Apparel and other textile products | 1,151 | 1,149 | 1,148 | 1,141 | 1,140 | 1,150 | 1,148 | 1,143 | 1,149 | 1,153 | 1,159 | 1,181 | 1,178 |
| Paper and allied products | 657 | 659 | 653 | 654 | 653 | 653 | 652 | 652 | 654 | 656 | 657 | 659 | 661 |
| Printing and publishing | 1,267 | 1,266 | 1,265 | 1,263 | 1,263 | 1,266 | 1,264 | 1,269 | 1,274 | 1,276 | 1,281 | 1,285 | 1,288 |
| Chemicals and allied products | 1,074 | 1,070 | 1,066 | 1,064 | 1,059 | 1,057 | 1,056 | 1,056 | 1,058 | 1,058 | 1,056 | 1,059 | 1,059 |
| Petroleum and coal products | 200 | 202 | 201 | 200 | 199 | 200 | 199 | 199 | 199 | 198 | 198 | 197 | 196 |
| Rubber and misc. plastic products | 698 | 696 | 689 | 685 | 685 | 688 | 691 | 699 | 707 | 716 | 721 | 732 | 741 |
| Leather and leather products | 219 | 218 | 216 | 216 | 213 | 215 | 214 | 216 | 214 | 214 | 213 | 214 | 220 |
| SERVICE-PRODUCING | 65,592 | 65,705 | 65,651 | 65,654 | 65,604 | 65,699 | 65,697 | 65,784 | 65,931 | 66,074 | 66,326 | 66,474 | 65,976 |
| TRANSPORTATION AND PUBLIC UTILITIES | 5,056 | 5,054 | 5,033 | 5,019 | 5,008 | 4,979 | 4,966 | 4,963 | 4,988 | 4,993 | 4,992 | 4,986 | 4,331 |
| WHOLESALE AND RETAIL TRADE | 20,410 | 20,380 | 20,344 | 20,320 | 20,256 | 20,355 | 20,343 | 20,350 | 20,329 | 20,356 | 20,494 | 20,528 | 20,544 |
| WHOLESALE TRADE | 5,265 | 5,252 | 5,237 | 5,212 | 5,192 | 5,185 | 5,181 | 5,176 | 5,180 | 5,197 | 5,222 | 5,233 | 5,247 |
| RETAIL TRADE | 15,145 | 15,128 | 15,107 | 15,108 | 15,064 | 15,170 | 15,162 | 15,174 | 15,149 | 15,159 | 15,272 | 15,295 | 15,297 |
| FINANCE, INSURANCE, AND REAL ESTATE | 5,344 | 5,351 | 5,350 | 5,356 | 5,367 | 5,374 | 5,384 | 5,391 | 5,423 | 5,435 | 5,451 | 5,463 | 5,480 |
| SERVICES | 19,097 | 19,136 | 19,144 | 19,187 | 19,215 | 19,238 | 19,262 | 19,356 | 19,478 | 19,546 | 19,668 | 19,771 | 19,877 |
| GOVERNMENT | 15,685 | 15,784 | 15,780 | 15,772 | 15,758 | 15,753 | 15,742 | 15,724 | 15,713 | 15,744 | 15,721 | 15,726 | 15,744 |
| FEDERAL | 2,739 | 2,735 | 2,742 | 2,746 | 2,747 | 2,748 | 2,742 | 2,742 | 2,738 | 2,756 | 2,742 | 2,737 | 2,733 |
| STATE AND LOCAL | 12,946 | 13,049 | 13,038 | 13,026 | 13,011 | 13,005 | 13,000 | 12,982 | 12,975 | 12,988 | 12,979 | 12,989 | 13,011 |

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 | 1982 | | | | | | | 1983 | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June |
| TOTAL | 39,037 | 38,896 | 38,920 | 38,952 | 38,907 | 38,884 | 38,847 | 38,955 | 38,977 | 39,048 | 39,176 | 39,306 | 39,458 |
| GOODS-PRODUCING | 6,535 | 6,497 | 6,477 | 6,438 | 6,390 | 6,353 | 6,336 | 6,376 | 6,376 | 6,390 | 6,433 | 6,466 | 6,505 |
| MINING | 137 | 135 | 134 | 134 | 132 | 130 | 129 | 129 | 128 | 127 | 126 | 123 | 122 |
| CONSTRUCTION | 377 | 377 | 376 | 376 | 375 | 375 | 377 | 379 | 379 | 380 | 380 | 382 | 384 |
| MANUFACTURING | 6,021 | 5,985 | 5,967 | 5,928 | 5,883 | 5,848 | 5,830 | 5,868 | 5,869 | 5,883 | 5,927 | 5,961 | 5,999 |
| DURABLE GOODS | 2,852 | 2,841 | 2,815 | 2,787 | 2,748 | 2,729 | 2,717 | 2,732 | 2,738 | 2,748 | 2,769 | 2,792 | 2,808 |
| Lumber and wood products | 90 | 90 | 90 | 90 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 100 |
| Furnitures and fixtures | 130 | 129 | 130 | 129 | 128 | 129 | 128 | 130 | 129 | 131 | 133 | 134 | 135 |
| Stone, clay, and glass products | 115 | 115 | 113 | 113 | 111 | 105 | 108 | 108 | 107 | 108 | 110 | 111 | 110 |
| Primary metal industries | 105 | 104 | 102 | 100 | 97 | 94 | 94 | 95 | 96 | 96 | 96 | 96 | 97 |
| Fabricated metal products | 303 | 301 | 300 | 297 | 292 | 290 | 291 | 293 | 295 | 296 | 298 | 301 | 303 |
| Machinery, except electrical | 486 | 479 | 473 | 468 | 458 | 453 | 450 | 447 | 445 | 443 | 445 | 451 | 452 |
| Electric and electronic equipment | 856 | 851 | 847 | 836 | 827 | 826 | 814 | 822 | 826 | 831 | 837 | 844 | 851 |
| Transportation equipment | 287 | 290 | 285 | 282 | 279 | 275 | 280 | 283 | 286 | 287 | 291 | 295 | 296 |
| Instruments and related products | 304 | 304 | 301 | 299 | 296 | 294 | 292 | 292 | 291 | 291 | 290 | 289 | 289 |
| Miscellaneous manufacturing ind. | 176 | 178 | 174 | 173 | 170 | 168 | 168 | 169 | 169 | 170 | 173 | 174 | 175 |
| NONDURABLE GOODS | 3,169 | 3,144 | 3,152 | 3,141 | 3,135 | 3,119 | 3,113 | 3,136 | 3,131 | 3,135 | 3,458 | 3,169 | 3,191 |
| Food and kindred products | 494 | 498 | 497 | 496 | 499 | 497 | 495 | 499 | 498 | 497 | 505 | 505 | 513 |
| Tobacco manufactures | 24 | 24 | 24 | 23 | 23 | 22 | 24 | 24 | 23 | 23 | 23 | 23 | 23 |
| Textile mill products | 355 | 354 | 351 | 350 | 350 | 347 | 346 | 346 | 345 | 348 | 349 | 350 | 355 |
| Apparel and other textile products | 939 | 917 | 928 | 926 | 926 | 921 | 917 | 932 | 928 | 924 | 929 | 933 | 937 |
| Paper and allied products | 152 | 152 | 151 | 151 | 150 | 150 | 150 | 150 | 149 | 150 | 151 | 151 | 152 |
| Printing and publishing | 515 | 515 | 514 | 514 | 512 | 511 | 512 | 513 | 513 | 515 | 518 | 520 | 523 |
| Chemicals and allied products | 281 | 280 | 280 | 279 | 277 | 276 | 275 | 274 | 275 | 275 | 276 | 276 | 277 |
| Petroleum and coal products | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 |
| Rubber and misc. plastics products | 245 | 244 | 245 | 241 | 238 | 235 | 236 | 238 | 241 | 244 | 249 | 253 | 254 |
| Leather and leather products | 133 | 131 | 131 | 130 | 129 | 129 | 127 | 129 | 128 | 128 | 127 | 128 | 127 |
| SERVICE-PRODUCING | 32,502 | 32,399 | 32,443 | 32,514 | 32,517 | 32,531 | 32,511 | 32,579 | 32,601 | 32,658 | 32,743 | 32,840 | 32,953 |
| TRANSPORTATION AND PUBLIC UTILITIES | 1,339 | 1,337 | 1,334 | 1,335 | 1,332 | 1,330 | 1,331 | 1,328 | 1,328 | 1,328 | 1,332 | 1,329 | 1,333 |
| WHOLESALE AND RETAIL TRADE .. | 9,063 | 9,074 | 9,061 | 9,049 | 9,045 | 9,033 | 8,997 | 9,063 | 9,068 | 9,088 | 9,094 | 9,099 | 9,167 |
| WHOLESALE TRADE | 1,399 | 1,397 | 1,393 | 1,389 | 1,387 | 1,380 | 1,378 | 1,374 | 1,375 | 1,372 | 1,377 | 1,381 | 1,396 |
| RETAIL TRADE | 7,664 | 7,677 | 7,668 | 7,660 | 7,658 | 7,653 | 7,619 | 7,689 | 7,693 | 7,716 | 7,717 | 7,718 | 7,771 |
| FINANCE, INSURANCE, AND REAL ESTATE | 3,201 | 3,200 | 3,201 | 3,206 | 3,203 | 3,207 | 3,212 | 3,218 | 3,220 | 3,227 | 3,251 | 3,255 | 3,263 |
| SERVICES | 11,306 | 11,336 | 11,351 | 11,394 | 11,410 | 11,431 | 11,456 | 11,474 | 11,500 | 11,536 | 11,603 | 11,654 | 11,708 |
| GOVERNMENT | 7,593 | 7,452 | 7,496 | 7,530 | 7,527 | 7,530 | 7,515 | 7,496 | 7,485 | 7,479 | 7,463 | 7,503 | 7,482 |
| FEDERAL | 882 | 884 | 886 | 889 | 887 | 894 | 894 | 892 | 891 | 902 | 910 | 928 | 935 |
| STATE AND LOCAL | 6,711 | 6,568 | 6,610 | 6,641 | 6,640 | 6,636 | 6,621 | 6,604 | 6,594 | 6,577 | 6,553 | 6,575 | 6,547 |

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 | 1982 | | | | | 1983 | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|--------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July ^P | Aug. P |
| TOTAL PRIVATE | 59,367 | 59,247 | 58,988 | 58,850 | 58,764 | 58,939 | 58,801 | 58,889 | 59,150 | 59,462 | 59,871 | 60,191 | 59,739 |
| GOODS-PRODUCING | 16,430 | 16,307 | 16,095 | 15,961 | 15,908 | 16,019 | 15,900 | 15,881 | 16,016 | 16,183 | 16,349 | 16,542 | 16,627 |
| MINING | 804 | 792 | 776 | 763 | 750 | 736 | 715 | 707 | 701 | 699 | 710 | 720 | 726 |
| CONSTRUCTION | 2,992 | 2,973 | 2,951 | 2,946 | 2,917 | 2,992 | 2,882 | 2,851 | 2,880 | 2,953 | 3,024 | 3,057 | 3,106 |
| MANUFACTURING | 12,634 | 12,542 | 12,368 | 12,252 | 12,241 | 12,291 | 12,303 | 12,323 | 12,435 | 12,531 | 12,615 | 12,765 | 12,795 |
| DURABLE GOODS | 7,234 | 7,150 | 6,992 | 6,900 | 6,892 | 6,931 | 6,949 | 6,961 | 7,035 | 7,115 | 7,169 | 7,277 | 7,307 |
| Lumber and wood products | 491 | 493 | 495 | 500 | 506 | 515 | 522 | 529 | 540 | 550 | 566 | 574 | 584 |
| Furniture and fixtures | 342 | 338 | 336 | 337 | 338 | 339 | 337 | 342 | 349 | 354 | 357 | 364 | 368 |
| Stone, clay, and glass products | 434 | 432 | 427 | 422 | 418 | 421 | 421 | 423 | 429 | 434 | 436 | 440 | 446 |
| Primary metal industries | 658 | 640 | 615 | 601 | 596 | 598 | 595 | 601 | 608 | 615 | 616 | 626 | 625 |
| Fabricated metal products | 1,018 | 1,008 | 988 | 975 | 973 | 981 | 983 | 982 | 987 | 996 | 1,003 | 1,011 | 1,030 |
| Machinery, except electrical | 1,321 | 1,297 | 1,243 | 1,215 | 1,199 | 1,186 | 1,179 | 1,171 | 1,175 | 1,201 | 1,204 | 1,227 | 1,240 |
| Electric and electronic equipment | 1,206 | 1,193 | 1,180 | 1,178 | 1,161 | 1,182 | 1,187 | 1,193 | 1,204 | 1,213 | 1,226 | 1,243 | 1,220 |
| Transportation equipment | 1,082 | 1,072 | 1,039 | 1,010 | 1,044 | 1,055 | 1,073 | 1,066 | 1,085 | 1,093 | 1,103 | 1,133 | 1,130 |
| Instruments and related products | 407 | 404 | 398 | 394 | 390 | 387 | 385 | 384 | 384 | 384 | 382 | 382 | 385 |
| Miscellaneous manufacturing ind. | 275 | 273 | 271 | 268 | 267 | 267 | 267 | 270 | 274 | 275 | 276 | 277 | 279 |
| NONDURABLE GOODS | 5,400 | 5,332 | 5,376 | 5,352 | 5,349 | 5,360 | 5,354 | 5,362 | 5,400 | 5,416 | 5,446 | 5,488 | 5,488 |
| Food and kindred products | 1,126 | 1,123 | 1,127 | 1,123 | 1,119 | 1,119 | 1,115 | 1,114 | 1,126 | 1,126 | 1,136 | 1,135 | 1,112 |
| Tobacco manufactures | 53 | 51 | 51 | 48 | 54 | 54 | 52 | 52 | 51 | 51 | 50 | 50 | 46 |
| Textile mill products | 630 | 628 | 629 | 623 | 623 | 622 | 622 | 627 | 631 | 634 | 643 | 644 | 651 |
| Apparel and other textile products | 972 | 971 | 968 | 962 | 963 | 973 | 970 | 965 | 972 | 976 | 980 | 1,001 | 997 |
| Paper and allied products | 489 | 492 | 486 | 487 | 486 | 486 | 486 | 486 | 488 | 491 | 491 | 495 | 496 |
| Printing and publishing | 696 | 696 | 696 | 694 | 695 | 694 | 694 | 694 | 699 | 701 | 705 | 706 | 710 |
| Chemicals and allied products | 597 | 595 | 593 | 592 | 589 | 588 | 587 | 585 | 587 | 585 | 586 | 590 | 595 |
| Petroleum and coal products | 119 | 122 | 120 | 120 | 119 | 120 | 121 | 122 | 122 | 120 | 119 | 119 | 119 |
| Rubber and misc. plastics products | 535 | 532 | 526 | 523 | 524 | 525 | 529 | 538 | 546 | 554 | 558 | 569 | 578 |
| Leather and leather products | 183 | 162 | 180 | 180 | 177 | 179 | 178 | 179 | 178 | 178 | 178 | 179 | 184 |
| SERVICE-PRODUCING | 42,937 | 42,940 | 42,893 | 42,889 | 42,856 | 42,920 | 42,901 | 43,008 | 43,134 | 43,279 | 43,522 | 43,649 | 43,112 |
| TRANSPORTATION AND PUBLIC UTILITIES | 4,168 | 4,171 | 4,149 | 4,135 | 4,125 | 4,103 | 4,087 | 4,086 | 4,106 | 4,111 | 4,110 | 4,104 | 3,455 |
| WHOLESALE AND RETAIL TRADE | 17,833 | 17,800 | 17,764 | 17,738 | 17,689 | 17,774 | 17,769 | 17,776 | 17,754 | 17,797 | 17,910 | 17,958 | 17,961 |
| WHOLESALE TRADE | 4,252 | 4,240 | 4,225 | 4,201 | 4,183 | 4,171 | 4,166 | 4,156 | 4,165 | 4,182 | 4,203 | 4,214 | 4,226 |
| RETAIL TRADE | 13,581 | 13,560 | 13,539 | 13,537 | 13,506 | 13,603 | 13,603 | 13,620 | 13,589 | 13,615 | 13,707 | 13,744 | 13,735 |
| FINANCE, INSURANCE, AND REAL ESTATE | 3,990 | 3,994 | 3,990 | 3,993 | 3,997 | 3,998 | 4,003 | 4,012 | 4,037 | 4,049 | 4,065 | 4,070 | 4,078 |
| SERVICES | 16,946 | 16,975 | 16,990 | 17,023 | 17,045 | 17,045 | 17,042 | 17,134 | 17,237 | 17,322 | 17,437 | 17,517 | 17,618 |

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased

| Time span | Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|--------------------|-----------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|
| Over 1-month span | 1981..... | 57.8 | 52.4 | 52.2 | 65.6 | 60.2 | 58.9 | 62.6 | 49.5 | 42.2 | 33.3 | 29.3 | 30.9 |
| | 1982..... | 28.5 | 45.4 | 36.0 | 39.0 | 47.6 | 32.8 | 38.4 | 37.1 | 34.1 | 29.3 | 32.0 | 42.2 |
| | 1983..... | 56.5 | 45.7 | 62.4 | 69.1 | 71.0 | 64.5 | 70.7p | 68.5p | | | | |
| Over 3-month span | 1981..... | 58.3 | 54.6 | 59.1 | 65.9 | 67.5 | 66.7 | 60.5 | 50.5 | 33.3 | 30.1 | 24.5 | 23.4 |
| | 1982..... | 25.3 | 28.8 | 32.0 | 34.1 | 32.5 | 33.6 | 27.2 | 27.2 | 26.1 | 25.5 | 24.7 | 40.6 |
| | 1983..... | 45.4 | 55.1 | 65.6 | 75.8 | 76.1 | 78.0p | 74.2p | | | | | |
| Over 6-month span | 1981..... | 68.5 | 65.3 | 63.7 | 69.4 | 64.2 | 58.6 | 45.7 | 34.4 | 29.6 | 24.2 | 25.0 | 22.0 |
| | 1982..... | 20.2 | 23.7 | 25.3 | 29.8 | 26.1 | 26.1 | 23.4 | 19.1 | 21.2 | 26.1 | 26.6 | 35.8 |
| | 1983..... | 50.5 | 63.2 | 73.4 | 77.4p | 80.1p | | | | | | | |
| Over 12-month span | 1981..... | 74.5 | 71.2 | 70.4 | 58.1 | 47.6 | 41.4 | 34.9 | 29.8 | 27.4 | 23.7 | 25.3 | 23.1 |
| | 1982..... | 22.0 | 20.7 | 18.0 | 19.4 | 18.3 | 20.7 | 20.7 | 22.8 | 24.2 | 31.5 | 37.6 | 44.1 |
| | 1983..... | 50.0p | 59.1p | | | | | | | | | | |

¹ Number of employees, seasonally adjusted for 1, 3, and 6 month spans, on payrolls of 186 private nonagricultural industries.
p = preliminary.

NOTE: Figures are the percent of industries with employment rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

| State and areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|---|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| 1 ALABAMA | 1,316.2 | 1,319.4 | 1,319.3 | 16.3 | 14.7 | 14.9 | 59.2 | 60.5 | 60.4 | 332.2 | 330.4 | 326.9 |
| 2 Birmingham | 336.2 | 332.5 | 333.6 | 8.5 | 7.3 | 7.3 | 17.6 | 18.2 | 18.3 | 51.7 | 46.8 | 46.5 |
| 3 Huntsville | 124.2 | 131.0 | 131.1 | (1) | (1) | (1) | 3.9 | 4.1 | 4.2 | 35.9 | 40.3 | 40.2 |
| 4 Mobile | 148.9 | 148.8 | 148.6 | (1) | (1) | (1) | 9.6 | 9.9 | 9.9 | 28.4 | 26.5 | 26.4 |
| 5 Montgomery | 104.5 | 103.4 | 103.7 | (1) | (1) | (1) | 5.3 | 5.9 | 6.1 | 15.5 | 14.4 | 14.5 |
| 6 Tuscaloosa | 48.9 | 48.4 | 48.4 | 2.5 | 1.8 | 1.9 | 2.1 | 2.1 | 2.1 | 7.7 | 7.9 | 8.0 |
| 7 ALASKA | 207.2 | 217.0 | 227.1 | 9.9 | 10.3 | 10.5 | 17.4 | 20.1 | 20.7 | 17.9 | 13.1 | 21.9 |
| 8 ARIZONA | 1,002.8 | 1,027.1 | 1,019.0 | 17.7 | 15.8 | 14.8 | 63.6 | 73.4 | 74.7 | 152.8 | 152.2 | 153.3 |
| 9 Phoenix | 637.8 | 654.1 | 650.6 | .4 | .6 | .6 | 42.3 | 49.7 | 50.4 | 111.1 | 109.3 | 110.8 |
| 10 Tucson | 182.8 | 193.1 | 189.7 | 4.2 | 3.7 | 3.3 | 12.1 | 14.4 | 15.0 | 25.7 | 26.6 | 26.3 |
| 11 ARKANSAS | 710.6 | 725.5 | 720.9 | 6.0 | 5.8 | 6.0 | 31.7 | 31.7 | 32.5 | 196.2 | 203.6 | 204.2 |
| 12 Fayetteville—Springdale | 64.1 | 65.4 | 65.2 | (1) | (1) | (1) | 2.4 | 2.3 | 2.4 | 19.3 | 18.4 | 18.6 |
| 13 Fort Smith | 64.4 | 66.7 | 67.2 | 1.2 | 1.1 | 1.1 | 2.5 | 2.3 | 2.3 | 19.7 | 22.4 | 22.8 |
| 14 Little Rock—North Little Rock | 175.7 | 178.4 | 178.5 | (1) | (1) | (1) | 8.8 | 8.7 | 9.0 | 26.4 | 25.8 | 26.0 |
| 15 Pine Bluff | 28.5 | 28.9 | 28.3 | (1) | (1) | (1) | 1.3 | 1.2 | 1.1 | 5.7 | 5.8 | 5.9 |
| 16 CALIFORNIA | 9,789.4 | 9,924.9 | 9,846.9 | 50.7 | 47.7 | 48.0 | 374.1 | 376.8 | 374.6 | 1,930.7 | 1,894.7 | 1,906.1 |
| 17 Anaheim—Santa Ana—Garden Grove | 844.0 | 846.7 | 830.8 | 3.8 | 3.2 | 3.3 | 38.8 | 32.2 | 28.8 | 213.6 | 211.2 | 211.3 |
| 18 Bakersfield | 137.3 | 139.3 | 136.9 | 14.7 | 14.4 | 14.6 | 6.9 | 6.3 | 5.6 | 9.8 | 9.7 | 9.7 |
| 19 Fresno | 174.6 | 176.3 | 174.4 | 1.1 | 1.2 | 1.2 | 8.6 | 8.3 | 8.6 | 22.5 | 21.5 | 22.9 |
| 20 Los Angeles—Long Beach | 3,527.6 | 3,592.2 | 3,553.9 | 14.7 | 14.2 | 14.2 | 105.4 | 99.6 | 88.5 | 853.4 | 852.2 | 850.1 |
| 21 Modesto | 86.2 | 84.2 | 84.5 | .1 | .1 | .1 | 4.1 | 4.2 | 4.1 | 20.7 | 17.9 | 18.8 |
| 22 Oxnard—Simi Valley—Ventura | 161.4 | 162.0 | 159.6 | 3.3 | 2.9 | 3.0 | 5.4 | 5.4 | 4.8 | 25.9 | 25.9 | 25.8 |
| 23 Riverside—San Bernardino—Ontario | 424.2 | 431.2 | 420.6 | 1.5 | 1.0 | .9 | 20.1 | 19.6 | 18.8 | 58.9 | 57.7 | 58.0 |
| 24 Sacramento | 401.2 | 408.4 | 401.7 | .8 | .8 | .8 | 16.6 | 16.5 | 16.6 | 27.0 | 26.6 | 26.9 |
| 25 Salinas—Seaside—Monterey | 92.0 | 91.2 | 92.2 | .4 | .4 | .4 | 2.9 | 3.1 | 3.1 | 9.9 | 9.1 | 9.7 |
| 26 San Diego | 655.3 | 664.3 | 658.0 | .5 | .5 | .5 | 28.5 | 25.3 | 26.0 | 108.7 | 104.6 | 105.6 |
| 27 San Francisco—Oakland | 1,551.8 | 1,562.7 | 1,546.0 | 4.4 | 4.4 | 4.5 | 72.7 | 71.1 | 71.2 | 190.6 | 183.0 | 184.1 |
| 28 San Jose | 692.8 | 696.0 | 687.1 | .1 | .1 | .1 | 22.4 | 23.1 | 23.2 | 261.1 | 252.3 | 253.5 |
| 29 Santa Barbara—Santa Maria—Lompoc | 123.8 | 125.5 | 124.5 | 1.5 | 1.4 | 1.3 | 4.7 | 4.5 | 4.2 | 18.2 | 19.0 | 19.6 |
| 30 Santa Rosa | 93.7 | 95.8 | 93.3 | .5 | .5 | .6 | 5.0 | 4.7 | 4.9 | 15.5 | 14.6 | 14.8 |
| 31 Stockton | 117.0 | 116.3 | 115.6 | .1 | .1 | .1 | 5.3 | 5.1 | 5.3 | 22.1 | 18.6 | 20.5 |
| 32 Vallejo—Fairfield—Napa | 101.4 | 103.3 | 100.9 | .5 | .5 | .5 | 4.4 | 4.7 | 4.7 | 11.9 | 10.4 | 11.2 |
| 33 COLORADO | 1,303.4 | 1,343.3 | 1,345.1 | 43.2 | 39.3 | 40.2 | 82.4 | 86.4 | 88.9 | 182.7 | 179.7 | 180.8 |
| 34 Denver—Boulder | 840.5 | 866.7 | 864.1 | 30.2 | 28.1 | 28.2 | 49.4 | 52.1 | 53.1 | 126.7 | 125.3 | 125.7 |
| 35 CONNECTICUT | 1,416.9 | 1,440.1 | 1,419.8 | (2) | (2) | (2) | 53.9 | 52.5 | 54.0 | 409.8 | 402.7 | 396.0 |
| 36 Bridgeport | 167.4 | 165.4 | 162.4 | (2) | (2) | (2) | 5.2 | 5.1 | 5.4 | 61.0 | 57.9 | 56.6 |
| 37 Hartford | 396.1 | 400.6 | 396.4 | (2) | (2) | (2) | 12.3 | 12.0 | 12.2 | 90.2 | 87.3 | 86.8 |
| 38 New Britain | 59.1 | 59.1 | 58.2 | (2) | (2) | (2) | 2.3 | 2.1 | 2.3 | 25.2 | 24.2 | 23.7 |
| 39 New Haven—West Haven | 186.5 | 185.2 | 182.2 | (2) | (2) | (2) | 6.9 | 6.4 | 6.7 | 39.2 | 36.8 | 35.8 |
| 40 Stamford | 115.2 | 117.0 | 115.9 | (2) | (2) | (2) | 5.5 | 5.4 | 5.5 | 32.0 | 32.3 | 32.0 |
| 41 Waterbury | 85.3 | 85.9 | 84.4 | (2) | (2) | (2) | 3.2 | 3.1 | 3.2 | 29.2 | 28.8 | 27.9 |
| 42 DELAWARE | 264.9 | 263.7 | 265.1 | (1) | (1) | (1) | 16.5 | 17.2 | 17.2 | 69.9 | 67.7 | 68.0 |
| 43 Wilmington | 232.4 | 232.1 | 232.1 | (1) | (1) | (1) | 19.5 | 19.8 | 20.1 | 62.4 | 59.5 | 59.8 |
| 44 DISTRICT OF COLUMBIA | 612.2 | 597.9 | 610.2 | (1) | (1) | (1) | 10.5 | 10.1 | 10.2 | 13.8 | 13.6 | 13.5 |
| 45 Washington SMSA | 1,616.5 | 1,626.7 | 1,634.3 | (1) | (1) | (1) | 69.6 | 72.8 | 75.0 | 60.8 | 63.0 | 63.6 |
| 46 FLORIDA | 3,693.9 | 3,849.4 | 3,801.2 | 9.1 | 9.2 | 9.3 | 256.6 | 250.3 | 254.7 | 448.8 | 468.1 | 462.8 |
| 47 Daytona Beach | 83.8 | 85.0 | 83.8 | - | - | - | 4.4 | 4.1 | 4.3 | 9.1 | 9.8 | 10.0 |
| 48 Fort Lauderdale—Hollywood | 355.5 | 360.4 | 357.8 | (1) | (1) | (1) | 25.8 | 24.7 | 24.7 | 39.8 | 39.2 | 39.2 |
| 49 Fort Myers—Cape Coral | 74.0 | 77.9 | 74.5 | (1) | (1) | (1) | 8.3 | 9.2 | 9.4 | 4.2 | 4.1 | 4.1 |
| 50 Gainesville | 73.0 | 67.3 | 67.8 | (1) | (1) | (1) | 3.7 | 4.3 | 4.3 | 4.2 | 4.2 | 4.2 |
| 51 Jacksonville | 302.3 | 313.0 | 310.0 | (1) | (1) | (1) | 18.7 | 19.5 | 19.5 | 33.3 | 31.2 | 31.8 |
| 52 Lakeland—Winter Haven | 110.4 | 114.2 | 111.2 | 4.2 | 4.1 | 4.2 | 7.5 | 6.6 | 6.6 | 17.3 | 18.0 | 17.4 |
| 53 Melbourne—Titusville—Cocoa | 109.3 | 113.7 | 114.3 | (1) | (1) | (1) | 5.9 | 5.9 | 6.0 | 23.9 | 24.5 | 24.7 |
| 54 Miami | 721.9 | 734.2 | 726.6 | (1) | (1) | (1) | 36.2 | 34.9 | 35.1 | 93.3 | 96.1 | 94.9 |
| 55 Orlando | 307.8 | 337.0 | 324.5 | (1) | (1) | (1) | 25.0 | 25.1 | 26.3 | 38.7 | 39.5 | 38.9 |
| 56 Pensacola | 99.8 | 106.4 | 102.4 | (1) | (1) | (1) | 7.2 | 8.8 | 8.5 | 12.5 | 12.5 | 12.4 |
| 57 Sarasota | 74.7 | 77.8 | 77.8 | (1) | (1) | (1) | 7.0 | 6.8 | 6.7 | 5.8 | 5.8 | 5.9 |
| 58 Tallahassee | 73.9 | 75.2 | 74.1 | (1) | (1) | (1) | 3.6 | 3.6 | 3.7 | 3.1 | 3.2 | 3.2 |
| 59 Tampa—St. Petersburg | 579.9 | 600.5 | 593.9 | (1) | (1) | (1) | 39.5 | 40.7 | 41.2 | 77.3 | 79.7 | 79.9 |
| 60 West Palm Beach—Boca Raton | 212.7 | 225.1 | 219.7 | (1) | (1) | (1) | 18.8 | 16.9 | 17.3 | 27.5 | 29.4 | 29.3 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 72.1 | 70.9 | 70.6 | 268.0 | 266.2 | 266.5 | 59.4 | 59.2 | 59.4 | 216.5 | 218.2 | 218.8 | 292.5 | 299.3 | 301.8 | 1 |
| 29.6 | 29.6 | 29.7 | 79.8 | 78.4 | 78.4 | 23.5 | 23.9 | 24.0 | 71.7 | 73.7 | 73.7 | 53.8 | 54.6 | 55.7 | 2 |
| 2.8 | 2.7 | 2.7 | 22.3 | 22.8 | 22.9 | 3.6 | 3.5 | 3.5 | 20.4 | 21.0 | 21.1 | 35.3 | 36.6 | 36.5 | 3 |
| 10.3 | 10.0 | 9.7 | 37.1 | 37.1 | 37.1 | 7.2 | 6.7 | 6.7 | 31.5 | 31.4 | 31.6 | 24.8 | 27.2 | 27.2 | 4 |
| 4.6 | 4.6 | 4.5 | 23.3 | 23.4 | 23.5 | 6.2 | 6.2 | 6.2 | 20.6 | 20.5 | 20.5 | 29.0 | 28.4 | 28.4 | 5 |
| 1.8 | 1.7 | 1.7 | 9.9 | 10.0 | 10.0 | 1.6 | 1.6 | 1.7 | 6.4 | 6.2 | 6.2 | 16.9 | 17.1 | 16.8 | 6 |
| 19.8 | 20.2 | 21.0 | 37.0 | 41.1 | 41.4 | 9.9 | 10.4 | 10.6 | 36.5 | 38.9 | 39.5 | 58.8 | 62.9 | 61.5 | 7 |
| 56.6 | 55.7 | 55.9 | 249.4 | 253.9 | 251.1 | 61.9 | 62.7 | 63.0 | 221.3 | 225.7 | 225.3 | 179.5 | 187.7 | 180.9 | 8 |
| 35.6 | 35.2 | 35.2 | 165.6 | 169.2 | 166.8 | 48.3 | 48.4 | 48.7 | 144.8 | 149.4 | 148.3 | 89.7 | 92.3 | 89.8 | 9 |
| 9.1 | 8.7 | 8.8 | 42.8 | 43.1 | 42.5 | 8.5 | 9.1 | 9.2 | 42.6 | 44.4 | 44.2 | 37.8 | 43.1 | 40.4 | 10 |
| 42.8 | 42.2 | 42.4 | 160.0 | 159.3 | 158.9 | 32.8 | 33.0 | 33.0 | 118.4 | 120.9 | 120.4 | 122.7 | 129.0 | 123.5 | 11 |
| 4.0 | 4.5 | 4.6 | 15.9 | 16.3 | 16.4 | 2.3 | 2.5 | 2.5 | 9.4 | 9.7 | 9.6 | 10.8 | 11.7 | 11.1 | 12 |
| 3.6 | 3.6 | 3.6 | 14.3 | 14.3 | 14.4 | 2.5 | 2.5 | 2.6 | 12.2 | 12.2 | 12.3 | 8.4 | 8.3 | 8.1 | 13 |
| 13.2 | 13.2 | 13.4 | 42.4 | 43.5 | 43.5 | 13.4 | 13.5 | 13.4 | 37.0 | 38.1 | 38.6 | 34.5 | 35.6 | 34.6 | 14 |
| 3.7 | 3.3 | 3.2 | 5.8 | 5.6 | 5.6 | 1.3 | 1.3 | 1.3 | 5.5 | 5.7 | 5.6 | 5.2 | 6.0 | 5.6 | 15 |
| 547.4 | 537.4 | 541.0 | 2,276.9 | 2,309.5 | 2,318.6 | 647.7 | 652.5 | 654.9 | 2,298.2 | 2,349.4 | 2,351.6 | 1,663.7 | 1,756.9 | 1,652.1 | 16 |
| 29.7 | 28.3 | 28.3 | 210.7 | 209.1 | 209.5 | 60.2 | 59.7 | 59.7 | 192.7 | 196.5 | 197.1 | 94.5 | 106.5 | 92.8 | 17 |
| 7.9 | 7.8 | 7.8 | 35.6 | 36.2 | 36.2 | 5.4 | 5.4 | 5.5 | 25.6 | 25.6 | 25.6 | 31.4 | 33.9 | 31.9 | 18 |
| 10.4 | 10.6 | 10.7 | 46.7 | 45.6 | 46.3 | 11.2 | 11.5 | 11.4 | 37.8 | 37.0 | 37.2 | 36.3 | 40.6 | 36.1 | 19 |
| 198.9 | 194.1 | 194.0 | 813.2 | 821.7 | 828.7 | 237.0 | 240.8 | 242.6 | 866.5 | 899.6 | 898.9 | 438.5 | 470.0 | 436.9 | 20 |
| 4.2 | 4.0 | 4.0 | 21.3 | 21.3 | 21.3 | 3.4 | 3.4 | 3.4 | 17.7 | 17.4 | 17.6 | 14.7 | 15.9 | 15.2 | 21 |
| 6.6 | 6.5 | 6.7 | 39.5 | 39.9 | 40.0 | 10.4 | 10.4 | 10.4 | 33.2 | 33.7 | 33.5 | 37.1 | 37.3 | 35.4 | 22 |
| 25.6 | 25.1 | 25.0 | 108.0 | 109.4 | 108.9 | 19.0 | 18.7 | 18.7 | 95.2 | 97.2 | 95.6 | 95.9 | 102.5 | 94.7 | 23 |
| 22.1 | 21.8 | 21.7 | 94.6 | 95.3 | 95.4 | 22.9 | 22.7 | 22.7 | 79.3 | 80.6 | 80.5 | 137.9 | 144.1 | 137.1 | 24 |
| 4.7 | 4.7 | 4.7 | 24.6 | 24.3 | 24.7 | 4.2 | 4.3 | 4.3 | 21.2 | 21.0 | 21.4 | 24.1 | 24.3 | 23.9 | 25 |
| 29.9 | 29.3 | 29.2 | 152.9 | 156.3 | 156.8 | 42.1 | 42.1 | 42.2 | 161.6 | 164.6 | 165.9 | 131.1 | 141.6 | 131.8 | 26 |
| 126.9 | 123.1 | 123.8 | 358.4 | 357.4 | 358.7 | 154.0 | 153.9 | 154.1 | 373.0 | 382.5 | 381.4 | 271.8 | 287.3 | 268.2 | 27 |
| 22.7 | 22.0 | 21.9 | 126.4 | 128.4 | 129.2 | 28.5 | 28.8 | 28.7 | 160.0 | 162.4 | 160.5 | 71.6 | 78.9 | 70.0 | 28 |
| 5.5 | 5.3 | 5.3 | 30.3 | 29.8 | 29.8 | 6.2 | 6.3 | 6.3 | 34.7 | 34.4 | 34.5 | 22.7 | 24.8 | 23.5 | 29 |
| 4.9 | 4.7 | 4.8 | 23.7 | 23.6 | 23.7 | 6.1 | 6.1 | 6.1 | 21.0 | 21.1 | 21.2 | 17.0 | 20.5 | 17.2 | 30 |
| 7.9 | 8.0 | 7.8 | 26.9 | 27.0 | 27.5 | 6.2 | 6.2 | 6.2 | 24.1 | 24.1 | 23.9 | 24.4 | 27.2 | 24.3 | 31 |
| 4.6 | 4.6 | 4.5 | 22.7 | 22.9 | 23.1 | 3.5 | 3.5 | 3.5 | 20.5 | 20.9 | 20.4 | 33.3 | 35.8 | 33.0 | 32 |
| 85.8 | 84.5 | 85.5 | 321.5 | 330.3 | 330.8 | 84.1 | 87.0 | 87.0 | 280.8 | 293.3 | 295.0 | 223.0 | 242.7 | 237.0 | 33 |
| 61.1 | 62.0 | 63.0 | 201.0 | 206.1 | 205.8 | 60.4 | 63.0 | 62.9 | 186.5 | 194.4 | 196.3 | 125.1 | 135.8 | 129.2 | 34 |
| 60.8 | 62.2 | 59.4 | 303.6 | 310.3 | 310.2 | 115.5 | 117.4 | 118.1 | 307.1 | 310.4 | 313.6 | 166.2 | 184.6 | 168.5 | 35 |
| 6.4 | 6.5 | 6.3 | 35.0 | 35.0 | 35.2 | 7.8 | 7.9 | 7.9 | 37.0 | 36.4 | 36.4 | 15.0 | 16.6 | 14.6 | 36 |
| 13.3 | 13.9 | 13.8 | 83.4 | 84.0 | 83.9 | 67.3 | 66.9 | 67.2 | 80.1 | 83.8 | 83.7 | 49.5 | 52.7 | 49.5 | 37 |
| 3.6 | 3.8 | 3.7 | 10.0 | 10.0 | 9.8 | 1.9 | 1.9 | 1.9 | 10.7 | 11.0 | 10.8 | 5.4 | 6.1 | 6.0 | 38 |
| 15.2 | 15.8 | 15.3 | 41.2 | 40.9 | 40.8 | 11.2 | 11.2 | 11.3 | 50.4 | 50.8 | 50.9 | 22.4 | 23.3 | 21.4 | 39 |
| 4.7 | 4.7 | 4.6 | 26.3 | 26.8 | 26.6 | 9.2 | 9.4 | 9.4 | 27.8 | 28.1 | 28.2 | 9.7 | 10.3 | 9.6 | 40 |
| 3.1 | 3.5 | 3.3 | 16.3 | 16.6 | 16.4 | 3.9 | 4.0 | 4.0 | 19.1 | 18.7 | 18.8 | 10.5 | 11.2 | 10.8 | 41 |
| 11.4 | 11.3 | 10.6 | 58.3 | 59.2 | 59.7 | 13.7 | 13.7 | 13.9 | 51.8 | 51.8 | 51.8 | 43.4 | 42.9 | 43.9 | 42 |
| 11.1 | 11.0 | 10.6 | 47.5 | 48.6 | 48.5 | 12.6 | 12.6 | 12.8 | 46.2 | 46.5 | 46.2 | 33.0 | 34.1 | 34.1 | 43 |
| 26.0 | 25.6 | 25.6 | 60.7 | 59.5 | 59.3 | 33.7 | 33.4 | 33.3 | 189.2 | 191.6 | 188.4 | 278.3 | 264.1 | 279.9 | 44 |
| 74.4 | 75.2 | 75.5 | 302.1 | 307.5 | 307.5 | 92.1 | 93.3 | 93.8 | 470.9 | 481.0 | 477.9 | 546.6 | 533.9 | 541.0 | 45 |
| 228.1 | 233.9 | 231.4 | 986.3 | 1,019.8 | 1,027.5 | 280.1 | 290.9 | 293.5 | 893.1 | 931.8 | 929.8 | 591.8 | 645.4 | 592.2 | 46 |
| 3.3 | 3.3 | 3.1 | 23.8 | 23.4 | 23.5 | 5.1 | 5.5 | 5.5 | 23.9 | 23.2 | 23.2 | 14.2 | 15.7 | 14.2 | 47 |
| 18.5 | 18.0 | 17.9 | 106.2 | 107.4 | 107.8 | 31.5 | 32.8 | 33.1 | 89.2 | 90.0 | 91.0 | 44.5 | 48.3 | 44.1 | 48 |
| 4.2 | 4.2 | 4.2 | 22.2 | 23.0 | 22.5 | 7.0 | 7.2 | 7.2 | 16.8 | 17.5 | 17.4 | 11.3 | 12.7 | 9.7 | 49 |
| 1.6 | 1.6 | 1.6 | 14.1 | 13.4 | 13.5 | 3.0 | 2.8 | 2.8 | 14.2 | 14.4 | 14.3 | 32.2 | 26.6 | 27.1 | 50 |
| 24.7 | 25.2 | 25.0 | 79.9 | 82.7 | 83.0 | 28.1 | 28.2 | 28.2 | 69.2 | 73.3 | 73.0 | 48.4 | 52.9 | 49.5 | 51 |
| 4.9 | 5.0 | 5.0 | 28.0 | 29.4 | 28.2 | 9.4 | 10.1 | 10.2 | 24.6 | 24.9 | 25.0 | 14.5 | 16.1 | 14.6 | 52 |
| 5.0 | 4.9 | 4.9 | 23.7 | 26.8 | 27.2 | 4.2 | 4.2 | 4.2 | 27.3 | 28.0 | 27.9 | 19.3 | 19.4 | 19.4 | 53 |
| 72.8 | 70.7 | 70.4 | 190.5 | 192.8 | 192.9 | 58.7 | 59.0 | 59.3 | 179.2 | 185.4 | 183.5 | 91.2 | 95.3 | 90.5 | 54 |
| 15.4 | 15.7 | 15.7 | 88.0 | 93.8 | 93.3 | 21.0 | 20.8 | 21.0 | 88.0 | 95.2 | 96.1 | 31.7 | 46.9 | 33.2 | 55 |
| 5.2 | 5.8 | 5.5 | 25.1 | 24.9 | 25.0 | 4.4 | 4.4 | 4.4 | 22.3 | 23.4 | 23.2 | 23.1 | 26.6 | 23.4 | 56 |
| 3.2 | 3.5 | 3.5 | 22.2 | 22.6 | 22.7 | 6.3 | 6.8 | 6.8 | 20.0 | 21.9 | 21.7 | 10.2 | 10.4 | 10.5 | 57 |
| 2.5 | 2.6 | 2.6 | 16.2 | 15.6 | 15.6 | 3.5 | 3.7 | 3.6 | 14.4 | 14.9 | 14.8 | 30.6 | 31.6 | 30.6 | 58 |
| 33.5 | 33.7 | 33.8 | 159.3 | 159.3 | 158.5 | 43.3 | 44.6 | 45.4 | 148.7 | 153.7 | 153.4 | 78.3 | 88.8 | 81.7 | 59 |
| 9.7 | 10.2 | 10.1 | 55.7 | 58.8 | 58.1 | 18.8 | 19.6 | 19.5 | 53.7 | 57.6 | 55.8 | 28.5 | 32.6 | 29.6 | 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 areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|---------------------------------------|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| 1 GEORGIA | 2,206.1 | 2,254.0 | 2,236.2 | 7.4 | 7.2 | 7.4 | 107.2 | 105.6 | 107.1 | 499.5 | 503.4 | 501.5 |
| 2 Albany | 42.8 | 43.3 | 43.4 | (1) | (1) | (1) | 1.7 | 1.7 | 1.8 | 11.2 | 11.4 | 11.5 |
| 3 Athens | 52.1 | 54.0 | 54.1 | - | - | - | 1.7 | 1.7 | 1.9 | 14.2 | 14.1 | 14.0 |
| 4 Atlanta | 1,011.0 | 1,031.0 | 1,027.8 | (1) | (1) | (1) | 47.1 | 44.4 | 46.8 | 142.1 | 139.8 | 139.1 |
| 5 Augusta | 122.8 | 122.7 | 122.0 | (1) | (1) | (1) | 5.9 | 5.4 | 5.1 | 33.6 | 33.5 | 33.5 |
| 6 Columbus | 80.8 | 80.3 | 80.8 | (1) | (1) | (1) | 3.6 | 3.7 | 3.7 | 19.8 | 20.1 | 20.4 |
| 7 Macon | 98.8 | 99.4 | 98.8 | (1) | (1) | (1) | 4.3 | 3.5 | 3.5 | 16.2 | 16.1 | 16.2 |
| 8 Savannah | 87.3 | 88.0 | 87.2 | (1) | (1) | (1) | 5.8 | 5.0 | 4.8 | 16.7 | 15.9 | 15.8 |
| 9 HAWAII | 405.1 | 399.7 | 401.6 | - | - | - | 18.1 | 16.7 | 16.6 | 24.9 | 22.7 | 23.4 |
| 10 Honolulu | 330.5 | 326.5 | 328.3 | - | - | - | 14.6 | 13.5 | 13.6 | 18.7 | 16.7 | 17.3 |
| 11 IDAHO | 312.9 | 319.4 | 315.3 | 2.9 | 3.9 | 4.1 | 17.0 | 14.3 | 15.4 | 49.3 | 51.5 | 49.3 |
| 12 Boise City | 75.4 | 78.6 | 78.6 | (1) | (1) | (1) | 5.0 | 4.9 | 5.2 | 9.1 | 9.2 | 9.1 |
| 13 ILLINOIS | 4,604.8 | 4,529.9 | 4,537.9 | 28.1 | 26.5 | 26.7 | 170.0 | 154.8 | 159.8 | 1,017.3 | 973.1 | 969.6 |
| 14 Bloomington—Normal | 46.9 | 48.5 | 47.7 | (2) | (2) | (2) | 1.4 | 1.3 | 1.4 | 5.5 | 5.5 | 5.3 |
| 15 Champaign—Urbana—Rantoul | 72.2 | 70.5 | 70.9 | (2) | (2) | (2) | 1.8 | 1.8 | 1.9 | 6.9 | 6.8 | 6.8 |
| 16 Chicago—Gary | 3,336.9 | 3,294.4 | 3,297.9 | 2.9 | 3.3 | 3.2 | 122.5 | 121.3 | 124.4 | 767.0 | 732.5 | 727.1 |
| 17 Chicago SMSA | 3,106.6 | 3,070.2 | 3,073.2 | 2.8 | 3.2 | 3.1 | 110.6 | 109.3 | 112.4 | 690.4 | 661.6 | 656.1 |
| 18 Davenport—Rock Island—Moline | 154.2 | 146.6 | 146.9 | (2) | (2) | (2) | 6.7 | 5.9 | 6.2 | 43.7 | 37.6 | 37.8 |
| 19 Decatur | 53.2 | 51.1 | 51.9 | (2) | (2) | (2) | 2.3 | 2.1 | 2.2 | 18.2 | 17.4 | 17.9 |
| 20 Kankakee | 33.4 | 31.5 | 31.4 | (2) | (2) | (2) | 1.7 | 1.2 | 1.3 | 7.3 | 6.3 | 6.2 |
| 21 Peoria | 138.0 | 130.3 | 130.7 | (2) | (2) | (2) | 8.2 | 6.5 | 6.8 | 38.8 | 35.0 | 35.0 |
| 22 Rockford | 106.5 | 106.8 | 106.3 | (2) | (2) | (2) | 3.4 | 2.9 | 2.9 | 39.9 | 41.0 | 41.3 |
| 23 Springfield | 88.5 | 85.8 | 86.5 | (2) | (2) | (2) | 3.8 | 3.0 | 3.4 | 6.1 | 5.3 | 5.3 |
| 24 INDIANA | 1,997.8 | 1,991.0 | 1,991.7 | 10.9 | 9.7 | 9.7 | 82.3 | 73.8 | 77.3 | 583.6 | 566.1 | 567.0 |
| 25 Anderson | 43.1 | 43.8 | 44.2 | (1) | (1) | (1) | 1.0 | 1.1 | 1.2 | 17.5 | 17.2 | 17.5 |
| 26 Elkhart | 68.2 | 76.8 | 76.6 | (1) | (1) | (1) | 1.7 | 1.9 | 2.0 | 34.7 | 40.9 | 40.9 |
| 27 Evansville | 123.8 | 119.3 | 121.6 | 2.9 | 2.7 | 2.8 | 6.1 | 6.1 | 6.2 | 34.2 | 29.3 | 30.5 |
| 28 Fort Wayne | 161.1 | 157.8 | (*) | (1) | (1) | (*) | 6.2 | 5.6 | (*) | 48.0 | 46.0 | (*) |
| 29 Gary—Hammond—East Chicago | 230.3 | 224.2 | 224.7 | (1) | (1) | (1) | 11.9 | 12.0 | 12.0 | 76.6 | 70.9 | 71.0 |
| 30 Indianapolis | 507.1 | 505.8 | (*) | (1) | (1) | (*) | 21.4 | 20.3 | (*) | 111.0 | 107.1 | (*) |
| 31 Lafayette—West Lafayette | 52.7 | 52.8 | 53.1 | (1) | (1) | (1) | 2.0 | 1.7 | 1.8 | 10.5 | 10.5 | 10.7 |
| 32 Muncie | 43.8 | 43.1 | 43.6 | (1) | (1) | (1) | 1.4 | 1.2 | 1.3 | 10.6 | 10.3 | 10.4 |
| 33 South Bend | 104.0 | 106.5 | 104.7 | (1) | (1) | (1) | 3.9 | 4.2 | 4.5 | 27.5 | 27.0 | 26.5 |
| 34 Terre Haute | 58.6 | 57.0 | 57.1 | 1.4 | 1.2 | 1.2 | 2.7 | 3.1 | 3.2 | 14.5 | 12.7 | 12.7 |
| 35 IOWA | 1,014.9 | 1,012.6 | 999.3 | 2.0 | 1.9 | 2.0 | 39.4 | 32.0 | 33.5 | 204.6 | 197.5 | 197.1 |
| 36 Cedar Rapids | 74.7 | 72.1 | 71.5 | (1) | (1) | (1) | 2.4 | 2.0 | 2.0 | 22.5 | 19.9 | 20.9 |
| 37 Des Moines | 169.6 | 167.0 | 165.9 | (1) | (1) | (1) | 5.7 | 4.0 | 4.8 | 20.5 | 19.4 | 19.3 |
| 38 Dubuque | 37.2 | 37.4 | 37.2 | (1) | (1) | (1) | 1.3 | 1.1 | 1.1 | 10.6 | 11.0 | 11.0 |
| 39 Sioux City | 44.1 | 45.9 | 45.3 | (1) | (1) | (1) | 2.0 | 1.4 | 1.6 | 6.6 | 8.3 | 8.2 |
| 40 Waterloo—Cedar Falls | 58.6 | 54.8 | 54.8 | (1) | (1) | (1) | 1.7 | 1.4 | 1.5 | 19.4 | 16.8 | 16.8 |
| 41 KANSAS | 904.5 | 912.8 | 902.1 | 18.0 | 17.4 | 17.7 | 39.5 | 36.3 | 36.8 | 163.8 | 161.0 | 161.9 |
| 42 Lawrence | 24.7 | 24.9 | 24.8 | (2) | (2) | (2) | .8 | .7 | .7 | 4.3 | 4.0 | 4.1 |
| 43 Topeka | 83.0 | 83.6 | 82.8 | (2) | (2) | (2) | 3.5 | 2.8 | 3.0 | 9.2 | 9.0 | 9.0 |
| 44 Wichita | 190.7 | 192.0 | 191.9 | 3.7 | 3.4 | 3.4 | 8.7 | 7.6 | 7.7 | 51.1 | 50.8 | 51.5 |
| 45 KENTUCKY | 1,139.9 | 1,173.3 | 1,149.8 | 54.6 | 52.0 | 52.0 | 53.1 | 53.1 | 52.4 | 246.6 | 248.0 | 245.3 |
| 46 Lexington—Fayette | 139.4 | 140.7 | 138.8 | (1) | (1) | (1) | 6.5 | 5.8 | 5.6 | 26.1 | 26.0 | 26.0 |
| 47 Louisville | 370.3 | 367.2 | 369.2 | (1) | (1) | (1) | 17.3 | 16.5 | 17.5 | 86.0 | 84.8 | 84.2 |
| 48 Owensboro | 30.2 | 29.9 | 29.5 | 1.1 | 1.1 | 1.1 | 1.7 | 1.7 | 1.7 | 5.9 | 5.8 | 5.4 |
| 49 LOUISIANA | 1,607.6 | 1,585.0 | 1,583.5 | 97.7 | 92.3 | 92.6 | 125.2 | 114.3 | 114.6 | 202.7 | 191.4 | 192.6 |
| 50 Alexandria | 53.2 | 54.0 | 53.8 | (1) | (1) | (1) | 3.6 | 3.6 | 3.7 | 5.4 | 5.2 | 5.3 |
| 51 Baton Rouge | 203.7 | 205.4 | 205.6 | 1.5 | 1.5 | 1.5 | 22.2 | 21.3 | 21.6 | 25.6 | 24.2 | 24.3 |
| 52 Lafayette | 98.7 | 97.2 | 95.6 | 19.7 | 18.0 | 16.9 | 6.7 | 6.3 | 6.4 | 5.1 | 5.2 | 5.1 |
| 53 Lake Charles | 63.5 | 60.8 | 60.8 | 2.6 | 2.3 | 2.2 | 6.4 | 4.5 | 4.4 | 10.7 | 9.8 | 9.7 |
| 54 Monroe | 50.4 | 51.7 | 52.0 | .7 | .6 | .6 | 3.5 | 3.6 | 3.6 | 7.1 | 7.4 | 7.4 |
| 55 New Orleans | 516.6 | 504.9 | 505.9 | 21.3 | 20.9 | 20.9 | 32.0 | 30.5 | 31.0 | 47.1 | 44.3 | 44.3 |
| 56 Shreveport | 146.8 | 147.8 | 146.3 | 7.2 | 7.2 | 6.9 | 8.9 | 7.4 | 7.6 | 25.6 | 23.2 | 24.1 |
| 57 MAINE | 415.7 | 418.5 | 418.0 | (1) | (1) | (1) | 19.0 | 18.2 | 18.7 | 101.9 | 107.3 | 98.6 |
| 58 Lewiston—Auburn | 31.9 | 34.0 | 32.1 | (1) | (1) | (1) | 1.4 | 1.3 | 1.4 | 9.4 | 11.3 | 9.6 |
| 59 Portland | 93.8 | 98.3 | 97.4 | (1) | (1) | (1) | 4.5 | 4.5 | 4.5 | 16.1 | 16.0 | 15.6 |
| 60 MARYLAND | 1,681.9 | 1,688.1 | 1,685.7 | (1) | (1) | (1) | 91.3 | 88.7 | 90.4 | 209.6 | 208.3 | 206.8 |
| 61 Baltimore SMSA | 933.2 | 931.1 | 933.3 | (1) | (1) | (1) | 42.9 | 40.2 | 41.0 | 138.1 | 137.9 | 136.6 |
| 62 Baltimore City | 436.5 | 430.7 | 434.8 | (1) | (1) | (1) | 14.6 | 12.9 | 13.0 | 55.2 | 55.4 | 54.2 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 147.4 | 146.4 | 147.4 | 524.1 | 536.5 | 537.1 | 117.7 | 120.1 | 120.8 | 376.6 | 393.6 | 394.5 | 426.1 | 441.2 | 420.4 | 1 |
| 2.3 | 2.2 | 2.3 | 9.1 | 9.3 | 9.4 | 2.1 | 2.2 | 2.3 | 6.0 | 6.0 | 5.8 | 10.4 | 10.4 | 10.3 | 2 |
| 1.6 | 1.5 | 1.5 | 10.0 | 10.6 | 10.5 | 1.7 | 1.6 | 1.6 | 6.9 | 7.0 | 7.1 | 16.1 | 17.4 | 17.4 | 3 |
| 93.3 | 92.8 | 92.9 | 281.9 | 289.2 | 290.7 | 71.0 | 71.7 | 72.3 | 218.0 | 225.8 | 225.4 | 157.5 | 167.4 | 160.5 | 4 |
| 4.3 | 4.2 | 4.2 | 24.2 | 24.6 | 24.6 | 4.7 | 4.6 | 4.6 | 19.2 | 19.9 | 19.9 | 30.9 | 30.5 | 30.1 | 5 |
| 3.3 | 3.1 | 3.1 | 16.7 | 17.0 | 16.8 | 5.4 | 5.4 | 5.5 | 11.5 | 11.1 | 11.0 | 20.5 | 19.9 | 20.3 | 6 |
| 4.7 | 4.5 | 4.5 | 21.0 | 21.2 | 21.4 | 6.0 | 6.1 | 6.2 | 17.7 | 17.8 | 17.8 | 28.8 | 30.2 | 29.2 | 7 |
| 8.1 | 8.8 | 9.1 | 21.1 | 21.2 | 21.3 | 4.2 | 4.1 | 4.2 | 16.3 | 16.8 | 16.6 | 15.2 | 16.2 | 15.3 | 8 |
| 31.8 | 30.7 | 30.4 | 107.0 | 106.7 | 107.5 | 31.8 | 31.8 | 31.8 | 100.9 | 100.5 | 100.7 | 90.6 | 90.6 | 91.2 | 9 |
| 26.5 | 25.4 | 25.2 | 88.0 | 87.6 | 88.2 | 27.4 | 27.5 | 27.5 | 78.9 | 78.9 | 79.2 | 76.4 | 76.9 | 77.3 | 10 |
| 19.6 | 19.1 | 19.1 | 78.8 | 78.8 | 78.9 | 23.1 | 23.2 | 23.3 | 58.4 | 59.8 | 60.6 | 63.8 | 68.8 | 64.6 | 11 |
| 4.8 | 5.4 | 5.2 | 19.4 | 20.5 | 20.6 | 7.6 | 7.8 | 7.9 | 14.1 | 15.4 | 15.6 | 15.4 | 15.4 | 15.0 | 12 |
| 273.4 | 268.9 | 267.0 | 1,074.8 | 1,072.8 | 1,069.1 | 332.4 | 329.3 | 329.6 | 990.9 | 989.3 | 996.0 | 717.9 | 715.2 | 720.1 | 13 |
| 3.5 | 3.3 | 3.3 | 11.7 | 11.5 | 11.6 | 8.1 | 8.3 | 8.3 | 8.8 | 8.8 | 8.8 | 7.9 | 9.8 | 9.0 | 14 |
| 2.5 | 2.4 | 2.4 | 19.4 | 19.0 | 19.0 | 2.4 | 2.4 | 2.4 | 12.4 | 11.9 | 12.1 | 26.8 | 26.2 | 26.3 | 15 |
| 196.2 | 195.8 | 194.9 | 793.4 | 797.4 | 792.4 | 255.8 | 252.2 | 252.5 | 763.0 | 762.9 | 766.7 | 436.1 | 429.1 | 436.8 | 16 |
| 182.2 | 182.7 | 181.8 | 745.8 | 748.9 | 743.8 | 246.8 | 243.3 | 243.7 | 724.2 | 724.0 | 727.8 | 403.8 | 397.2 | 404.5 | 17 |
| 6.6 | 6.6 | 6.7 | 38.4 | 38.6 | 38.4 | 7.2 | 7.2 | 7.3 | 25.6 | 24.6 | 24.4 | 26.0 | 26.1 | 26.1 | 18 |
| 4.8 | 4.7 | 4.7 | 11.0 | 10.8 | 10.9 | 2.7 | 2.6 | 2.6 | 9.1 | 8.6 | 8.7 | 5.1 | 4.9 | 4.9 | 19 |
| 1.4 | 1.3 | 1.3 | 6.8 | 6.6 | 6.6 | 1.5 | 1.5 | 1.5 | 6.7 | 6.5 | 6.3 | 8.0 | 8.1 | 8.2 | 20 |
| 7.5 | 7.3 | 7.3 | 32.9 | 32.1 | 31.8 | 6.7 | 6.8 | 6.8 | 27.4 | 26.2 | 26.6 | 16.5 | 16.4 | 16.4 | 21 |
| 4.4 | 4.2 | 4.2 | 23.0 | 22.8 | 22.8 | 4.8 | 4.7 | 4.7 | 19.2 | 18.6 | 18.6 | 11.8 | 12.6 | 11.8 | 22 |
| 4.4 | 4.2 | 4.3 | 18.9 | 18.7 | 18.8 | 6.5 | 6.4 | 6.4 | 18.5 | 18.5 | 18.5 | 30.3 | 29.7 | 29.8 | 23 |
| 104.8 | 101.5 | 101.3 | 453.3 | 448.8 | 448.1 | 103.3 | 106.1 | 106.3 | 355.1 | 367.4 | 366.0 | 304.6 | 317.5 | 315.9 | 24 |
| 1.2 | 1.2 | 1.2 | 9.0 | 9.5 | 9.5 | 1.5 | 1.6 | 1.6 | 7.5 | 7.7 | 7.8 | 5.4 | 5.5 | 5.4 | 25 |
| 2.5 | 2.5 | 2.5 | 13.3 | 14.3 | 14.4 | 2.0 | 2.1 | 2.1 | 9.3 | 9.9 | 9.8 | 4.7 | 5.2 | 4.9 | 26 |
| 7.0 | 6.7 | 6.7 | 30.3 | 31.3 | 31.6 | 4.6 | 4.6 | 4.6 | 26.9 | 26.3 | 26.8 | 11.8 | 12.3 | 12.4 | 27 |
| 10.6 | 10.1 | (*) | 39.4 | 39.1 | (*) | 10.5 | 10.5 | (*) | 29.2 | 29.3 | (*) | 17.2 | 17.2 | (*) | 28 |
| 14.0 | 13.1 | 13.1 | 47.6 | 48.5 | 48.6 | 9.0 | 8.9 | 8.8 | 38.9 | 38.9 | 38.9 | 32.3 | 31.9 | 32.3 | 29 |
| 30.6 | 30.7 | (*) | 128.2 | 127.9 | (*) | 39.1 | 39.1 | (*) | 97.8 | 100.8 | (*) | 79.0 | 79.9 | (*) | 30 |
| 1.7 | 1.6 | 1.6 | 10.8 | 11.1 | 11.2 | 2.6 | 2.6 | 2.6 | 9.3 | 9.4 | 9.4 | 15.8 | 15.9 | 15.8 | 31 |
| 1.9 | 1.9 | 1.9 | 11.3 | 11.2 | 11.1 | 1.5 | 1.5 | 1.5 | 8.8 | 8.9 | 9.0 | 8.3 | 8.1 | 8.4 | 32 |
| 4.8 | 4.6 | 4.6 | 25.8 | 26.0 | 26.8 | 5.1 | 5.2 | 5.2 | 25.0 | 26.3 | 25.4 | 11.9 | 12.4 | 11.7 | 33 |
| 3.5 | 3.2 | 3.2 | 14.5 | 14.1 | 14.2 | 2.0 | 1.9 | 1.9 | 9.7 | 10.1 | 10.1 | 10.3 | 10.7 | 10.6 | 34 |
| 52.4 | 50.7 | 50.5 | 263.7 | 261.4 | 261.1 | 59.6 | 59.7 | 60.2 | 204.5 | 206.6 | 204.7 | 188.7 | 202.8 | 190.0 | 35 |
| 3.9 | 3.8 | 3.8 | 18.0 | 17.2 | 17.1 | 4.3 | 4.2 | 4.2 | 15.3 | 15.7 | 15.3 | 8.3 | 9.3 | 8.2 | 36 |
| 11.2 | 11.1 | 11.2 | 43.3 | 42.2 | 42.1 | 22.1 | 21.9 | 22.2 | 40.6 | 40.5 | 39.9 | 26.2 | 27.9 | 26.2 | 37 |
| 1.6 | 1.6 | 1.6 | 8.6 | 8.4 | 8.4 | 1.3 | 1.3 | 1.3 | 10.3 | 10.5 | 10.5 | 3.5 | 3.7 | 3.3 | 38 |
| 3.7 | 3.5 | 3.5 | 11.9 | 11.7 | 11.7 | 2.7 | 2.7 | 2.7 | 11.5 | 12.1 | 11.9 | 5.8 | 6.2 | 5.7 | 39 |
| 2.2 | 2.1 | 2.1 | 12.9 | 12.4 | 12.4 | 2.1 | 2.1 | 2.1 | 10.9 | 10.6 | 10.6 | 9.4 | 9.3 | 9.2 | 40 |
| 61.7 | 64.1 | 63.8 | 227.3 | 225.3 | 225.6 | 49.4 | 48.8 | 48.7 | 173.3 | 174.0 | 173.3 | 171.5 | 185.9 | 174.3 | 41 |
| 1.4 | 1.5 | 1.5 | 5.3 | 5.4 | 5.5 | .9 | .8 | .8 | 3.7 | 4.0 | 4.0 | 8.3 | 8.5 | 8.2 | 42 |
| 8.1 | 7.9 | 7.8 | 18.3 | 18.5 | 18.6 | 6.0 | 5.9 | 5.9 | 17.3 | 17.7 | 17.6 | 20.6 | 21.8 | 20.9 | 43 |
| 10.5 | 10.4 | 10.4 | 44.6 | 45.1 | 45.8 | 9.9 | 10.1 | 10.1 | 39.8 | 39.6 | 39.5 | 22.4 | 25.0 | 23.5 | 44 |
| 66.3 | 62.6 | 62.8 | 261.6 | 262.0 | 260.4 | 52.2 | 52.4 | 52.4 | 218.0 | 225.1 | 225.5 | 187.5 | 218.1 | 199.0 | 45 |
| 7.4 | 7.4 | 7.4 | 31.3 | 31.2 | 30.8 | 7.2 | 7.2 | 7.2 | 30.0 | 32.0 | 31.8 | 30.9 | 31.1 | 30.0 | 46 |
| 23.2 | 21.6 | 21.5 | 85.8 | 85.2 | 84.8 | 23.7 | 24.1 | 24.3 | 77.8 | 79.6 | 80.1 | 56.5 | 55.5 | 56.7 | 47 |
| 2.4 | 2.4 | 2.4 | 7.3 | 7.1 | 7.1 | 1.1 | 1.2 | 1.2 | 6.2 | 6.1 | 6.1 | 4.5 | 4.5 | 4.5 | 48 |
| 130.4 | 124.6 | 125.5 | 368.9 | 365.2 | 366.0 | 80.1 | 80.2 | 80.5 | 302.4 | 307.0 | 306.5 | 300.2 | 310.0 | 305.2 | 49 |
| 2.5 | 2.5 | 2.5 | 12.1 | 12.5 | 12.5 | 3.0 | 3.0 | 3.0 | 11.2 | 11.6 | 11.5 | 15.4 | 15.6 | 15.3 | 50 |
| 10.6 | 9.9 | 10.0 | 46.0 | 47.4 | 47.3 | 12.2 | 12.2 | 12.2 | 37.1 | 38.5 | 38.4 | 48.5 | 50.4 | 50.3 | 51 |
| 7.7 | 7.9 | 7.7 | 24.5 | 24.2 | 24.0 | 3.7 | 3.7 | 3.8 | 21.1 | 21.1 | 21.0 | 10.2 | 10.8 | 10.7 | 52 |
| 4.9 | 4.8 | 5.1 | 14.8 | 14.9 | 14.9 | 2.9 | 3.1 | 3.1 | 10.7 | 11.0 | 11.0 | 10.5 | 10.4 | 10.4 | 53 |
| 2.8 | 2.7 | 2.9 | 13.1 | 13.5 | 13.4 | 3.9 | 3.9 | 3.9 | 9.9 | 10.0 | 10.0 | 9.4 | 10.0 | 10.2 | 54 |
| 51.8 | 48.1 | 48.6 | 129.9 | 127.1 | 127.4 | 31.8 | 31.3 | 31.2 | 121.1 | 122.9 | 123.3 | 81.6 | 79.8 | 79.2 | 55 |
| 9.6 | 8.7 | 8.7 | 35.3 | 34.4 | 34.5 | 7.7 | 8.0 | 8.0 | 31.5 | 31.8 | 31.8 | 21.0 | 27.1 | 24.7 | 56 |
| 19.2 | 18.3 | 18.7 | 92.4 | 92.2 | 96.2 | 18.0 | 18.6 | 18.7 | 88.3 | 83.3 | 89.0 | 76.9 | 80.6 | 78.1 | 57 |
| 1.3 | 1.3 | 1.2 | 7.9 | 8.0 | 7.9 | 1.6 | 1.7 | 1.7 | 7.3 | 7.4 | 7.4 | 3.0 | 3.0 | 2.9 | 58 |
| 6.3 | 6.2 | 6.3 | 25.6 | 26.7 | 27.1 | 8.3 | 8.9 | 8.9 | 21.4 | 23.0 | 22.9 | 11.6 | 13.0 | 12.1 | 59 |
| 86.2 | 85.9 | 84.1 | 408.9 | 410.7 | 411.0 | 97.3 | 97.7 | 98.1 | 395.8 | 407.5 | 408.1 | 392.8 | 389.3 | 387.2 | 60 |
| 58.3 | 56.5 | 55.9 | 218.5 | 218.7 | 218.4 | 60.2 | 59.5 | 60.0 | 205.3 | 213.0 | 212.2 | 209.9 | 205.3 | 209.2 | 61 |
| 37.4 | 35.2 | 34.9 | 92.8 | 91.7 | 90.7 | 40.2 | 40.3 | 40.4 | 110.3 | 115.1 | 115.2 | 86.0 | 80.1 | 86.4 | 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 areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|---|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| 1 MASSACHUSETTS | 2,598.2 | 2,636.5 | 2,591.0 | (1) | (1) | (1) | 84.0 | 75.4 | 76.6 | 619.8 | 619.5 | 607.2 |
| 2 Boston | 1,449.8 | 1,481.0 | 1,462.6 | (1) | (1) | (1) | 46.7 | 44.6 | 45.1 | 286.4 | 285.4 | 282.4 |
| 3 Brockton | 55.6 | 57.1 | 55.1 | (1) | (1) | (1) | 1.7 | 1.6 | 1.6 | 11.1 | 11.2 | 10.7 |
| 4 Fall River | 48.7 | 51.5 | 50.0 | (1) | (1) | (1) | 1.8 | 1.8 | 2.1 | 14.6 | 18.7 | 18.0 |
| 5 Lawrence—Haverhill | 111.8 | 114.3 | 111.9 | (1) | (1) | (1) | 3.2 | 3.6 | 3.5 | 41.6 | 41.1 | 39.7 |
| 6 Lowell | 78.8 | 82.6 | 80.4 | (1) | (1) | (1) | 2.7 | 2.5 | 2.4 | 30.8 | 32.3 | 32.4 |
| 7 New Bedford | 61.7 | 65.3 | 63.0 | (1) | (1) | (1) | 1.6 | 1.6 | 1.6 | 22.2 | 24.7 | 22.8 |
| 8 Springfield—Chicopee—Holyoke | 223.1 | 225.1 | 221.5 | (1) | (1) | (1) | 6.1 | 6.0 | 5.8 | 56.7 | 55.5 | 54.9 |
| 9 Worcester | 157.4 | 158.8 | 153.7 | (1) | (1) | (1) | 5.1 | 5.0 | 5.0 | 43.6 | 40.8 | 40.1 |
| 10 MICHIGAN | 3,169.4 | 3,192.3 | 3,178.5 | 10.5 | 10.7 | 10.5 | 98.2 | 93.7 | 96.3 | 876.4 | 874.3 | 872.2 |
| 11 Ann Arbor | 128.5 | 128.4 | 128.3 | (1) | (1) | (1) | 1.9 | 1.7 | 1.9 | 34.6 | 33.1 | 33.1 |
| 12 Battle Creek | 58.7 | 61.3 | 61.2 | (1) | (1) | (1) | 1.6 | 2.0 | 2.1 | 16.7 | 18.7 | 18.6 |
| 13 Bay City | 32.4 | 32.7 | 32.1 | (1) | (1) | (1) | .8 | 1.0 | 1.1 | 8.5 | 8.5 | 8.3 |
| 14 Benton Harbor | 55.3 | 54.1 | 54.0 | (1) | (1) | (1) | 2.1 | 1.9 | 2.0 | 19.7 | 18.5 | 18.6 |
| 15 Detroit | 1,546.4 | 1,547.6 | 1,545.2 | 1.3 | .9 | 1.0 | 44.7 | 39.2 | 41.6 | 416.9 | 416.6 | 416.7 |
| 16 Flint | 173.6 | 179.6 | 180.3 | (1) | (1) | (1) | 3.1 | 3.8 | 4.3 | 63.8 | 66.5 | 66.0 |
| 17 Grand Rapids | 259.3 | 264.0 | 262.2 | (1) | (1) | (1) | 10.2 | 9.5 | 9.9 | 83.9 | 87.7 | 86.7 |
| 18 Jackson | 46.5 | 45.5 | 45.1 | (1) | (1) | (1) | 1.2 | 1.2 | 1.3 | 11.8 | 10.5 | 10.3 |
| 19 Kalamazoo—Portage | 103.2 | 102.8 | 101.2 | (1) | (1) | (1) | 3.3 | 3.1 | 3.2 | 31.3 | 30.9 | 30.8 |
| 20 Lansing—East Lansing | 175.1 | 190.2 | 184.2 | (1) | (1) | (1) | 3.8 | 3.6 | 3.7 | 36.6 | 39.6 | 39.8 |
| 21 Muskegon—Norton Shores—Muskegon Hts. | 57.1 | 56.0 | 57.0 | (1) | (1) | (1) | 2.1 | 2.0 | 2.1 | 18.6 | 18.5 | 18.8 |
| 22 Saginaw | 77.2 | 78.7 | 78.7 | (1) | (1) | (1) | 2.0 | 2.5 | 2.5 | 24.8 | 24.6 | 24.4 |
| 23 MINNESOTA | 1,699.4 | 1,720.8 | 1,699.8 | 7.7 | 9.8 | 10.4 | 67.7 | 66.0 | 69.3 | 348.0 | 337.7 | 340.7 |
| 24 Duluth—Superior | 53.6 | 53.3 | 52.4 | (1) | (1) | (1) | 1.7 | 1.3 | 1.4 | 5.2 | 4.7 | 4.6 |
| 25 Minneapolis—St. Paul | 1,058.8 | 1,075.2 | 1,057.4 | (1) | (1) | (1) | 39.4 | 37.1 | 39.2 | 234.6 | 230.9 | 229.4 |
| 26 Rochester | 51.9 | 52.5 | 52.4 | (2) | (2) | (2) | 1.9 | 1.8 | 1.8 | 10.5 | 10.2 | 10.6 |
| 27 St. Cloud | 52.4 | 54.5 | 52.4 | (1) | (1) | (1) | 3.0 | 2.9 | 3.1 | 10.2 | 10.2 | 10.2 |
| 28 MISSISSIPPI | 787.9 | 790.3 | 783.0 | 12.1 | 10.9 | 11.0 | 41.5 | 41.4 | 39.6 | 203.9 | 202.6 | 202.9 |
| 29 Jackson | 143.1 | 145.5 | 143.9 | 2.2 | 2.0 | 2.0 | 6.1 | 6.7 | 6.9 | 16.2 | 16.0 | 15.9 |
| 30 MISSOURI | 1,913.7 | 1,926.8 | 1,905.2 | 7.3 | 7.0 | 7.1 | 81.1 | 78.4 | 81.0 | 405.6 | 403.9 | 393.9 |
| 31 Kansas City | 606.3 | 604.6 | 597.7 | .5 | .5 | .5 | 20.6 | 21.5 | 22.2 | 112.5 | 109.2 | 106.0 |
| 32 St. Joseph | 36.8 | 37.1 | 36.6 | (2) | (2) | (2) | 1.6 | 1.2 | 1.3 | 9.1 | 9.5 | 9.5 |
| 33 St. Louis | 983.0 | 982.1 | 976.1 | 3.1 | 2.9 | 3.0 | 46.0 | 44.8 | 46.7 | 218.0 | 214.2 | 210.5 |
| 34 Springfield | 86.2 | 87.9 | 88.5 | (2) | (2) | (2) | 3.6 | 3.9 | 4.1 | 17.9 | 18.0 | 18.0 |
| 35 MONTANA | 272.2 | 273.7 | 266.6 | 9.4 | 7.9 | 7.6 | 14.0 | 11.9 | 12.8 | 20.8 | 20.7 | 21.1 |
| 36 NEBRASKA | 601.4 | 596.3 | 592.3 | 2.0 | 1.7 | 1.9 | 23.6 | 21.1 | 21.7 | 85.2 | 81.7 | 82.0 |
| 37 Lincoln | 93.4 | 91.8 | 91.5 | (2) | (2) | (2) | 3.0 | 2.7 | 2.9 | 12.2 | 11.3 | 11.2 |
| 38 Omaha | 258.4 | 257.2 | 256.1 | (2) | (2) | (2) | 9.5 | 8.4 | 8.5 | 32.0 | 32.1 | 32.3 |
| 39 NEVADA | 405.9 | 417.2 | 417.1 | 6.7 | 6.3 | 6.3 | 21.8 | 22.5 | 23.0 | 18.7 | 18.8 | 18.7 |
| 40 Las Vegas | 224.2 | 235.1 | 233.7 | .4 | .4 | .4 | 12.7 | 13.0 | 13.2 | 6.5 | 6.9 | 7.0 |
| 41 Reno | 114.1 | 115.7 | 116.2 | .7 | .7 | .7 | 5.7 | 5.9 | 6.1 | 7.8 | 7.7 | 7.7 |
| 42 NEW HAMPSHIRE | 399.4 | 401.3 | 400.7 | (2) | (2) | (2) | 25.4 | 25.0 | 25.7 | 110.1 | 113.4 | 110.6 |
| 43 Manchester | 74.0 | 77.8 | 76.6 | (2) | (2) | (2) | 3.3 | 3.1 | 3.2 | 15.9 | 17.2 | 16.6 |
| 44 Nashua | 68.1 | 71.4 | 70.6 | (2) | (2) | (2) | 3.1 | 3.1 | 3.2 | 31.7 | 33.4 | 33.2 |
| 45 NEW JERSEY | 3,126.4 | 3,132.8 | 3,134.3 | 2.2 | 2.3 | 2.3 | 115.5 | 108.3 | 112.1 | 718.8 | 708.8 | 703.8 |
| 46 Atlantic City | 107.7 | 107.8 | 111.0 | - | - | - | 4.1 | 4.3 | 4.3 | 7.1 | 7.2 | 6.9 |
| 47 Camden ^a | 346.4 | 350.3 | 349.9 | .1 | .1 | .1 | 13.0 | 13.1 | 13.3 | 67.7 | 68.8 | 68.3 |
| 48 Hackensack ^a | 403.5 | 403.9 | 399.4 | (1) | (1) | (1) | 14.7 | 13.2 | 13.5 | 103.9 | 100.0 | 98.8 |
| 49 Jersey City ^a | 216.4 | 212.0 | 213.8 | - | - | - | 4.5 | 3.6 | 3.7 | 59.7 | 58.5 | 57.8 |
| 50 Long Branch—Asbury Park | 176.1 | 174.7 | 176.7 | (1) | (1) | (1) | 6.9 | 7.2 | 7.5 | 24.0 | 23.2 | 22.9 |
| 51 New Bruns.—Perth Amboy—Sayreville ^a | 294.5 | 290.1 | 291.5 | (1) | (1) | (1) | 10.1 | 9.1 | 9.4 | 82.7 | 77.2 | 76.8 |
| 52 Newark ^a | 943.5 | 943.0 | 946.1 | .8 | .8 | .8 | 33.0 | 30.2 | 30.2 | 226.7 | 225.3 | 225.8 |
| 53 Paterson—Clifton—Passaic ^a | 186.7 | 190.8 | 191.1 | (1) | (1) | (1) | 7.4 | 7.3 | 7.7 | 62.3 | 63.6 | 62.9 |
| 54 Trenton | 161.6 | 162.6 | 162.4 | (1) | (1) | (1) | 3.3 | 3.1 | 3.2 | 31.7 | 30.0 | 30.2 |
| 55 Vineland—Millville—Bridgeton | 52.0 | 49.3 | 48.8 | (1) | (1) | (1) | 1.6 | 1.3 | 1.3 | 16.3 | 13.6 | 13.3 |
| 56 NEW MEXICO | 471.7 | 481.9 | 481.2 | 25.6 | 20.4 | 20.3 | 33.0 | 37.5 | 37.5 | 33.8 | 33.7 | 33.2 |
| 57 Albuquerque | 189.3 | 194.7 | 196.3 | (1) | (1) | (1) | 12.1 | 12.8 | 12.9 | 17.9 | 18.2 | 18.0 |
| 58 Las Cruces | 29.7 | 32.1 | 31.4 | (1) | (1) | (1) | 1.6 | 2.3 | 2.3 | 2.9 | 2.8 | 2.8 |
| 59 NEW YORK | 7,251.6 | 7,264.5 | 7,201.1 | 6.7 | 6.7 | 6.8 | 225.2 | 225.4 | 228.9 | 1,357.9 | 1,315.7 | 1,298.2 |
| 60 Albany—Schenectady—Troy | 333.5 | 333.6 | 329.5 | (1) | (1) | (1) | 11.4 | 10.8 | 11.3 | 52.0 | 51.0 | 50.5 |
| 61 Binghamton | 116.0 | 117.0 | 114.3 | (1) | (1) | (1) | 4.1 | 3.8 | 4.1 | 43.5 | 42.0 | 41.9 |
| 62 Buffalo | 473.6 | 461.3 | 455.4 | (1) | (1) | (1) | 17.4 | 15.8 | 16.3 | 113.6 | 103.1 | 101.8 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 116.8 | 119.5 | 115.2 | 572.2 | 581.1 | 577.6 | 173.0 | 175.1 | 176.3 | 678.2 | 696.5 | 694.2 | 354.2 | 369.4 | 343.9 | 1 |
| 69.5 | 70.0 | 69.9 | 311.5 | 322.4 | 318.4 | 119.4 | 122.3 | 124.5 | 436.9 | 450.4 | 446.1 | 179.4 | 185.9 | 176.2 | 2 |
| 3.5 | 3.8 | 3.6 | 15.4 | 15.7 | 15.5 | 2.3 | 2.3 | 2.3 | 10.6 | 10.9 | 10.6 | 11.0 | 11.6 | 10.8 | 3 |
| 1.7 | 1.6 | 1.7 | 11.5 | 11.0 | 11.1 | 3.1 | 2.6 | 2.6 | 9.7 | 8.9 | 8.7 | 6.3 | 6.9 | 5.8 | 4 |
| 4.6 | 4.8 | 4.6 | 21.9 | 23.2 | 22.8 | 4.4 | 4.7 | 4.6 | 20.6 | 20.3 | 21.7 | 15.5 | 16.6 | 15.0 | 5 |
| 2.9 | 3.4 | 2.9 | 16.2 | 16.5 | 16.3 | 2.3 | 2.2 | 2.3 | 13.2 | 13.8 | 13.2 | 10.7 | 11.9 | 10.9 | 6 |
| 2.3 | 2.2 | 2.3 | 12.4 | 12.5 | 12.3 | 2.1 | 2.2 | 2.2 | 11.1 | 11.5 | 11.6 | 10.0 | 10.6 | 10.2 | 7 |
| 8.6 | 8.6 | 8.2 | 47.5 | 46.8 | 46.1 | 13.9 | 13.8 | 13.8 | 47.7 | 48.7 | 48.2 | 42.6 | 45.7 | 44.5 | 8 |
| 7.1 | 7.2 | 7.1 | 34.0 | 33.4 | 32.6 | 10.8 | 10.6 | 10.7 | 35.5 | 39.2 | 37.2 | 21.3 | 22.6 | 21.0 | 9 |
| 142.7 | 138.6 | 137.6 | 688.0 | 688.0 | 683.5 | 153.5 | 152.2 | 152.6 | 656.8 | 659.8 | 661.0 | 543.1 | 575.0 | 564.7 | 10 |
| 3.2 | 3.1 | 3.2 | 19.8 | 19.9 | 20.0 | 3.8 | 4.1 | 4.2 | 25.7 | 25.5 | 25.5 | 39.5 | 41.0 | 40.5 | 11 |
| 2.2 | 2.2 | 2.2 | 10.0 | 10.2 | 10.4 | 4.1 | 4.1 | 4.1 | 12.1 | 12.1 | 12.2 | 12.0 | 12.1 | 11.7 | 12 |
| 1.6 | 1.6 | 1.6 | 8.6 | 8.9 | 8.9 | 1.3 | 1.2 | 1.2 | 6.8 | 6.7 | 6.6 | 4.8 | 4.7 | 4.5 | 13 |
| 2.0 | 2.0 | 2.0 | 10.9 | 10.6 | 10.7 | 1.9 | 1.9 | 1.9 | 11.9 | 11.6 | 11.7 | 6.7 | 7.6 | 7.2 | 14 |
| 74.5 | 71.4 | 70.9 | 349.1 | 344.5 | 342.5 | 89.1 | 88.4 | 88.9 | 352.7 | 359.4 | 359.7 | 218.1 | 227.2 | 224.0 | 15 |
| 6.3 | 6.0 | 5.9 | 38.9 | 39.1 | 39.4 | 6.3 | 6.3 | 6.3 | 29.0 | 30.4 | 30.3 | 26.2 | 27.6 | 28.1 | 16 |
| 11.2 | 11.3 | 11.3 | 64.3 | 64.7 | 64.3 | 10.9 | 10.8 | 10.9 | 49.8 | 50.6 | 50.2 | 29.1 | 29.4 | 29.0 | 17 |
| 5.0 | 5.1 | 5.0 | 9.8 | 9.5 | 9.5 | 1.6 | 1.6 | 1.6 | 9.4 | 9.6 | 9.6 | 7.6 | 8.0 | 7.8 | 18 |
| 4.0 | 3.8 | 3.6 | 21.9 | 21.7 | 21.6 | 4.0 | 4.0 | 4.0 | 22.1 | 21.2 | 21.3 | 16.6 | 18.0 | 16.8 | 19 |
| 5.2 | 5.2 | 4.9 | 34.2 | 35.7 | 35.3 | 9.3 | 9.6 | 9.6 | 29.4 | 32.1 | 32.1 | 56.6 | 64.4 | 58.8 | 20 |
| 2.9 | 2.9 | 2.9 | 11.2 | 11.2 | 11.3 | 1.5 | 1.5 | 1.5 | 11.4 | 11.1 | 11.3 | 9.4 | 8.8 | 9.1 | 21 |
| 4.6 | 4.4 | 4.5 | 17.2 | 17.6 | 17.4 | 3.9 | 3.7 | 3.7 | 14.5 | 14.7 | 14.7 | 10.2 | 11.2 | 11.4 | 22 |
| 93.2 | 93.3 | 91.4 | 434.2 | 436.9 | 435.5 | 99.1 | 98.9 | 98.9 | 383.2 | 390.1 | 390.8 | 266.2 | 288.0 | 262.8 | 23 |
| 5.6 | 5.1 | 5.3 | 14.6 | 14.4 | 14.5 | 2.1 | 2.0 | 2.0 | 14.0 | 13.9 | 14.0 | 10.4 | 11.9 | 10.6 | 24 |
| 59.7 | 58.9 | 57.4 | 262.2 | 265.2 | 262.8 | 73.8 | 73.6 | 73.8 | 247.0 | 253.5 | 252.6 | 142.1 | 156.1 | 142.1 | 25 |
| 1.9 | 1.9 | 1.9 | 10.3 | 10.1 | 10.0 | 1.5 | 1.5 | 1.5 | 21.0 | 21.3 | 21.3 | 4.9 | 5.8 | 5.3 | 26 |
| 3.3 | 3.2 | 3.3 | 15.2 | 15.5 | 15.3 | 2.0 | 2.1 | 2.0 | 10.4 | 10.4 | 10.5 | 8.2 | 10.2 | 8.1 | 27 |
| 39.8 | 38.7 | 38.6 | 163.5 | 162.4 | 163.0 | 33.2 | 33.2 | 33.3 | 122.2 | 124.4 | 122.7 | 171.7 | 176.7 | 171.9 | 28 |
| 10.2 | 10.0 | 9.9 | 34.9 | 34.6 | 34.7 | 11.5 | 11.4 | 11.4 | 29.9 | 30.3 | 30.1 | 32.0 | 34.4 | 33.0 | 29 |
| 131.3 | 127.4 | 126.9 | 461.6 | 460.0 | 459.0 | 109.9 | 108.6 | 108.5 | 410.0 | 418.9 | 418.5 | 306.9 | 322.6 | 310.3 | 30 |
| 49.5 | 48.0 | 47.8 | 155.5 | 156.3 | 156.1 | 44.3 | 44.6 | 44.6 | 137.5 | 134.7 | 134.8 | 85.9 | 89.8 | 85.7 | 31 |
| 2.2 | 1.9 | 1.9 | 8.8 | 9.0 | 9.0 | 2.1 | 2.1 | 2.1 | 7.5 | 7.4 | 7.3 | 5.6 | 6.0 | 5.5 | 32 |
| 70.0 | 68.9 | 68.3 | 229.1 | 228.8 | 228.4 | 59.0 | 58.9 | 59.0 | 226.9 | 230.1 | 230.0 | 130.9 | 133.5 | 130.2 | 33 |
| 6.9 | 7.0 | 7.1 | 23.9 | 24.4 | 24.6 | 3.7 | 3.7 | 3.7 | 19.5 | 20.5 | 20.6 | 10.7 | 10.4 | 10.4 | 34 |
| 22.3 | 20.5 | 20.0 | 72.8 | 72.0 | 72.8 | 13.2 | 12.9 | 13.0 | 57.3 | 54.9 | 55.6 | 62.3 | 72.8 | 63.7 | 35 |
| 44.7 | 42.5 | 42.7 | 156.7 | 155.1 | 154.7 | 41.8 | 41.8 | 41.9 | 123.4 | 123.7 | 122.9 | 124.1 | 128.8 | 124.7 | 36 |
| 7.0 | 6.5 | 6.6 | 20.6 | 20.0 | 19.9 | 7.1 | 7.1 | 7.2 | 17.3 | 18.4 | 18.2 | 26.0 | 25.7 | 25.6 | 37 |
| 23.1 | 22.3 | 22.4 | 67.1 | 66.4 | 66.2 | 24.0 | 24.2 | 24.2 | 63.3 | 63.7 | 63.7 | 39.4 | 40.1 | 38.7 | 38 |
| 25.0 | 24.1 | 24.1 | 81.3 | 84.1 | 84.2 | 18.0 | 18.5 | 18.5 | 179.1 | 185.4 | 188.2 | 55.3 | 57.5 | 54.1 | 39 |
| 13.9 | 13.5 | 13.5 | 46.0 | 48.2 | 47.8 | 10.1 | 10.6 | 10.6 | 108.7 | 115.3 | 115.8 | 25.9 | 27.2 | 25.4 | 40 |
| 8.1 | 7.9 | 7.9 | 24.7 | 25.4 | 25.6 | 6.1 | 6.2 | 6.2 | 45.4 | 45.7 | 46.9 | 15.6 | 16.2 | 15.1 | 41 |
| 14.4 | 15.2 | 14.7 | 91.5 | 91.1 | 91.8 | 21.2 | 21.1 | 21.1 | 84.2 | 79.7 | 84.3 | 52.6 | 55.8 | 52.5 | 42 |
| 4.8 | 5.3 | 5.2 | 19.6 | 20.4 | 20.2 | 6.3 | 6.4 | 6.4 | 15.8 | 16.6 | 16.6 | 8.3 | 8.8 | 8.4 | 43 |
| 2.0 | 2.2 | 2.0 | 13.2 | 13.9 | 13.8 | 2.1 | 2.1 | 2.1 | 10.9 | 11.2 | 11.2 | 5.1 | 5.5 | 5.1 | 44 |
| 194.5 | 200.2 | 197.2 | 711.0 | 716.1 | 717.5 | 170.0 | 169.3 | 171.1 | 686.4 | 695.2 | 701.8 | 528.1 | 532.6 | 528.5 | 45 |
| 4.6 | 4.8 | 4.8 | 22.1 | 20.8 | 22.1 | 4.9 | 4.8 | 4.8 | 48.0 | 49.3 | 51.0 | 16.9 | 16.6 | 17.1 | 46 |
| 16.0 | 15.8 | 16.2 | 90.3 | 90.8 | 90.2 | 17.5 | 17.5 | 17.7 | 74.6 | 75.3 | 75.3 | 67.3 | 68.9 | 68.8 | 47 |
| 21.1 | 21.6 | 21.4 | 121.7 | 121.5 | 120.4 | 19.4 | 20.0 | 20.0 | 81.0 | 81.4 | 80.8 | 41.5 | 46.2 | 44.5 | 48 |
| 24.4 | 24.3 | 24.1 | 44.2 | 44.1 | 44.0 | 8.1 | 8.3 | 8.2 | 32.4 | 33.1 | 32.5 | 43.1 | 40.1 | 43.5 | 49 |
| 6.8 | 6.7 | 6.5 | 44.8 | 45.4 | 46.3 | 8.3 | 8.3 | 8.4 | 47.9 | 48.2 | 49.3 | 37.5 | 35.7 | 35.8 | 50 |
| 24.3 | 24.9 | 24.7 | 69.9 | 71.0 | 70.3 | 13.7 | 14.0 | 14.2 | 47.4 | 48.1 | 48.8 | 46.3 | 45.8 | 47.3 | 51 |
| 74.6 | 74.8 | 73.9 | 181.9 | 184.8 | 183.4 | 67.8 | 67.7 | 67.8 | 211.2 | 214.7 | 215.5 | 147.5 | 144.7 | 148.7 | 52 |
| 6.9 | 7.1 | 7.0 | 40.0 | 42.3 | 41.6 | 9.9 | 9.5 | 9.5 | 34.9 | 35.8 | 35.9 | 25.3 | 25.2 | 26.5 | 53 |
| 5.3 | 5.4 | 5.1 | 24.7 | 25.5 | 25.1 | 8.1 | 8.2 | 8.3 | 41.5 | 42.3 | 41.4 | 47.0 | 48.1 | 49.1 | 54 |
| 2.5 | 2.6 | 2.6 | 9.2 | 9.1 | 9.1 | 2.7 | 2.7 | 2.7 | 8.9 | 9.0 | 8.9 | 10.7 | 11.0 | 10.9 | 55 |
| 29.3 | 28.7 | 28.6 | 110.6 | 112.8 | 113.8 | 22.0 | 23.0 | 23.2 | 97.8 | 100.1 | 101.3 | 119.6 | 125.7 | 123.3 | 56 |
| 11.8 | 11.2 | 11.3 | 48.3 | 49.0 | 49.2 | 11.0 | 11.5 | 11.5 | 47.5 | 49.9 | 50.0 | 40.7 | 42.1 | 43.4 | 57 |
| 1.2 | 1.1 | 1.1 | 5.8 | 6.3 | 6.4 | 1.2 | 1.3 | 1.3 | 4.1 | 4.2 | 4.3 | 12.9 | 14.1 | 13.2 | 58 |
| 419.1 | 414.6 | 390.0 | 1,454.6 | 1,475.5 | 1,459.5 | 680.5 | 683.3 | 687.2 | 1,828.2 | 1,851.3 | 1,859.1 | 1,279.4 | 1,292.1 | 1,271.4 | 59 |
| 15.0 | 14.3 | 14.1 | 66.2 | 66.5 | 66.4 | 16.8 | 16.7 | 16.8 | 75.2 | 76.2 | 76.1 | 97.0 | 98.1 | 94.4 | 60 |
| 4.6 | 4.4 | 4.5 | 21.0 | 21.3 | 21.1 | 4.0 | 3.9 | 3.9 | 19.6 | 19.5 | 19.6 | 19.2 | 22.0 | 19.3 | 61 |
| 25.4 | 25.2 | 24.1 | 107.5 | 107.4 | 106.3 | 22.9 | 22.7 | 22.8 | 103.4 | 103.2 | 100.8 | 83.4 | 83.8 | 83.4 | 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 areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|--------------------------------------|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| NEW YORK—Continued | | | | | | | | | | | | |
| 1 Elmira | 34.2 | 33.4 | 33.6 | (1) | (1) | (1) | 1.1 | 1.2 | 1.3 | 8.6 | 7.9 | 7.8 |
| 2 Monroe County | 343.3 | 335.0 | 330.4 | (1) | (1) | (1) | 9.5 | 8.6 | 8.9 | 141.6 | 126.7 | 125.9 |
| 3 Nassau—Suffolk | 953.8 | 968.7 | 965.8 | (1) | (1) | (1) | 38.4 | 38.7 | 39.2 | 167.2 | 168.2 | 166.7 |
| 4 New York—Northeastern New Jersey | 6,803.2 | 6,828.7 | 6,797.4 | 2.2 | 2.3 | 2.3 | 212.9 | 210.3 | 211.6 | 1,244.3 | 1,224.7 | 1,208.6 |
| 5 New York and Nassau—Suffolk | 4,758.5 | 4,788.9 | 4,755.3 | 1.8 | 1.9 | 1.9 | 143.2 | 146.9 | 147.1 | 709.0 | 700.1 | 686.4 |
| 6 New York SMSA | 3,804.6 | 3,820.2 | 3,789.6 | 1.6 | 1.7 | 1.7 | 104.8 | 108.2 | 107.9 | 541.8 | 531.9 | 519.7 |
| 7 New York City | 3,344.7 | 3,365.4 | 3,336.9 | 1.3 | 1.4 | 1.4 | 84.3 | 87.9 | 87.8 | 451.9 | 445.9 | 433.4 |
| 8 Poughkeepsie | 104.1 | 103.5 | 104.0 | (1) | (1) | (1) | 2.9 | 2.9 | 2.9 | 35.4 | 34.7 | 34.5 |
| 9 Rochester | 419.5 | 410.1 | 405.0 | (1) | (1) | (1) | 11.7 | 10.9 | 11.2 | 161.1 | 144.2 | 144.9 |
| 10 Rockland County | 85.2 | 83.8 | 84.7 | (1) | (1) | (1) | 2.7 | 2.9 | 2.9 | 15.7 | 15.9 | 15.8 |
| 11 Syracuse | 257.0 | 259.3 | 257.4 | (1) | (1) | (1) | 12.7 | 13.6 | 13.7 | 55.8 | 55.8 | 55.8 |
| 12 Utica—Rome | 111.8 | 112.2 | 110.7 | (1) | (1) | (1) | 2.7 | 2.6 | 2.7 | 27.1 | 26.9 | 26.5 |
| 13 Westchester County | 362.0 | 358.3 | 355.4 | (1) | (1) | (1) | 17.0 | 16.6 | 16.4 | 72.8 | 68.7 | 69.2 |
| NORTH CAROLINA | | | | | | | | | | | | |
| 14 Asheville | 2,288.2 | 2,368.6 | 2,320.4 | 4.7 | 4.9 | 4.9 | 105.9 | 103.7 | 105.1 | 770.1 | 783.0 | 782.9 |
| 15 Charlotte—Gastonia | 71.8 | 73.4 | 72.6 | (1) | (1) | (1) | 2.7 | 2.7 | 2.8 | 20.6 | 20.5 | 20.5 |
| 16 Greensboro—Winston-Salem—High Pt. | 331.2 | 336.1 | 331.5 | (1) | (1) | (1) | 16.6 | 17.1 | 17.5 | 89.0 | 90.9 | 90.0 |
| 17 Raleigh—Durham | 373.2 | 384.8 | 377.2 | (1) | (1) | (1) | 16.4 | 16.2 | 16.8 | 142.2 | 142.7 | 143.1 |
| 18 | 268.8 | 279.3 | 275.5 | (1) | (1) | (1) | 14.4 | 15.2 | 15.5 | 45.2 | 45.8 | 46.0 |
| NORTH DAKOTA | | | | | | | | | | | | |
| 19 Fargo—Moorhead | 252.8 | 257.2 | 254.2 | 9.0 | 7.4 | 7.5 | 19.7 | 19.9 | 20.4 | 15.1 | 14.9 | 15.0 |
| 20 | 58.8 | 61.0 | 59.4 | (2) | (2) | (2) | 2.9 | 2.6 | 2.7 | 4.3 | 4.4 | 4.4 |
| OHIO | | | | | | | | | | | | |
| 21 Akron | 4,131.3 | 4,127.4 | 4,089.2 | 31.1 | 29.3 | 29.7 | 146.1 | 133.0 | 137.9 | 1,104.6 | 1,078.7 | 1,075.4 |
| 22 Canton | 248.4 | 247.5 | 249.2 | (*) | (*) | (*) | 8.1 | 7.4 | 7.9 | 68.1 | 67.0 | 67.3 |
| 23 Cincinnati | 151.2 | 149.0 | 148.5 | (*) | (*) | (*) | 5.5 | 4.8 | 5.5 | 48.9 | 46.4 | 46.4 |
| 24 Cleveland | 573.5 | 576.4 | 570.2 | (*) | (*) | (*) | 21.2 | 19.1 | 19.5 | 146.3 | 145.0 | 144.3 |
| 25 Columbus | 850.7 | 840.2 | 835.0 | (*) | (*) | (*) | 26.9 | 25.3 | 26.2 | 223.5 | 212.4 | 211.0 |
| 26 Dayton | 493.6 | 504.2 | 498.2 | (*) | (*) | (*) | 15.9 | 14.8 | 15.2 | 86.4 | 87.2 | 87.2 |
| 27 Toledo | 333.9 | 337.0 | 330.1 | (*) | (*) | (*) | 10.2 | 9.4 | 9.7 | 88.5 | 86.5 | 85.5 |
| 28 Youngstown—Warren | 277.7 | 283.1 | 279.4 | (*) | (*) | (*) | 10.3 | 10.6 | 11.1 | 68.1 | 69.4 | 69.2 |
| 29 | 182.5 | 183.2 | 182.8 | (*) | (*) | (*) | 5.8 | 5.2 | 5.2 | 54.4 | 54.3 | 55.0 |
| OKLAHOMA | | | | | | | | | | | | |
| 30 Enid | 1,230.2 | 1,206.2 | 1,206.1 | 109.8 | 80.3 | 80.8 | 61.1 | 51.1 | 52.5 | 181.5 | 169.2 | 170.2 |
| 31 Lawton | 28.3 | 27.5 | 28.0 | 3.6 | 3.1 | 3.1 | 1.8 | 1.8 | 1.9 | 2.5 | 2.2 | 2.4 |
| 32 Oklahoma City | 31.1 | 31.2 | 31.6 | (1) | (1) | (1) | 1.4 | 1.5 | 1.6 | 3.2 | 3.2 | 3.2 |
| 33 Tulsa | 441.4 | 451.9 | 452.0 | 34.3 | 30.6 | 30.9 | 20.5 | 20.2 | 20.7 | 51.5 | 54.1 | 55.0 |
| 34 | 320.4 | 311.1 | 311.5 | 28.9 | 26.6 | 26.5 | 16.2 | 14.8 | 15.1 | 61.3 | 54.4 | 54.0 |
| OREGON | | | | | | | | | | | | |
| 35 Eugene—Springfield | 956.9 | 969.3 | 942.2 | 1.9 | 1.6 | 1.6 | 32.4 | 28.7 | 29.8 | 190.4 | 190.2 | 190.5 |
| 36 Medford | 88.8 | 91.4 | 88.1 | (1) | (1) | (1) | 2.8 | 2.4 | 2.4 | 16.7 | 17.8 | 18.3 |
| 37 Portland | 521.7 | 519.3 | 510.5 | (1) | (1) | (1) | 18.4 | 15.7 | 15.9 | 100.4 | 95.7 | 95.7 |
| 38 Salem | 84.3 | 82.8 | 80.6 | (1) | (1) | (1) | 2.7 | 2.7 | 2.9 | 17.0 | 13.0 | 14.7 |
| PENNSYLVANIA | | | | | | | | | | | | |
| 39 Allentown—Bethlehem—Easton | 4,537.2 | 4,511.9 | 4,468.1 | 45.4 | 43.6 | 44.3 | 180.1 | 158.9 | 164.2 | 1,146.9 | 1,103.9 | 1,097.1 |
| 40 Altoona | 251.6 | 248.3 | 248.1 | (1) | (1) | (1) | 8.1 | 7.2 | 7.2 | 90.7 | 88.8 | 88.5 |
| 41 Delaware Valley | 48.4 | 47.0 | 46.2 | (1) | (1) | (1) | 2.0 | 1.9 | 2.0 | 11.5 | 11.2 | 10.9 |
| 42 Erie | 1,541.5 | 1,550.6 | 1,538.5 | (1) | (1) | (1) | 59.2 | 52.2 | 54.5 | 330.3 | 319.4 | 317.1 |
| 43 Harrisburg | 106.9 | 104.5 | 104.8 | (1) | (1) | (1) | 3.2 | 2.5 | 2.6 | 37.4 | 34.6 | 34.8 |
| 44 Johnstown | 222.4 | 223.1 | 222.4 | (1) | (1) | (1) | 8.0 | 7.0 | 7.2 | 40.2 | 39.8 | 39.7 |
| 45 Lancaster | 77.7 | 74.9 | 74.4 | 6.3 | 6.1 | 6.4 | 2.5 | 2.5 | 2.4 | 14.6 | 12.5 | 12.8 |
| 46 Northeast Pennsylvania | 148.5 | 149.9 | 148.2 | (1) | (1) | (1) | 6.2 | 5.7 | 5.8 | 54.7 | 54.3 | 54.4 |
| 47 Philadelphia SMSA | 230.1 | 233.6 | 231.2 | .9 | .7 | .7 | 10.9 | 11.0 | 11.0 | 58.9 | 61.6 | 59.8 |
| 48 Philadelphia City | 1,886.6 | 1,900.9 | 1,887.9 | (1) | (1) | (1) | 72.1 | 65.2 | 67.8 | 398.0 | 388.4 | 385.2 |
| 49 Pittsburgh | 744.4 | 742.8 | 744.1 | (1) | (1) | (1) | 18.1 | 16.7 | 16.9 | 115.2 | 112.7 | 111.5 |
| 50 Reading | 885.5 | 858.3 | 853.7 | 8.9 | 7.9 | 7.9 | 42.5 | 42.1 | 42.4 | 192.1 | 169.5 | 167.8 |
| 51 Sharon | 131.5 | 135.0 | 133.6 | (1) | (1) | (1) | 4.7 | 4.3 | 4.3 | 47.8 | 50.1 | 49.8 |
| 52 State College | 42.6 | 39.9 | 39.4 | (1) | (1) | (1) | 1.2 | 1.0 | 1.0 | 12.9 | 10.3 | 10.5 |
| 53 Williamsport | 42.8 | 42.7 | 43.4 | - | - | - | 1.6 | 1.3 | 1.4 | 7.3 | 7.0 | 6.9 |
| 54 York | 44.7 | 43.3 | 42.5 | (1) | (1) | (1) | 1.3 | 1.2 | 1.2 | 15.2 | 13.8 | 13.4 |
| 55 | 149.5 | 148.0 | 144.3 | (1) | (1) | (1) | 6.4 | 5.8 | 5.9 | 59.6 | 56.9 | 54.1 |
| RHODE ISLAND | | | | | | | | | | | | |
| 56 Providence—Warwick—Pawtucket | 385.6 | 395.8 | 388.3 | (1) | (1) | (1) | 12.6 | 12.8 | 13.2 | 110.5 | 117.6 | 112.2 |
| 57 | 388.3 | 399.4 | 391.3 | (1) | (1) | (1) | 12.4 | 12.9 | 13.4 | 121.5 | 129.6 | 123.3 |
| SOUTH CAROLINA | | | | | | | | | | | | |
| 58 Charleston—North Charleston | 1,148.7 | 1,180.6 | 1,165.9 | 1.7 | 1.8 | 1.8 | 65.9 | 68.7 | 69.8 | 354.0 | 353.5 | 353.4 |
| 59 Columbia | 154.4 | 154.6 | 153.2 | - | - | - | 11.7 | 10.6 | 10.8 | 20.1 | 19.4 | 19.4 |
| 60 Greenville—Spartanburg | 179.3 | 180.1 | 179.7 | - | - | - | 9.3 | 10.3 | 10.3 | 24.5 | 25.4 | 25.3 |
| 61 | 255.5 | 259.0 | 256.6 | - | - | - | 16.7 | 14.3 | 14.5 | 97.0 | 94.5 | 94.7 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 1.4 | 1.3 | 1.3 | 8.4 | 8.4 | 8.5 | 1.1 | 1.1 | 1.1 | 7.4 | 7.4 | 7.2 | 6.2 | 6.2 | 6.4 | 1 |
| 10.5 | 10.4 | 10.1 | 60.0 | 63.3 | 62.6 | 15.0 | 15.1 | 15.3 | 70.2 | 71.9 | 71.4 | 36.5 | 39.0 | 36.2 | 2 |
| 40.5 | 43.6 | 41.0 | 246.2 | 254.0 | 253.6 | 53.8 | 53.3 | 53.4 | 235.7 | 238.5 | 243.8 | 171.9 | 172.4 | 168.0 | 3 |
| 463.5 | 465.3 | 444.2 | 1,407.4 | 1,426.1 | 1,411.8 | 689.7 | 692.8 | 695.5 | 1,711.8 | 1,741.2 | 1,741.9 | 1,071.4 | 1,066.0 | 1,081.5 | 4 |
| 312.2 | 312.7 | 293.1 | 949.7 | 962.3 | 952.1 | 570.8 | 573.2 | 575.8 | 1,304.0 | 1,327.8 | 1,328.3 | 767.8 | 763.9 | 770.6 | 5 |
| 271.7 | 269.1 | 252.1 | 703.5 | 708.3 | 698.5 | 517.0 | 520.0 | 522.4 | 1,068.4 | 1,089.5 | 1,084.7 | 595.9 | 591.5 | 602.5 | 6 |
| 247.8 | 246.4 | 230.2 | 598.3 | 603.1 | 594.4 | 493.4 | 496.4 | 498.7 | 948.5 | 970.5 | 964.7 | 519.1 | 513.8 | 526.3 | 7 |
| 3.0 | 2.9 | 2.9 | 17.0 | 17.4 | 17.3 | 3.1 | 3.1 | 3.2 | 19.5 | 19.7 | 20.6 | 23.2 | 22.9 | 22.6 | 8 |
| 13.3 | 12.9 | 12.7 | 77.3 | 80.8 | 80.2 | 16.7 | 16.8 | 16.9 | 83.3 | 84.9 | 84.1 | 56.2 | 59.8 | 55.2 | 9 |
| 3.6 | 2.7 | 3.4 | 18.3 | 18.1 | 18.0 | 2.9 | 2.9 | 2.9 | 20.2 | 20.0 | 20.6 | 21.7 | 21.3 | 21.2 | 10 |
| 14.6 | 14.6 | 14.6 | 57.5 | 57.5 | 57.4 | 17.0 | 17.2 | 17.4 | 51.6 | 52.4 | 51.5 | 47.9 | 48.3 | 47.0 | 11 |
| 4.0 | 3.9 | 3.9 | 23.0 | 23.3 | 23.5 | 5.7 | 5.7 | 5.7 | 21.4 | 21.3 | 21.1 | 28.0 | 28.6 | 27.3 | 12 |
| 19.7 | 19.4 | 18.0 | 83.8 | 84.2 | 83.1 | 20.2 | 20.2 | 20.3 | 96.5 | 95.9 | 96.2 | 52.0 | 53.2 | 52.2 | 13 |
| 115.4 | 115.2 | 114.9 | 477.1 | 480.8 | 483.0 | 98.3 | 100.2 | 100.7 | 364.0 | 371.1 | 373.4 | 352.7 | 409.7 | 355.5 | 14 |
| 3.5 | 3.6 | 3.6 | 15.7 | 15.9 | 15.8 | 2.3 | 2.3 | 2.3 | 16.2 | 16.4 | 16.7 | 10.8 | 12.0 | 10.9 | 15 |
| 32.2 | 31.6 | 31.7 | 82.8 | 81.6 | 82.0 | 22.8 | 22.1 | 22.0 | 56.0 | 56.9 | 56.4 | 31.8 | 35.9 | 31.9 | 16 |
| 20.3 | 20.5 | 20.5 | 78.5 | 79.2 | 79.2 | 18.5 | 18.4 | 18.5 | 58.8 | 59.5 | 59.6 | 38.5 | 48.3 | 39.5 | 17 |
| 14.1 | 14.4 | 14.5 | 52.6 | 53.3 | 53.3 | 15.5 | 15.5 | 15.7 | 61.5 | 62.7 | 63.7 | 65.5 | 72.4 | 66.8 | 18 |
| 16.8 | 16.7 | 16.6 | 68.1 | 68.1 | 67.8 | 11.9 | 12.0 | 12.0 | 54.4 | 56.4 | 56.2 | 57.8 | 61.8 | 58.7 | 19 |
| 4.0 | 3.8 | 3.7 | 17.9 | 18.0 | 17.9 | 3.8 | 3.9 | 3.8 | 14.8 | 15.5 | 15.5 | 11.1 | 12.8 | 11.4 | 20 |
| 209.9 | 198.9 | 198.3 | 940.5 | 934.7 | 930.9 | 208.9 | 209.7 | 210.8 | 867.5 | 889.3 | 884.2 | 622.8 | 653.8 | 622.0 | 21 |
| 13.3 | 12.8 | 12.9 | 58.6 | 59.1 | 59.0 | 9.4 | 9.3 | 9.4 | 53.7 | 54.3 | 55.3 | 36.5 | 36.9 | 36.7 | 22 |
| 6.5 | 6.1 | 6.2 | 33.9 | 34.4 | 34.3 | 6.5 | 6.5 | 6.5 | 30.9 | 31.8 | 31.6 | 17.7 | 17.7 | 16.8 | 23 |
| 32.5 | 31.6 | 31.3 | 138.4 | 138.4 | 137.8 | 32.7 | 32.3 | 32.3 | 127.3 | 131.8 | 131.3 | 74.8 | 77.8 | 73.3 | 24 |
| 44.1 | 42.2 | 42.3 | 196.3 | 194.0 | 192.5 | 48.9 | 48.2 | 48.3 | 192.6 | 197.7 | 196.5 | 117.2 | 119.3 | 117.2 | 25 |
| 23.5 | 22.2 | 22.2 | 119.6 | 120.4 | 119.5 | 41.6 | 42.5 | 42.9 | 110.2 | 114.5 | 113.5 | 95.6 | 101.7 | 96.8 | 26 |
| 13.1 | 12.3 | 12.3 | 71.8 | 71.4 | 70.8 | 13.6 | 13.6 | 13.8 | 73.5 | 76.4 | 75.6 | 62.9 | 66.9 | 62.0 | 27 |
| 18.2 | 17.5 | 17.4 | 65.0 | 64.7 | 63.9 | 10.9 | 11.1 | 11.1 | 64.1 | 65.8 | 65.7 | 40.7 | 43.5 | 40.5 | 28 |
| 8.5 | 7.9 | 7.9 | 44.3 | 42.9 | 42.8 | 7.2 | 7.3 | 7.3 | 39.8 | 41.1 | 41.3 | 21.5 | 23.5 | 22.2 | 29 |
| 72.5 | 68.0 | 68.3 | 295.8 | 298.9 | 299.2 | 62.8 | 64.2 | 64.6 | 223.0 | 229.2 | 230.1 | 223.7 | 245.3 | 240.4 | 30 |
| 2.9 | 2.8 | 2.9 | 7.9 | 7.8 | 7.9 | 1.2 | 1.2 | 1.2 | 5.0 | 5.1 | 5.2 | 3.4 | 3.5 | 3.4 | 31 |
| 1.4 | 1.5 | 1.5 | 7.6 | 7.5 | 7.5 | 1.4 | 1.5 | 1.5 | 5.6 | 5.5 | 5.5 | 10.5 | 10.5 | 10.8 | 32 |
| 25.2 | 25.2 | 25.1 | 110.9 | 113.9 | 114.7 | 28.0 | 28.3 | 28.7 | 83.4 | 86.6 | 86.6 | 87.6 | 93.0 | 90.3 | 33 |
| 23.3 | 23.0 | 23.0 | 73.6 | 72.5 | 72.6 | 16.5 | 16.4 | 16.6 | 67.8 | 69.9 | 70.3 | 32.8 | 33.5 | 33.4 | 34 |
| 57.1 | 55.8 | 55.8 | 241.5 | 241.2 | 241.8 | 65.8 | 64.0 | 64.2 | 188.3 | 188.3 | 186.3 | 179.5 | 199.5 | 172.2 | 35 |
| 4.7 | 4.8 | 4.7 | 22.6 | 22.3 | 22.5 | 4.7 | 4.4 | 4.5 | 19.1 | 18.7 | 18.6 | 18.2 | 21.0 | 17.1 | 36 |
| 36.1 | 34.8 | 35.0 | 136.9 | 135.9 | 136.4 | 44.2 | 43.2 | 43.5 | 109.9 | 110.1 | 108.8 | 75.8 | 83.9 | 75.2 | 37 |
| 2.7 | 2.6 | 2.6 | 17.8 | 18.4 | 18.1 | 5.5 | 5.5 | 5.5 | 14.4 | 14.4 | 14.2 | 24.2 | 26.2 | 22.6 | 38 |
| 243.6 | 242.3 | 235.7 | 969.9 | 973.7 | 970.5 | 242.0 | 242.4 | 243.5 | 1,049.1 | 1,070.7 | 1,064.0 | 660.2 | 676.4 | 648.8 | 40 |
| 13.6 | 13.1 | 13.1 | 51.5 | 49.7 | 49.7 | 9.7 | 9.7 | 9.7 | 49.5 | 50.5 | 50.8 | 28.5 | 29.3 | 29.1 | 41 |
| 6.1 | 5.5 | 5.4 | 10.7 | 10.2 | 10.1 | 1.5 | 1.5 | 1.5 | 9.3 | 9.5 | 9.4 | 7.3 | 7.2 | 6.9 | 42 |
| 78.1 | 77.5 | 75.8 | 325.7 | 335.0 | 332.4 | 110.8 | 110.7 | 110.0 | 417.9 | 428.0 | 424.9 | 219.5 | 227.8 | 223.8 | 43 |
| 4.6 | 4.6 | 4.7 | 21.6 | 21.3 | 21.3 | 4.8 | 4.8 | 4.8 | 23.4 | 24.7 | 24.6 | 11.9 | 12.0 | 12.0 | 44 |
| 16.2 | 15.2 | 15.2 | 45.9 | 46.6 | 46.5 | 13.1 | 13.2 | 13.3 | 43.6 | 45.0 | 44.9 | 55.4 | 56.3 | 55.6 | 45 |
| 4.7 | 4.8 | 4.5 | 15.4 | 14.8 | 14.9 | 4.0 | 4.0 | 4.0 | 16.5 | 16.9 | 16.8 | 13.7 | 13.3 | 12.6 | 46 |
| 6.3 | 6.6 | 6.6 | 35.3 | 35.5 | 35.1 | 5.7 | 5.5 | 5.6 | 27.8 | 28.2 | 28.2 | 12.5 | 14.1 | 12.5 | 47 |
| 12.8 | 12.5 | 12.2 | 49.4 | 50.5 | 50.2 | 10.3 | 10.4 | 10.5 | 50.5 | 50.5 | 51.2 | 36.4 | 36.4 | 35.6 | 48 |
| 93.7 | 93.3 | 91.9 | 416.1 | 425.8 | 422.5 | 128.2 | 128.2 | 127.7 | 491.8 | 503.3 | 500.3 | 286.7 | 296.7 | 292.5 | 49 |
| 50.0 | 48.0 | 47.7 | 135.9 | 136.8 | 136.2 | 65.5 | 65.0 | 64.8 | 218.3 | 223.1 | 220.6 | 141.4 | 140.5 | 146.4 | 50 |
| 51.3 | 48.6 | 48.3 | 206.6 | 202.8 | 202.3 | 47.6 | 47.5 | 47.7 | 227.5 | 230.7 | 229.4 | 109.0 | 109.2 | 107.9 | 51 |
| 6.1 | 6.3 | 6.0 | 27.3 | 27.2 | 27.3 | 6.3 | 6.2 | 6.4 | 24.7 | 24.9 | 24.8 | 14.6 | 16.0 | 15.0 | 52 |
| 2.9 | 2.6 | 2.5 | 9.6 | 9.4 | 9.4 | 1.4 | 1.4 | 1.4 | 9.6 | 9.9 | 9.5 | 5.0 | 5.3 | 5.1 | 53 |
| 1.0 | 1.1 | 1.1 | 8.3 | 8.5 | 8.5 | 1.4 | 1.5 | 1.5 | 6.1 | 6.5 | 6.5 | 16.7 | 16.5 | 17.2 | 54 |
| 2.1 | 2.1 | 2.1 | 9.5 | 9.2 | 9.3 | 2.2 | 2.2 | 2.2 | 8.5 | 8.5 | 8.5 | 5.9 | 6.3 | 5.8 | 55 |
| 7.0 | 6.8 | 6.8 | 32.9 | 33.6 | 33.5 | 4.1 | 4.2 | 4.2 | 22.9 | 23.4 | 23.3 | 16.6 | 17.3 | 16.5 | 56 |
| 12.9 | 13.4 | 12.8 | 79.4 | 80.7 | 80.0 | 21.3 | 21.4 | 21.4 | 91.0 | 92.3 | 91.7 | 57.9 | 57.6 | 57.0 | 57 |
| 12.7 | 12.9 | 12.4 | 78.1 | 78.9 | 78.5 | 21.2 | 21.2 | 21.2 | 87.6 | 90.0 | 89.1 | 54.8 | 53.9 | 53.4 | 58 |
| 54.2 | 56.1 | 56.2 | 234.8 | 235.1 | 237.2 | 51.0 | 52.2 | 52.9 | 172.7 | 180.6 | 181.0 | 214.4 | 232.6 | 213.6 | 59 |
| 9.4 | 9.1 | 9.0 | 34.4 | 35.2 | 35.4 | 7.1 | 7.3 | 7.3 | 26.8 | 27.9 | 27.5 | 44.9 | 45.1 | 43.8 | 60 |
| 9.8 | 9.4 | 9.4 | 38.0 | 37.7 | 37.2 | 14.5 | 14.6 | 14.7 | 30.5 | 29.7 | 30.1 | 52.4 | 52.7 | 52.4 | 61 |
| 9.5 | 9.1 | 9.1 | 53.4 | 53.9 | 54.3 | 10.4 | 10.7 | 10.7 | 36.6 | 39.6 | 39.4 | 31.6 | 36.6 | 33.6 | 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 areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|---|-----------|-----------|------------|-----------|-----------|------------|--------------|-----------|------------|---------------|-----------|------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| 1 SOUTH DAKOTA | 231.3 | 239.0 | 234.4 | 1.6 | 3.0 | 3.0 | 9.3 | 9.1 | 9.8 | 25.5 | 26.0 | 26.1 |
| 2 Sioux Falls | 54.2 | 56.1 | 55.2 | (2) | (2) | (2) | 2.2 | 2.3 | 2.6 | 8.0 | 8.5 | 8.6 |
| 3 TENNESSEE | 1,681.8 | 1,680.1 | 1,671.4 | 10.1 | 8.7 | 8.6 | 72.8 | 66.6 | 66.9 | 463.6 | 466.1 | 467.0 |
| 4 Chattanooga | 164.0 | 163.7 | 160.1 | 1.5 | 1.3 | 1.3 | 6.0 | 6.4 | 6.5 | 43.2 | 42.1 | 41.5 |
| 5 Knoxville | 207.3 | 200.6 | 200.4 | 1.6 | 1.3 | 1.3 | 9.7 | 9.1 | 9.8 | 49.5 | 48.8 | 48.9 |
| 6 Memphis | 345.5 | 342.8 | 342.0 | .2 | .2 | .2 | 12.1 | 11.5 | 11.8 | 54.4 | 50.9 | 51.8 |
| 7 Nashville—Davidson | 362.4 | 363.4 | 362.6 | (1) | (1) | (1) | 19.1 | 19.7 | 19.4 | 76.3 | 76.9 | 75.6 |
| 8 TEXAS | 6,276.4 | 6,162.9 | 6,164.9 | 312.3 | 289.3 | 290.8 | 432.2 | 396.5 | 393.3 | 1,049.9 | 1,001.4 | 1,002.2 |
| 9 Abilene | 59.2 | 60.9 | 60.3 | 5.1 | 5.0 | 5.1 | 3.7 | 3.6 | 3.6 | 6.4 | 6.5 | 6.4 |
| 10 Amarillo | 74.8 | 78.0 | 78.2 | (1) | (1) | (1) | 3.8 | 3.1 | 3.3 | 10.1 | 10.9 | 11.0 |
| 11 Austin | 256.5 | 263.7 | 264.5 | (1) | (1) | (1) | 13.9 | 15.2 | 15.2 | 33.5 | 33.6 | 33.3 |
| 12 Beaumont—Port Arthur—Orange | 147.3 | 145.0 | 144.1 | (1) | (1) | (1) | 11.8 | 10.5 | 10.5 | 34.2 | 34.2 | 34.0 |
| 13 Brownsville—Harlingen—San Benito | 62.7 | 58.2 | 57.7 | (1) | (1) | (1) | 4.0 | 3.2 | 3.2 | 10.5 | 8.6 | 8.7 |
| 14 Bryan—College Station | 42.1 | 41.3 | 41.7 | 1.8 | 1.5 | 1.5 | 3.0 | 2.8 | 2.7 | 3.0 | 3.1 | 3.1 |
| 15 Corpus Christi | 136.1 | 133.6 | 134.0 | 9.8 | 9.1 | 9.0 | 12.6 | 12.3 | 12.2 | 15.7 | 14.9 | 15.0 |
| 16 Dallas—Fort Worth | 1,537.5 | 1,573.0 | 1,573.6 | 33.2 | 33.3 | 33.2 | 88.1 | 86.0 | 87.2 | 314.1 | 311.7 | 312.2 |
| 17 El Paso | 166.9 | 166.0 | 164.5 | (1) | (1) | (1) | 8.1 | 7.8 | 7.8 | 38.1 | 38.4 | 37.9 |
| 18 Galveston—Texas City | 70.0 | 69.3 | 67.4 | (1) | (1) | (1) | 4.8 | 4.8 | 4.8 | 11.6 | 10.9 | 11.0 |
| 19 Houston | 1,606.4 | 1,546.4 | 1,542.8 | 109.6 | 105.5 | 104.8 | 149.4 | 134.5 | 136.7 | 259.1 | 226.8 | 225.7 |
| 20 Killeen—Temple | 60.1 | 62.0 | 61.4 | (1) | (1) | (1) | 3.1 | 3.5 | 3.5 | 8.1 | 8.3 | 8.4 |
| 21 Laredo | 35.1 | 29.6 | 28.8 | (1) | (1) | (1) | 2.1 | 1.4 | 1.3 | 1.9 | 1.8 | 1.7 |
| 22 Longview—Marshall | 70.4 | 67.5 | 67.6 | (1) | (1) | (1) | 5.1 | 4.5 | 4.6 | 17.3 | 16.2 | 16.0 |
| 23 Lubbock | 88.1 | 86.9 | 88.3 | (1) | (1) | (1) | 4.2 | 4.2 | 4.2 | 11.7 | 10.8 | 11.0 |
| 24 McAllen—Pharr—Edinburg | 78.2 | 77.3 | 73.6 | 1.8 | 1.7 | 1.7 | 6.2 | 5.7 | 5.6 | 8.5 | 9.1 | 9.0 |
| 25 Midland | 53.3 | 52.2 | 52.3 | 13.7 | 12.9 | 12.8 | 4.7 | 4.4 | 4.5 | 4.6 | 3.9 | 4.0 |
| 26 Odessa | 60.0 | 54.4 | 55.3 | 8.2 | 7.8 | 7.9 | 6.3 | 5.1 | 5.4 | 8.2 | 5.9 | 6.2 |
| 27 San Angelo | 36.8 | 35.5 | 35.3 | 1.0 | .7 | .7 | 2.3 | 2.2 | 2.2 | 6.3 | 5.3 | 5.3 |
| 28 San Antonio | 418.3 | 431.8 | 432.5 | 3.4 | 3.4 | 3.4 | 27.6 | 29.0 | 29.3 | 50.0 | 49.3 | 49.5 |
| 29 Sherman—Denison | 34.9 | 33.3 | 33.5 | .2 | .2 | .2 | 1.5 | 1.4 | 1.4 | 11.4 | 10.9 | 11.0 |
| 30 Texarkana | 44.8 | 45.9 | 45.4 | .2 | .2 | .2 | 1.9 | 2.4 | 2.5 | 8.3 | 8.1 | 8.2 |
| 31 Tyler | 55.2 | 55.9 | 56.0 | 3.4 | 3.1 | 3.1 | 2.4 | 2.5 | 2.5 | 10.9 | 10.7 | 10.8 |
| 32 Waco | 69.7 | 71.2 | 71.5 | (1) | (1) | (1) | 3.7 | 3.7 | 3.9 | 14.5 | 15.3 | 15.2 |
| 33 Wichita Falls | 54.0 | 53.2 | 52.8 | 3.8 | 3.2 | 3.2 | 2.2 | 2.1 | 2.1 | 9.6 | 8.8 | 8.9 |
| 34 UTAH | 557.0 | 561.4 | 558.8 | 17.6 | 14.3 | 14.0 | 29.5 | 28.5 | 29.4 | 86.2 | 85.1 | 85.2 |
| 35 Salt Lake City—Ogden | 394.1 | 398.0 | 396.6 | 6.6 | 5.8 | 5.8 | 19.2 | 18.4 | 19.1 | 59.7 | 58.9 | 59.1 |
| 36 VERMONT | 203.2 | 204.0 | 204.3 | .7 | .8 | .8 | 11.5 | 11.5 | 12.1 | 49.2 | 48.9 | 48.4 |
| 37 Burlington ^{1A} | 60.0 | 59.9 | 60.2 | - | - | - | - | - | - | 16.2 | 15.8 | 15.9 |
| 38 Springfield ^{1A} | 13.6 | 13.5 | 13.1 | - | - | - | - | - | - | 5.2 | 4.6 | 4.5 |
| 39 VIRGINIA | 2,135.7 | 2,180.3 | 2,165.0 | 22.6 | 20.8 | 21.0 | 104.4 | 107.4 | 110.4 | 395.5 | 403.0 | 404.7 |
| 40 Bristol | 26.4 | 26.5 | 26.3 | (1) | (1) | (1) | .9 | 1.0 | 1.0 | 9.1 | 8.3 | 8.2 |
| 41 Lynchburg | 68.9 | 68.4 | 68.2 | (1) | (1) | (1) | 2.6 | 2.6 | 2.8 | 26.6 | 26.1 | 26.1 |
| 42 Newport News—Hampton | 153.6 | 160.6 | 160.8 | (1) | (1) | (1) | 6.6 | 6.4 | 6.5 | 36.7 | 39.7 | 40.1 |
| 43 Norfolk—Virginia Beach—Portsmouth | 291.2 | 300.9 | 301.2 | (1) | (1) | (1) | 16.5 | 18.5 | 19.0 | 28.0 | 26.5 | 26.4 |
| 44 Northern Virginia ^{1A} | 478.2 | 497.7 | 495.1 | .6 | .6 | .6 | 25.1 | 27.3 | 28.0 | 22.3 | 24.1 | 24.5 |
| 45 Petersburg—Colonial Hgts.—Hopewell | 43.2 | 43.9 | 42.5 | (1) | (1) | (1) | 1.8 | 2.2 | 2.2 | 9.4 | 8.2 | 8.0 |
| 46 Richmond | 322.1 | 328.2 | 325.5 | .3 | .3 | .3 | 16.2 | 15.9 | 16.2 | 55.2 | 55.0 | 55.3 |
| 47 Roanoke | 101.7 | 105.3 | 105.5 | .1 | .1 | .1 | 5.0 | 5.2 | 5.3 | 19.7 | 20.2 | 20.3 |
| 48 WASHINGTON | 1,558.8 | 1,600.4 | 1,578.7 | 3.3 | 2.9 | 2.8 | 79.1 | 79.3 | 81.2 | 291.1 | 280.2 | 279.8 |
| 49 WEST VIRGINIA | 611.9 | 584.4 | 590.4 | 64.0 | 50.0 | 49.3 | 26.1 | 27.0 | 27.7 | 97.6 | 91.3 | 90.7 |
| 50 Charleston | 109.8 | 103.4 | 105.0 | 5.9 | 4.4 | 4.3 | 5.3 | 4.4 | 5.3 | 16.3 | 14.5 | 14.0 |
| 51 Huntington—Ashland | 97.2 | 93.8 | 94.5 | 1.0 | 1.1 | .9 | 5.1 | 5.0 | 5.0 | 21.2 | 19.6 | 19.5 |
| 52 Parkersburg—Marietta | 55.9 | 55.8 | 55.5 | 1.5 | 1.2 | 1.2 | 1.9 | 3.4 | 3.3 | 15.3 | 15.0 | 14.7 |
| 53 Wheeling | 62.6 | 58.5 | 58.6 | 4.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | 9.4 | 8.4 | 8.4 |
| 54 WISCONSIN | 1,868.7 | 1,867.7 | 1,858.2 | 2.3 | 2.5 | 2.5 | 53.2 | 50.9 | 52.9 | 502.2 | 482.9 | 493.0 |
| 55 Appleton—Oshkosh | 120.4 | 122.1 | 120.3 | (1) | (1) | (1) | 4.6 | 4.3 | 4.4 | 43.8 | 43.7 | 43.8 |
| 56 Eau Claire | 46.7 | 47.3 | 47.2 | (1) | (1) | (1) | 1.1 | 1.1 | 1.2 | 9.0 | 9.1 | 9.2 |
| 57 Green Bay | 77.7 | 78.8 | 78.3 | (1) | (1) | (1) | 3.1 | 2.6 | 2.8 | 21.8 | 21.1 | 21.9 |
| 58 Janesville—Beloit | 49.3 | 50.3 | 49.9 | (1) | (1) | (1) | 1.1 | .9 | .9 | 17.8 | 18.4 | 18.3 |
| 59 Kenosha | 41.6 | 41.6 | 41.9 | (1) | (1) | (1) | 1.6 | 1.3 | 1.4 | 16.1 | 17.5 | 17.7 |
| 60 La Crosse | 44.0 | 45.8 | 45.2 | (1) | (1) | (1) | 1.2 | 1.0 | 1.0 | 10.0 | 9.9 | 9.8 |
| 61 Madison | 167.9 | 169.0 | 169.0 | (1) | (1) | (1) | 5.5 | 4.4 | 4.7 | 19.7 | 19.0 | 19.4 |
| 62 Milwaukee | 626.9 | 617.9 | 609.6 | (1) | (1) | (1) | 13.3 | 13.4 | 13.9 | 169.0 | 160.8 | 160.2 |
| 63 Racine | 61.8 | 60.7 | 60.4 | (1) | (1) | (1) | 1.5 | 1.1 | 1.3 | 23.4 | 22.6 | 22.8 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 12.4 | 11.9 | 11.9 | 63.3 | 63.3 | 63.2 | 12.0 | 12.0 | 12.1 | 54.1 | 54.5 | 54.3 | 53.1 | 59.2 | 54.0 | 1 |
| 4.6 | 4.5 | 4.4 | 15.4 | 15.4 | 15.3 | 4.0 | 4.1 | 4.1 | 14.1 | 14.4 | 14.3 | 5.9 | 6.9 | 5.9 | 2 |
| 83.1 | 82.3 | 82.3 | 368.9 | 361.6 | 365.2 | 80.8 | 80.3 | 79.7 | 325.4 | 323.2 | 322.4 | 277.1 | 291.3 | 279.3 | 3 |
| 7.6 | 7.2 | 7.2 | 35.2 | 35.4 | 35.6 | 10.0 | 10.7 | 10.7 | 29.6 | 29.4 | 28.7 | 30.9 | 31.2 | 28.6 | 4 |
| 8.2 | 7.6 | 7.6 | 46.8 | 44.5 | 44.9 | 9.0 | 8.2 | 8.2 | 38.6 | 37.6 | 37.5 | 43.9 | 43.5 | 42.2 | 5 |
| 26.3 | 25.2 | 25.4 | 95.0 | 94.3 | 94.8 | 19.5 | 20.3 | 20.3 | 79.4 | 79.0 | 79.2 | 58.6 | 61.4 | 58.5 | 6 |
| 19.5 | 18.7 | 18.7 | 88.0 | 86.2 | 87.2 | 25.5 | 25.1 | 25.2 | 76.0 | 77.7 | 77.6 | 58.0 | 59.2 | 58.9 | 7 |
| 386.7 | 377.7 | 379.9 | 1,552.4 | 1,528.7 | 1,532.5 | 367.4 | 375.0 | 375.0 | 1,169.3 | 1,168.3 | 1,173.5 | 1,006.2 | 1,026.0 | 1,017.7 | 8 |
| 3.3 | 3.3 | 3.3 | 15.5 | 15.7 | 15.7 | 3.2 | 3.2 | 3.1 | 13.3 | 13.8 | 13.8 | 8.7 | 9.8 | 9.3 | 9 |
| 6.6 | 6.5 | 6.5 | 22.5 | 24.2 | 24.3 | 4.0 | 4.2 | 4.2 | 16.4 | 16.7 | 16.8 | 11.4 | 12.4 | 12.1 | 10 |
| 8.0 | 7.7 | 7.7 | 59.6 | 61.7 | 61.8 | 17.5 | 17.2 | 17.3 | 52.9 | 54.3 | 54.6 | 71.1 | 74.0 | 74.6 | 11 |
| 12.5 | 12.6 | 12.7 | 34.7 | 33.9 | 34.0 | 5.9 | 5.8 | 5.8 | 29.0 | 28.7 | 28.7 | 19.9 | 19.3 | 18.4 | 12 |
| 4.0 | 3.4 | 3.5 | 18.8 | 17.4 | 17.2 | 3.0 | 3.0 | 3.0 | 10.6 | 10.5 | 10.4 | 11.8 | 12.1 | 11.7 | 13 |
| 1.9 | 2.0 | 2.0 | 9.1 | 9.1 | 8.9 | 1.8 | 1.8 | 1.8 | 5.7 | 5.9 | 6.0 | 15.8 | 15.1 | 15.7 | 14 |
| 8.1 | 7.4 | 7.3 | 33.6 | 32.6 | 33.1 | 6.6 | 6.5 | 6.6 | 24.6 | 23.9 | 24.1 | 25.1 | 26.9 | 26.7 | 15 |
| 97.6 | 99.2 | 99.5 | 415.2 | 425.6 | 427.2 | 118.7 | 121.0 | 121.8 | 299.5 | 318.9 | 320.7 | 171.1 | 177.3 | 171.8 | 16 |
| 10.6 | 10.5 | 10.5 | 41.6 | 40.0 | 39.9 | 7.8 | 7.8 | 7.8 | 27.2 | 27.5 | 27.6 | 33.5 | 34.0 | 33.0 | 17 |
| 6.5 | 6.4 | 6.5 | 13.3 | 13.1 | 13.1 | 4.6 | 4.4 | 4.4 | 11.6 | 11.4 | 11.4 | 17.6 | 18.3 | 16.2 | 18 |
| 110.2 | 107.1 | 107.3 | 382.0 | 368.9 | 368.8 | 101.6 | 103.1 | 103.3 | 326.3 | 325.8 | 327.3 | 168.2 | 174.7 | 168.9 | 19 |
| 3.2 | 3.2 | 3.2 | 13.9 | 13.8 | 13.7 | 2.2 | 2.4 | 2.3 | 11.0 | 11.4 | 11.3 | 18.6 | 19.4 | 19.0 | 20 |
| 4.0 | 3.3 | 3.3 | 12.6 | 9.3 | 9.3 | 1.5 | 1.5 | 1.4 | 6.5 | 5.7 | 5.6 | 6.5 | 6.6 | 6.2 | 21 |
| 3.8 | 3.8 | 3.9 | 17.7 | 17.1 | 17.2 | 2.8 | 2.9 | 2.9 | 16.3 | 15.6 | 15.8 | 7.4 | 7.4 | 7.2 | 22 |
| 4.6 | 4.6 | 4.6 | 25.9 | 25.7 | 25.9 | 5.0 | 5.2 | 5.2 | 17.6 | 17.7 | 18.1 | 19.1 | 18.7 | 19.3 | 23 |
| 2.9 | 2.6 | 2.6 | 26.8 | 24.1 | 22.1 | 3.1 | 3.2 | 3.2 | 10.0 | 9.7 | 9.8 | 18.9 | 21.2 | 19.6 | 24 |
| 3.2 | 3.1 | 3.1 | 10.9 | 11.3 | 11.5 | 3.3 | 3.5 | 3.5 | 8.5 | 8.8 | 8.6 | 4.4 | 4.3 | 4.3 | 25 |
| 3.3 | 2.8 | 2.8 | 16.6 | 14.8 | 14.8 | 2.3 | 2.4 | 2.4 | 8.5 | 8.5 | 8.5 | 6.6 | 7.1 | 7.3 | 26 |
| 3.7 | 3.7 | 3.7 | 8.8 | 8.7 | 8.7 | 1.4 | 1.5 | 1.5 | 7.3 | 7.3 | 7.2 | 6.0 | 6.1 | 6.0 | 27 |
| 18.5 | 19.1 | 19.1 | 108.5 | 111.7 | 113.2 | 29.0 | 29.8 | 30.1 | 89.9 | 93.7 | 94.8 | 91.4 | 95.8 | 93.1 | 28 |
| 2.3 | 2.3 | 2.3 | 7.4 | 7.0 | 7.1 | 1.2 | 1.1 | 1.2 | 6.0 | 5.7 | 5.6 | 4.9 | 4.7 | 4.7 | 29 |
| 2.2 | 2.1 | 2.1 | 10.7 | 11.1 | 11.1 | 1.6 | 1.6 | 1.6 | 7.6 | 7.5 | 7.5 | 12.3 | 12.9 | 12.2 | 30 |
| 2.7 | 2.8 | 2.8 | 14.5 | 15.1 | 15.1 | 3.0 | 3.2 | 3.2 | 11.1 | 11.1 | 11.2 | 7.2 | 7.4 | 7.3 | 31 |
| 3.5 | 3.4 | 3.2 | 17.0 | 17.5 | 17.6 | 4.4 | 4.6 | 4.6 | 15.2 | 15.1 | 15.3 | 11.4 | 11.6 | 11.6 | 32 |
| 3.1 | 3.0 | 3.0 | 13.5 | 13.4 | 13.4 | 2.5 | 2.6 | 2.6 | 9.0 | 9.2 | 9.3 | 10.3 | 10.9 | 10.3 | 33 |
| 36.3 | 35.7 | 35.9 | 131.7 | 132.4 | 132.2 | 26.4 | 27.3 | 27.4 | 108.3 | 110.8 | 111.1 | 121.1 | 127.4 | 123.5 | 34 |
| 28.2 | 28.0 | 28.2 | 97.3 | 96.6 | 96.0 | 21.3 | 22.4 | 22.4 | 74.9 | 77.1 | 77.3 | 86.8 | 90.8 | 88.8 | 35 |
| 8.8 | 9.0 | 8.9 | 43.3 | 43.1 | 43.8 | 8.5 | 9.0 | 9.0 | 47.9 | 46.0 | 48.5 | 33.3 | 35.4 | 32.8 | 36 |
| 2.4 | 2.5 | 2.5 | 12.7 | 12.5 | 12.6 | - | - | - | 13.1 | 13.1 | 13.5 | - | - | - | 37 |
| .6 | .6 | .7 | 2.3 | 2.4 | 2.4 | - | - | - | 2.8 | 2.8 | 2.7 | - | - | - | 38 |
| 117.4 | 117.3 | 117.9 | 457.9 | 461.5 | 462.1 | 106.6 | 110.1 | 111.1 | 435.6 | 444.2 | 447.6 | 495.8 | 516.1 | 490.3 | 39 |
| 1.1 | 1.1 | 1.1 | 6.4 | 6.5 | 6.6 | .9 | 1.0 | 1.0 | 3.5 | 3.5 | 3.6 | 4.5 | 5.1 | 4.8 | 40 |
| 2.8 | 2.8 | 2.7 | 11.9 | 12.0 | 12.1 | 3.4 | 3.5 | 3.5 | 12.2 | 11.8 | 11.9 | 9.5 | 9.6 | 9.2 | 41 |
| 5.1 | 5.1 | 5.0 | 31.2 | 33.0 | 33.2 | 4.8 | 4.8 | 4.9 | 31.2 | 32.8 | 33.2 | 37.9 | 39.0 | 37.8 | 42 |
| 19.9 | 20.8 | 21.0 | 71.4 | 74.3 | 74.9 | 14.8 | 15.4 | 15.4 | 63.4 | 64.3 | 64.5 | 77.2 | 81.2 | 80.1 | 43 |
| 33.8 | 34.5 | 35.1 | 108.6 | 114.6 | 115.0 | 29.5 | 30.9 | 31.2 | 135.0 | 139.2 | 139.2 | 123.2 | 126.4 | 121.4 | 44 |
| 1.3 | 1.1 | 1.2 | 8.4 | 8.4 | 8.4 | 1.2 | 1.2 | 1.2 | 7.0 | 7.5 | 7.6 | 14.1 | 15.4 | 13.9 | 45 |
| 19.7 | 19.2 | 19.2 | 76.5 | 77.8 | 77.9 | 27.1 | 27.6 | 27.7 | 61.1 | 61.8 | 62.2 | 66.0 | 70.6 | 66.7 | 46 |
| 9.1 | 9.4 | 9.5 | 25.1 | 25.6 | 26.1 | 6.1 | 6.1 | 6.2 | 21.8 | 22.6 | 22.3 | 14.9 | 16.0 | 15.7 | 47 |
| 90.4 | 90.7 | 91.5 | 384.5 | 396.3 | 396.9 | 91.6 | 92.5 | 93.2 | 317.6 | 328.5 | 329.8 | 301.2 | 330.0 | 303.5 | 48 |
| 41.8 | 39.2 | 39.3 | 129.0 | 127.1 | 127.6 | 22.2 | 22.1 | 21.9 | 104.5 | 101.9 | 101.6 | 126.6 | 125.7 | 132.2 | 49 |
| 9.1 | 8.6 | 8.6 | 25.9 | 25.1 | 25.4 | 5.0 | 4.9 | 4.9 | 21.5 | 21.4 | 21.4 | 20.7 | 20.1 | 21.1 | 50 |
| 8.2 | 7.9 | 8.0 | 23.9 | 23.2 | 23.2 | 3.6 | 3.6 | 3.7 | 15.8 | 15.6 | 15.6 | 18.4 | 17.8 | 18.6 | 51 |
| 2.3 | 2.2 | 2.2 | 13.3 | 12.6 | 12.6 | 2.1 | 2.0 | 2.0 | 10.2 | 10.3 | 10.2 | 9.3 | 9.0 | 9.3 | 52 |
| 3.8 | 3.5 | 3.5 | 14.9 | 14.6 | 14.6 | 2.9 | 2.9 | 2.9 | 14.7 | 14.3 | 14.3 | 9.5 | 9.4 | 9.4 | 53 |
| 84.8 | 84.5 | 81.4 | 433.9 | 434.0 | 433.4 | 98.8 | 99.2 | 99.9 | 388.7 | 392.4 | 393.1 | 304.7 | 321.3 | 302.0 | 54 |
| 4.1 | 4.1 | 4.0 | 24.8 | 25.2 | 24.6 | 5.7 | 5.9 | 6.0 | 22.1 | 22.6 | 22.3 | 15.3 | 16.3 | 15.2 | 55 |
| 2.6 | 2.6 | 2.6 | 12.5 | 13.0 | 13.2 | 1.7 | 1.7 | 1.7 | 10.1 | 10.0 | 10.0 | 9.7 | 9.7 | 9.3 | 56 |
| 6.1 | 6.3 | 6.2 | 19.4 | 20.2 | 19.9 | 2.6 | 2.6 | 2.7 | 15.1 | 15.9 | 15.8 | 9.6 | 10.0 | 9.0 | 57 |
| 2.4 | 2.7 | 2.5 | 10.8 | 10.9 | 10.8 | 1.4 | 1.4 | 1.4 | 8.8 | 9.2 | 9.2 | 6.9 | 6.8 | 6.8 | 58 |
| 1.2 | 1.2 | 1.1 | 8.1 | 7.7 | 7.7 | 1.0 | 1.0 | 1.0 | 7.4 | 7.3 | 7.2 | 6.0 | 5.7 | 5.8 | 59 |
| 1.9 | 1.8 | 1.8 | 11.7 | 12.3 | 12.1 | 1.1 | 1.2 | 1.1 | 11.8 | 12.5 | 12.6 | 6.4 | 7.2 | 6.7 | 60 |
| 6.2 | 6.2 | 6.0 | 36.6 | 37.0 | 37.2 | 14.0 | 13.8 | 13.8 | 33.1 | 34.5 | 34.1 | 52.9 | 54.1 | 53.8 | 61 |
| 31.9 | 31.6 | 30.8 | 139.2 | 138.5 | 138.3 | 41.4 | 41.0 | 41.1 | 149.7 | 150.7 | 150.3 | 82.5 | 82.1 | 75.0 | 62 |
| 2.3 | 2.4 | 2.3 | 13.0 | 12.7 | 12.7 | 2.3 | 2.3 | 2.3 | 11.1 | 11.1 | 11.1 | 8.1 | 8.5 | 8.0 | 63 |

**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 areas | Total | | | Mining | | | Construction | | | Manufacturing | | |
|------------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|---------------|--------------|---------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| 1 WYOMING | 217.9 | 218.0 | 214.4 | 37.0 | 36.0 | 36.6 | 19.8 | 24.9 | 25.4 | 9.2 | 9.3 | 9.5 |
| 2 PUERTO RICO | 627.7 | 623.2 | 619.1 | .7 | .7 | .8 | 24.2 | 19.3 | 19.8 | 139.3 | 142.0 | 141.5 |
| 3 Caguas | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) |
| 4 Mayaguez | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) |
| 5 Ponce | (*) | (*) | (*) | (*) | (*) | (*) | 2.1 | 3.5 | 3.1 | (*) | (*) | (*) |
| 6 San Juan | (*) | (*) | (*) | (1) | (1) | (1) | 17.4 | 12.2 | 12.7 | (*) | (*) | (*) |
| 7 VIRGIN ISLANDS | 36.7 | 35.7 | 36.2 | (2) | (2) | (2) | 3.1 | 2.8 | 2.9 | 2.7 | 2.3 | 2.4 |

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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | |
| 18.0 | 16.3 | 16.3 | 51.8 | 46.7 | 47.6 | 7.7 | 7.6 | 7.6 | 35.9 | 31.8 | 31.9 | 38.5 | 45.4 | 39.5 | 1 |
| 13.6 | 13.4 | 13.1 | 104.3 | 101.8 | 101.3 | 29.2 | 29.3 | 29.8 | 79.7 | 79.7 | 77.3 | 236.9 | 236.9 | 235.5 | 2 |
| (*) | (*) | (*) | 5.0 | 5.1 | 5.1 | (*) | (*) | (*) | (*) | (*) | (*) | 9.1 | 9.4 | 9.4 | 3 |
| (*) | (*) | (*) | 4.8 | 4.8 | 4.8 | (*) | (*) | (*) | (*) | (*) | (*) | 13.3 | 13.5 | 13.5 | 4 |
| (*) | (*) | (*) | 7.0 | 7.0 | 7.0 | (*) | (*) | (*) | 7.1 | 6.6 | 6.4 | 16.0 | 16.1 | 16.1 | 5 |
| 10.7 | 11.0 | 10.9 | 66.1 | 64.4 | 64.0 | 22.4 | 22.9 | 23.0 | 54.3 | 54.9 | 53.6 | 123.6 | 122.7 | 122.5 | 6 |
| 2.1 | 2.2 | 2.1 | 7.0 | 7.0 | 6.6 | 1.5 | 1.5 | 1.5 | 5.7 | 5.9 | 5.8 | 14.7 | 14.0 | 14.9 | 7 |

¹ Combined with services.

² Combined with construction.

³ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁴ Subarea of Baltimore Standard Metropolitan Statistical Area.

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

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau—Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

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

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹² Total includes data for industry divisions not shown separately.

¹³ 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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|--|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| - | TOTAL PRIVATE | \$270.34 | \$271.04 | \$280.54 | \$282.85 | \$281.08 | \$7.68 | \$7.70 | \$7.97 | \$7.99 | \$7.94 |
| - | MINING | 461.55 | 461.31 | 478.13 | 475.02 | 470.95 | 10.86 | 10.88 | 11.25 | 11.31 | 11.16 |
| 10 | METAL MINING | 462.29 | 451.04 | 502.60 | 492.76 | - | 12.23 | 12.29 | 12.66 | 12.70 | - |
| 101 | Iron ores | 484.52 | 441.61 | 482.36 | 465.79 | - | 12.52 | 12.37 | 12.40 | 12.29 | - |
| 102 | Copper ores | 468.10 | 472.12 | 521.20 | 505.21 | - | 12.86 | 12.76 | 13.03 | 13.33 | - |
| 11, 12 | COAL MINING | 502.85 | 504.90 | 540.54 | 533.61 | - | - | 12.88 | 13.65 | - | - |
| 12 | BITUMINOUS COAL AND LIGNITE MINING | 503.10 | 506.46 | 543.49 | 537.93 | - | - | 12.92 | 13.69 | - | - |
| 13 | OIL AND GAS EXTRACTION | 458.35 | 457.88 | 464.15 | 463.97 | - | 10.37 | 10.43 | 10.67 | 10.74 | - |
| 131, 2 | Crude petroleum, natural gas, and natural gas liquids | 489.04 | 486.71 | 515.68 | 522.37 | - | 11.87 | 11.90 | 12.22 | 12.32 | - |
| 138 | Oil and gas field services | 447.11 | 446.85 | 440.56 | 438.18 | - | 9.87 | 9.93 | 9.99 | 10.05 | - |
| 14 | NONMETALLIC MINERALS, EXCEPT FUELS | 392.04 | 392.47 | 408.45 | 408.04 | - | 8.91 | 8.94 | 9.22 | 9.19 | - |
| 142 | Crushed and broken stone | 389.28 | 386.71 | 391.57 | 396.90 | - | 8.67 | 8.69 | 8.76 | 8.82 | - |
| - | CONSTRUCTION | 440.42 | 438.42 | 444.95 | 450.00 | 449.12 | 11.59 | 11.66 | 11.74 | 11.78 | 11.85 |
| 15 | GENERAL BUILDING CONTRACTORS | 392.02 | 391.09 | 387.70 | 393.89 | - | 10.51 | 10.57 | 10.45 | 10.56 | - |
| 152 | Residential building construction | 358.24 | 356.85 | 354.38 | 353.05 | - | 9.63 | 9.75 | 9.63 | 9.62 | - |
| 153 | Operative builders | 313.29 | 314.77 | 356.06 | 365.89 | - | 8.18 | 8.24 | 8.77 | 8.99 | - |
| 154 | Nonresidential building construction | 424.85 | 424.08 | 424.45 | 436.57 | - | 11.39 | 11.40 | 11.41 | 11.58 | - |
| 16 | HEAVY CONSTRUCTION CONTRACTORS | 483.21 | 476.60 | 490.18 | 499.15 | - | 11.56 | 11.54 | 11.84 | 11.97 | - |
| 161 | Highway and street construction | 441.27 | 443.70 | 451.31 | 470.73 | - | 10.31 | 10.44 | 10.52 | 10.65 | - |
| 162 | Heavy construction, except highway | 501.77 | 490.44 | 508.34 | 512.33 | - | 12.12 | 12.05 | 12.49 | 12.65 | - |
| 17 | SPECIAL TRADE CONTRACTORS | 444.80 | 444.81 | 452.64 | 456.44 | - | 12.12 | 12.22 | 12.30 | 12.27 | - |
| 171 | Plumbing, heating, air conditioning | 467.37 | 462.02 | 476.63 | 471.77 | - | 12.43 | 12.42 | 12.51 | 12.35 | - |
| 172 | Painting, paper hanging, decorating | 388.30 | 391.65 | 401.27 | 409.32 | - | 11.00 | 11.19 | 11.24 | 11.37 | - |
| 173 | Electrical work | 523.22 | 526.08 | 525.38 | 533.78 | - | 13.59 | 13.70 | 14.01 | 14.01 | - |
| 174 | Masonry, stonework, and plastering | 416.71 | 418.14 | 429.45 | 429.40 | - | 11.94 | 12.05 | 12.27 | 12.13 | - |
| 175 | Carpentering and flooring | 378.59 | 384.07 | 402.57 | 399.52 | - | 11.07 | 11.23 | 11.34 | 11.35 | - |
| 178 | Roofing and sheet metal work | 365.01 | 358.57 | 377.62 | 391.65 | - | 10.58 | 10.64 | 10.82 | 10.94 | - |
| - | MANUFACTURING | 332.60 | 331.89 | 355.04 | 354.00 | 353.36 | 8.55 | 8.51 | 8.81 | 8.85 | 8.79 |
| 24, 25, 32-39 | DURABLE GOODS | 357.50 | 356.33 | 382.30 | 379.76 | 380.14 | 9.12 | 9.09 | 9.37 | 9.40 | 9.34 |
| 20-23, 26-31 | NONDURABLE GOODS | 259.15 | 299.54 | 319.19 | 319.53 | 319.18 | 7.77 | 7.74 | 8.04 | 8.11 | 8.06 |
| | DURABLE GOODS | | | | | | | | | | |
| 24 | LUMBER AND WOOD PRODUCTS | 252.97 | 293.33 | 320.28 | 313.18 | 316.74 | 7.59 | 7.56 | 7.85 | 7.81 | 7.84 |
| 241 | Logging camps and logging contractors | 396.68 | 393.57 | 412.63 | 404.19 | - | 10.25 | 10.04 | 10.29 | 10.13 | - |
| 242 | Sawmills and planing mills | 302.23 | 307.33 | 343.20 | 337.02 | - | 7.85 | 7.82 | 8.25 | 8.24 | - |
| 2421 | Sawmills and planing mills, general | 319.66 | 324.30 | 364.08 | 357.62 | - | 8.26 | 8.21 | 8.71 | 8.68 | - |
| 2426 | Hardwood dimension and flooring | 203.07 | 205.29 | 225.36 | 222.00 | - | 5.33 | 5.36 | 5.51 | 5.55 | - |
| 243 | Millwork, plywood, and structural members | 289.03 | 286.03 | 313.29 | 302.88 | - | 7.43 | 7.41 | 7.66 | 7.61 | - |
| 2431 | Millwork | 306.36 | 290.66 | 319.39 | 308.85 | - | 7.64 | 7.53 | 7.79 | 7.76 | - |
| 2434 | Wood kitchen cabinets | 252.30 | 247.38 | 274.62 | 267.63 | - | 6.71 | 6.65 | 6.90 | 6.88 | - |
| 2435 | Hardwood veneer and plywood | 218.42 | 220.22 | 249.08 | 238.94 | - | 5.84 | 5.78 | 6.09 | 6.08 | - |
| 2436 | Softwood veneer and plywood | 348.29 | 365.42 | 396.16 | 383.35 | - | 9.07 | 9.09 | 9.41 | 9.35 | - |
| 244 | Wood containers | 208.35 | 210.69 | 220.30 | 212.85 | - | 5.44 | 5.53 | 5.62 | 5.50 | - |
| 245 | Wood buildings and mobile homes | 250.33 | 246.05 | 272.68 | 266.78 | - | 6.64 | 6.65 | 6.80 | 6.72 | - |
| 2451 | Mobile homes | 248.35 | 242.14 | 276.34 | 270.27 | - | 6.57 | 6.58 | 6.84 | 6.74 | - |
| 249 | Miscellaneous wood products | 244.92 | 245.31 | 265.58 | 263.21 | - | 6.28 | 6.29 | 6.59 | 6.63 | - |
| 26 | FURNITURE AND FIXTURES | 232.31 | 242.70 | 263.34 | 258.96 | 265.86 | 6.33 | 6.37 | 6.60 | 6.64 | 6.68 |
| 25 | Household furniture | 207.42 | 219.54 | 240.58 | 235.07 | - | 5.81 | 5.87 | 6.06 | 6.09 | - |
| 2511 | Wood household furniture | 189.57 | 198.69 | 219.23 | 216.33 | - | 5.34 | 5.37 | 5.55 | 5.59 | - |
| 2512 | Upholstered household furniture | 211.70 | 230.58 | 255.96 | 244.08 | - | 6.19 | 6.30 | 6.48 | 6.44 | - |
| 2514 | Metal household furniture | 243.59 | 249.88 | 255.22 | 253.09 | - | 6.23 | 6.31 | 6.24 | 6.44 | - |
| 2515 | Mattresses and bedsprings | 243.54 | 249.33 | 276.21 | 273.00 | - | 6.46 | 6.51 | 6.94 | 7.00 | - |
| 252 | Office furniture | 251.63 | 261.59 | 290.80 | 284.20 | - | 6.71 | 6.83 | 7.27 | 7.25 | - |
| 253 | Public building and related furniture | 280.26 | 283.81 | 291.53 | 291.77 | - | 7.06 | 7.06 | 7.27 | 7.24 | - |
| 254 | Partitions and fixtures | 298.76 | 302.63 | 323.51 | 326.63 | - | 7.70 | 7.74 | 8.19 | 8.29 | - |
| 259 | Miscellaneous furniture and fixtures | 273.31 | 285.93 | 302.85 | 294.67 | - | 6.99 | 7.06 | 7.28 | 7.24 | - |

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|--|----------------------|----------------------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | | - | TOTAL PRIVATE | 35.2 | 35.2 | 35.2 | 35.4 | 35.4 | - | - | - |
| - | MINING | 42.5 | 42.4 | 42.5 | 42.0 | 42.2 | - | - | - | - | - |
| 10 | METAL MINING | 37.8 | 36.7 | 39.7 | 38.8 | - | - | - | - | - | - |
| 101 | Iron ores | 38.7 | 35.7 | 38.9 | 37.9 | - | - | - | - | - | - |
| 102 | Copper ores | 36.4 | 37.0 | 40.0 | 37.9 | - | - | - | - | - | - |
| 11, 12 | COAL MINING | - | 39.2 | 39.6 | - | - | - | - | - | - | - |
| 12 | BITUMINOUS COAL AND LIGNITE MINING | - | 39.2 | 39.7 | - | - | - | - | - | - | - |
| 13 | OIL AND GAS EXTRACTION | 44.2 | 43.9 | 43.5 | 43.2 | - | - | - | - | - | - |
| 131, 2 | Crude petroleum, natural gas, and natural gas liquids | 41.2 | 40.9 | 42.2 | 42.4 | - | - | - | - | - | - |
| 138 | Oil and gas field services | 45.3 | 45.0 | 44.1 | 43.6 | - | - | - | - | - | - |
| 14 | NONMETALLIC MINERALS, EXCEPT FUELS | 44.0 | 43.9 | 44.3 | 44.4 | - | - | - | - | - | - |
| 142 | Crushed and broken stone | 44.9 | 44.5 | 44.7 | 45.0 | - | - | - | - | - | - |
| - | CONSTRUCTION | 38.0 | 37.6 | 37.9 | 38.2 | 37.9 | - | - | - | - | - |
| 15 | GENERAL BUILDING CONTRACTORS | 37.3 | 37.0 | 37.1 | 37.3 | - | - | - | - | - | - |
| 152 | Residential building construction | 37.2 | 36.6 | 36.8 | 36.7 | - | - | - | - | - | - |
| 153 | Operative builders | 38.3 | 38.2 | 40.6 | 40.7 | - | - | - | - | - | - |
| 154 | Nonresidential building construction | 37.3 | 37.2 | 37.2 | 37.7 | - | - | - | - | - | - |
| 16 | HEAVY CONSTRUCTION CONTRACTORS | 41.8 | 41.3 | 41.4 | 41.7 | - | - | - | - | - | - |
| 161 | Highway and street construction | 42.8 | 42.5 | 42.9 | 44.2 | - | - | - | - | - | - |
| 162 | Heavy construction, except highway | 41.4 | 40.7 | 40.7 | 40.5 | - | - | - | - | - | - |
| 17 | SPECIAL TRADE CONTRACTORS | 36.7 | 36.4 | 36.8 | 37.2 | - | - | - | - | - | - |
| 171 | Plumbing, heating, air conditioning | 37.6 | 37.2 | 38.1 | 38.2 | - | - | - | - | - | - |
| 172 | Painting, paper hanging, decorating | 35.5 | 35.0 | 35.7 | 36.0 | - | - | - | - | - | - |
| 173 | Electrical work | 38.5 | 38.4 | 37.5 | 38.1 | - | - | - | - | - | - |
| 174 | Masonry, stonework, and plastering | 34.9 | 34.7 | 35.0 | 35.4 | - | - | - | - | - | - |
| 175 | Carpentering and flooring | 34.2 | 34.2 | 35.5 | 35.2 | - | - | - | - | - | - |
| 176 | Roofing and sheet metal work | 34.5 | 33.7 | 34.9 | 35.8 | - | - | - | - | - | - |
| - | MANUFACTURING | 38.9 | 39.0 | 40.3 | 40.0 | 40.2 | 2.3 | 2.4 | 3.0 | 3.0 | 3.3 |
| 24, 25, 32-39 | DURABLE GOODS | 39.2 | 39.2 | 40.8 | 40.4 | 40.7 | 2.1 | 2.2 | 2.9 | 2.9 | 3.3 |
| 20-23, 26-31 | NONDURABLE GOODS | 38.5 | 38.7 | 39.7 | 39.4 | 39.6 | 2.5 | 2.7 | 3.0 | 3.0 | 3.3 |
| | DURABLE GOODS | | | | | | | | | | |
| 24 | LUMBER AND WOOD PRODUCTS | 38.6 | 38.8 | 40.8 | 40.1 | 40.4 | 2.5 | 2.5 | 3.4 | 3.3 | - |
| 241 | Logging camps and logging contractors | 38.7 | 39.2 | 40.1 | 39.9 | - | 2.9 | 3.3 | 3.6 | 3.5 | - |
| 242 | Sawmills and planing mills | 38.5 | 39.3 | 41.6 | 40.9 | - | 3.1 | 3.1 | 3.9 | 4.0 | - |
| 2421 | Sawmills and planing mills, general | 38.7 | 39.5 | 41.8 | 41.2 | - | 3.3 | 3.4 | 4.0 | 4.2 | - |
| 2426 | Hardwood dimension and flooring | 36.1 | 38.3 | 40.9 | 40.0 | - | 2.0 | 2.0 | 3.3 | 2.9 | - |
| 243 | Millwork, plywood, and structural members | 38.9 | 38.6 | 40.9 | 39.8 | - | 2.3 | 2.2 | 3.4 | 3.3 | - |
| 2431 | Millwork | 40.1 | 38.6 | 41.0 | 39.8 | - | 2.1 | 1.6 | 2.9 | 2.7 | - |
| 2434 | Wood kitchen cabinets | 37.6 | 37.2 | 35.8 | 38.9 | - | 1.5 | 1.6 | 2.7 | 2.7 | - |
| 2435 | Hardwood veneer and plywood | 37.4 | 38.1 | 40.9 | 39.3 | - | 1.9 | 2.2 | 3.6 | 3.1 | - |
| 2436 | Softwood veneer and plywood | 38.4 | 40.2 | 42.1 | 41.0 | - | 3.2 | 3.3 | 4.6 | 4.5 | - |
| 244 | Wood containers | 38.3 | 38.1 | 39.2 | 38.7 | - | 1.9 | 1.9 | 2.3 | 2.1 | - |
| 245 | Wood buildings and mobile homes | 37.7 | 37.0 | 40.1 | 39.7 | - | 1.7 | 1.4 | 3.4 | 2.7 | - |
| 2451 | Mobile homes | 37.8 | 36.8 | 40.4 | 40.1 | - | 1.8 | 1.4 | 3.7 | 2.9 | - |
| 249 | Miscellaneous wood products | 39.0 | 39.0 | 40.3 | 39.7 | - | 2.2 | 2.1 | 2.6 | 2.6 | - |
| 25 | FURNITURE AND FIXTURES | 36.7 | 38.1 | 39.9 | 39.0 | 39.8 | 1.4 | 1.7 | 2.4 | 2.1 | - |
| 251 | Household furniture | 35.7 | 37.4 | 39.7 | 38.6 | - | .9 | 1.4 | 2.2 | 1.8 | - |
| 2511 | Wood household furniture | 35.5 | 37.0 | 39.5 | 38.7 | - | 1.0 | 1.5 | 2.2 | 2.0 | - |
| 2512 | Upholstered household furniture | 34.2 | 36.6 | 39.5 | 37.9 | - | .5 | .8 | 1.7 | 1.0 | - |
| 2514 | Metal household furniture | 39.1 | 39.6 | 40.9 | 39.3 | - | 1.5 | 2.1 | 2.7 | 2.4 | - |
| 2515 | Mattresses and bedsprings | 37.7 | 38.3 | 39.8 | 39.0 | - | 1.4 | 1.9 | 2.5 | 2.3 | - |
| 252 | Office furniture | 37.5 | 38.3 | 40.0 | 39.2 | - | 1.7 | 2.2 | 2.5 | 2.1 | - |
| 253 | Public building and related furniture | 39.7 | 40.2 | 40.1 | 40.3 | - | 2.5 | 3.0 | 2.7 | 3.1 | - |
| 254 | Partitions and fixtures | 38.8 | 39.1 | 39.5 | 39.4 | - | 2.4 | 2.7 | 2.9 | 3.0 | - |
| 259 | Miscellaneous furniture and fixtures | 39.1 | 40.5 | 41.6 | 40.7 | - | 1.7 | 1.6 | 2.7 | 2.4 | - |

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| 32 | STONE, CLAY, AND GLASS PRODUCTS | \$362.56 | \$362.15 | \$390.69 | \$391.35 | \$391.95 | \$8.93 | \$8.92 | \$9.28 | \$9.34 | \$9.31 |
| 321 | Fiat glass | 495.23 | 491.73 | 544.89 | 541.14 | - | 11.68 | 11.68 | 12.30 | 12.44 | - |
| 322 | Glass and glassware, pressed or blown | 383.51 | 381.10 | 409.82 | 410.64 | - | 9.54 | 9.48 | 10.02 | 10.04 | - |
| 3221 | Glass containers | 408.18 | 406.14 | 428.22 | 428.26 | - | 9.98 | 9.93 | 10.47 | 10.42 | - |
| 3229 | Pressed and blown glass, nec | 348.98 | 343.69 | 385.40 | 385.70 | - | 8.88 | 8.79 | 9.40 | 9.50 | - |
| 323 | Products of purchased glass | 317.98 | 324.39 | 311.60 | 319.16 | - | 8.05 | 8.13 | 7.79 | 7.90 | - |
| 324 | Cement, hydraulic | 508.68 | 517.90 | 552.82 | 555.94 | - | 12.56 | 12.54 | 13.10 | 13.30 | - |
| 325 | Structural clay products | 261.71 | 283.69 | 307.33 | 304.63 | - | 7.15 | 7.11 | 7.37 | 7.43 | - |
| 326 | Pottery and related products | 285.35 | 289.06 | 306.85 | 295.62 | - | 7.47 | 7.45 | 7.97 | 7.80 | - |
| 327 | Concrete, gypsum, and plaster products | 371.85 | 368.80 | 402.19 | 402.04 | - | 8.77 | 8.76 | 9.12 | 9.20 | - |
| 3271 | Concrete block and brick | 333.07 | 340.42 | 355.58 | 350.83 | - | 7.71 | 7.79 | 7.68 | 7.66 | - |
| 3272 | Concrete products, nec | 330.54 | 328.32 | 341.12 | 337.30 | - | 7.87 | 7.78 | 7.97 | 8.05 | - |
| 3273 | Ready-mixed concrete | 406.08 | 399.10 | 442.51 | 447.17 | - | 9.60 | 9.64 | 10.08 | 10.14 | - |
| 329 | Misc. nonmetallic mineral products | 341.43 | 342.22 | 378.56 | 382.72 | - | 8.71 | 8.73 | 9.10 | 9.20 | - |
| 3291 | Abrasive products | 321.78 | 316.35 | 356.18 | 356.29 | - | 8.65 | 8.62 | 8.73 | 8.69 | - |
| 3292 | Asbestos products | 356.71 | 365.49 | 390.96 | 394.51 | - | 8.94 | 8.98 | 9.05 | 9.09 | - |
| 33 | PRIMARY METAL INDUSTRIES | 437.36 | 439.68 | 454.82 | 460.08 | 461.76 | 11.36 | 11.48 | 11.23 | 11.36 | 11.29 |
| 331 | Blast furnace and basic steel products | 505.21 | 509.52 | 501.17 | 516.17 | - | 13.26 | 13.66 | 12.72 | 12.84 | - |
| 3312 | Blast furnaces and steel mills | 523.91 | 530.21 | 515.73 | 531.60 | - | 13.86 | 14.33 | 13.19 | 13.29 | - |
| 3317 | Steel pipe and tubes | 411.33 | 400.14 | 425.49 | 422.00 | - | 10.52 | 10.53 | 10.48 | 10.55 | - |
| 332 | Iron and steel foundries | 363.82 | 358.16 | 357.20 | 402.40 | - | 9.78 | 9.68 | 9.93 | 10.01 | - |
| 3321 | Gray iron foundries | 378.13 | 370.36 | 404.19 | 414.28 | - | 10.03 | 9.85 | 10.13 | 10.28 | - |
| 3322 | Malleable iron foundries | 374.26 | 373.69 | 425.17 | 415.24 | - | 10.17 | 10.21 | 10.55 | 10.62 | - |
| 3325 | Steel foundries, nec | 330.37 | 334.87 | 381.52 | 377.06 | - | 9.28 | 9.38 | 9.61 | 9.45 | - |
| 333 | Primary nonferrous metals | 521.48 | 532.11 | 552.59 | 551.08 | - | 12.94 | 13.01 | 13.38 | 13.54 | - |
| 3334 | Primary aluminum | 553.23 | 565.40 | 570.72 | 575.87 | - | 13.66 | 13.69 | 13.92 | 14.08 | - |
| 335 | Nonferrous rolling and drawing | 409.20 | 412.45 | 451.56 | 446.54 | - | 10.23 | 10.26 | 10.65 | 10.76 | - |
| 3351 | Copper rolling and drawing | 366.54 | 377.15 | 403.77 | 398.69 | - | 8.94 | 9.11 | 9.39 | 9.47 | - |
| 3353 | Aluminum sheet, plate, and foil | 547.29 | 545.94 | 574.17 | 591.38 | - | 13.48 | 13.97 | 14.25 | 14.25 | - |
| 3357 | Nonferrous wire drawing and insulating | 368.54 | 371.30 | 416.75 | 410.41 | - | 9.33 | 9.40 | 9.97 | 10.01 | - |
| 336 | Nonferrous foundries | 335.87 | 335.94 | 361.21 | 355.77 | - | 8.59 | 8.57 | 8.81 | 8.85 | - |
| 3361 | Aluminum foundries | 347.50 | 346.33 | 373.92 | 368.83 | - | 8.83 | 8.79 | 9.01 | 9.04 | - |
| 34 | FABRICATED METAL PRODUCTS | 344.27 | 346.04 | 371.69 | 365.42 | 370.78 | 8.85 | 8.85 | 9.11 | 9.09 | 9.11 |
| 341 | Metal cans and shipping containers | 503.96 | 514.61 | 527.74 | 531.22 | - | 11.83 | 11.94 | 12.16 | 12.24 | - |
| 3411 | Metal cans | 528.04 | 539.33 | 553.76 | 561.52 | - | 12.28 | 12.37 | 12.73 | 12.82 | - |
| 342 | Cutlery, hand tools, and hardware | 322.33 | 321.72 | 358.75 | 354.48 | - | 8.46 | 8.40 | 8.88 | 8.84 | - |
| 3423, 5 | Hand and edge tools, and hand saws and blades | 290.90 | 294.78 | 325.94 | 322.26 | - | 7.82 | 7.84 | 8.21 | 8.20 | - |
| 3429 | Hardware, nec | 344.31 | 340.84 | 375.66 | 367.83 | - | 8.92 | 8.83 | 9.23 | 9.15 | - |
| 343 | Plumbing and heating, except electric | 303.69 | 306.12 | 325.62 | 312.73 | - | 7.95 | 7.91 | 8.06 | 8.06 | - |
| 3432 | Plumbing fittings and brass goods | 289.55 | 286.89 | 307.93 | 294.91 | - | 7.56 | 7.53 | 7.66 | 7.68 | - |
| 3433 | Heating equipment, except electric | 306.36 | 313.21 | 325.20 | 311.54 | - | 8.02 | 7.99 | 8.13 | 8.05 | - |
| 344 | Fabricated structural metal products | 335.40 | 341.91 | 352.22 | 347.53 | - | 8.60 | 8.70 | 8.74 | 8.71 | - |
| 3441 | Fabricated structural metal | 360.30 | 364.11 | 376.88 | 374.53 | - | 9.03 | 9.08 | 9.26 | 9.34 | - |
| 3442 | Metal doors, sash, and trim | 256.90 | 264.99 | 276.34 | 269.17 | - | 6.69 | 6.76 | 6.84 | 6.78 | - |
| 3443 | Fabricated plate work (boiler shops) | 372.27 | 381.60 | 398.78 | 392.83 | - | 9.57 | 9.71 | 9.92 | 9.87 | - |
| 3444 | Sheet metal work | 345.54 | 343.93 | 356.31 | 352.52 | - | 8.86 | 8.98 | 8.93 | 8.97 | - |
| 3446 | Architectural metal work | 322.62 | 342.95 | 358.83 | 350.78 | - | 8.23 | 8.51 | 8.86 | 8.64 | - |
| 345 | Screw machine products, bolts, etc. | 312.19 | 313.78 | 344.73 | 345.51 | - | 8.13 | 8.15 | 8.47 | 8.51 | - |
| 3451 | Screw machine products | 285.38 | 289.54 | 314.36 | 310.07 | - | 7.51 | 7.54 | 7.82 | 7.83 | - |
| 3452 | Bolts, nuts, rivets, and washers | 339.21 | 336.59 | 375.83 | 382.81 | - | 8.72 | 8.72 | 9.10 | 9.18 | - |
| 346 | Metal forgings and stampings | 392.27 | 390.25 | 442.47 | 424.13 | - | 10.11 | 9.93 | 10.51 | 10.37 | - |
| 3462 | Iron and steel forgings | 405.45 | 421.13 | 469.34 | 447.54 | - | 10.87 | 10.91 | 11.56 | 11.33 | - |
| 3465 | Automotive stampings | 476.24 | 465.23 | 543.75 | 521.79 | - | 11.73 | 11.66 | 12.33 | 12.22 | - |
| 3469 | Metal stampings, nec | 300.80 | 309.67 | 328.84 | 317.15 | - | 8.00 | 7.92 | 8.18 | 8.07 | - |
| 347 | Metal services, nec | 273.08 | 273.39 | 288.80 | 290.87 | - | 7.02 | 7.01 | 7.22 | 7.29 | - |
| 3471 | Plating and polishing | 269.58 | 268.41 | 282.49 | 286.88 | - | 6.93 | 6.90 | 7.08 | 7.19 | - |
| 3479 | Metal coating and allied services | 281.97 | 285.04 | 304.36 | 300.49 | - | 7.23 | 7.29 | 7.59 | 7.55 | - |
| 348 | Ordinance and accessories, nec | 356.18 | 359.33 | 381.78 | 380.40 | - | 9.04 | 9.12 | 9.45 | 9.51 | - |
| 3483 | Ammunition, exc. for small arms, nec | 326.88 | 330.91 | 364.50 | 361.60 | - | 8.36 | 8.42 | 9.00 | 9.04 | - |
| 349 | Misc. fabricated metal products | 316.23 | 318.21 | 340.00 | 333.98 | - | 8.30 | 8.33 | 8.50 | 8.52 | - |
| 3494 | Valves and pipe fittings | 334.15 | 336.04 | 353.99 | 353.86 | - | 8.84 | 8.89 | 9.10 | 9.12 | - |
| 3496 | Misc. fabricated wire products | 278.46 | 282.36 | 308.66 | 297.08 | - | 7.14 | 7.24 | 7.51 | 7.54 | - |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 365.34 | 364.26 | 388.09 | 388.33 | 388.40 | 9.32 | 9.34 | 9.63 | 9.66 | 9.59 |
| 351 | Engines and turbines | 447.27 | 451.58 | 464.51 | 485.55 | - | 11.41 | 11.52 | 11.88 | 11.93 | - |
| 3511 | Turbines and turbine generator sets | 422.28 | 445.20 | 425.99 | 437.39 | - | 10.80 | 11.13 | 11.39 | 11.46 | - |
| 3519 | Internal combustion engines, nec | 459.81 | 453.95 | 481.18 | 507.41 | - | 11.70 | 11.73 | 12.09 | 12.11 | - |
| 352 | Farm and garden machinery | 413.95 | 394.63 | 418.48 | 406.64 | - | 10.56 | 10.44 | 10.41 | 10.40 | - |
| 3523 | Farm machinery and equipment | 426.80 | 405.75 | 438.29 | 427.36 | - | 10.86 | 10.82 | 10.93 | 10.93 | - |
| 353 | Construction and related machinery | 379.50 | 393.86 | 418.00 | 411.86 | - | 10.12 | 10.23 | 10.45 | 10.48 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| 32 | STONE, CLAY, AND GLASS PRODUCTS | 40.6 | 40.6 | 42.1 | 41.9 | 42.1 | 3.8 | 3.8 | 4.4 | 4.6 | - |
| 321 | Flat glass | 42.4 | 42.1 | 44.3 | 43.5 | - | 3.7 | 3.9 | 5.1 | 5.6 | - |
| 322 | Glass and glassware, pressed or blown | 40.2 | 40.2 | 40.9 | 40.9 | - | 4.1 | 4.1 | 4.0 | 4.1 | - |
| 3221 | Glass containers | 40.9 | 40.9 | 40.9 | 41.1 | - | 4.8 | 4.8 | 4.7 | 4.8 | - |
| 3229 | Pressed and blown glass, nec | 39.3 | 39.1 | 41.0 | 40.6 | - | 3.1 | 3.0 | 3.0 | 3.1 | - |
| 323 | Products of purchased glass | 39.5 | 39.9 | 40.0 | 40.4 | - | 2.7 | 2.9 | 2.4 | 3.2 | - |
| 324 | Cement, hydraulic | 40.5 | 41.3 | 42.2 | 41.8 | - | 2.4 | 2.7 | 3.0 | 3.1 | - |
| 325 | Structural clay products | 39.4 | 39.9 | 41.7 | 41.0 | - | 2.5 | 2.5 | 3.6 | 3.7 | - |
| 326 | Pottery and related products | 38.2 | 38.8 | 38.5 | 37.9 | - | 1.4 | 1.6 | 1.6 | 1.7 | - |
| 327 | Concrete, gypsum, and plaster products | 42.4 | 42.1 | 44.1 | 43.7 | - | 5.5 | 5.5 | 6.5 | 6.6 | - |
| 3271 | Concrete block and brick | 43.2 | 43.7 | 46.3 | 45.8 | - | 5.3 | 5.7 | 8.0 | 7.5 | - |
| 3272 | Concrete products, nec | 42.0 | 42.2 | 42.8 | 41.9 | - | 4.8 | 4.9 | 4.8 | 4.9 | - |
| 3273 | Ready-mixed concrete | 42.3 | 41.4 | 43.9 | 44.1 | - | 6.1 | 5.9 | 7.1 | 7.2 | - |
| 329 | Misc. nonmetallic mineral products | 39.2 | 39.2 | 41.6 | 41.6 | - | 2.4 | 2.5 | 3.3 | 3.4 | - |
| 3291 | Abrasive products | 37.2 | 36.7 | 40.8 | 41.0 | - | 1.2 | 1.2 | 2.5 | 2.8 | - |
| 3292 | Asbestos products | 39.9 | 40.7 | 43.2 | 43.4 | - | 2.6 | 2.7 | 3.7 | 4.0 | - |
| 33 | PRIMARY METAL INDUSTRIES | 38.5 | 38.3 | 40.5 | 40.5 | 40.9 | 2.0 | 2.0 | 2.9 | 3.1 | - |
| 331 | Blast furnace and basic steel products | 38.1 | 37.3 | 39.4 | 40.2 | - | 1.5 | 1.5 | 2.2 | 2.7 | - |
| 3312 | Blast furnaces and steel mills | 37.8 | 37.0 | 39.1 | 40.0 | - | 1.4 | 1.4 | 2.1 | 2.7 | - |
| 3317 | Steel pipe and tubes | 39.1 | 38.0 | 40.6 | 40.0 | - | 2.4 | 2.0 | 2.7 | 2.8 | - |
| 332 | Iron and steel foundries | 37.2 | 37.0 | 40.0 | 40.2 | - | 2.0 | 1.9 | 2.6 | 2.8 | - |
| 3321 | Gray iron foundries | 37.7 | 37.5 | 39.9 | 40.3 | - | 2.6 | 2.3 | 2.8 | 3.2 | - |
| 3322 | Malleable iron foundries | 36.8 | 36.6 | 40.3 | 39.1 | - | 1.3 | 1.3 | 2.4 | 2.6 | - |
| 3325 | Steel foundries, nec | 35.6 | 35.7 | 39.7 | 39.9 | - | .9 | 1.1 | 1.9 | 1.6 | - |
| 333 | Primary nonferrous metals | 40.3 | 40.9 | 41.3 | 40.7 | - | 2.7 | 2.6 | 2.9 | 3.1 | - |
| 3334 | Primary aluminum | 40.5 | 41.3 | 41.0 | 40.9 | - | 3.2 | 2.9 | 2.9 | 3.6 | - |
| 335 | Nonferrous rolling and drawing | 40.0 | 40.2 | 42.4 | 41.5 | - | 2.9 | 3.1 | 4.4 | 4.1 | - |
| 3351 | Copper rolling and drawing | 41.0 | 41.4 | 43.0 | 42.1 | - | 2.7 | 3.5 | 3.7 | 3.5 | - |
| 3353 | Aluminum sheet, plate and foil | 40.6 | 40.5 | 41.1 | 41.5 | - | 4.6 | 4.4 | 5.9 | 6.1 | - |
| 3357 | Nonferrous wire drawing and insulating | 39.5 | 39.5 | 41.8 | 41.0 | - | 2.5 | 2.6 | 3.7 | 3.6 | - |
| 336 | Nonferrous foundries | 39.1 | 39.2 | 41.0 | 40.2 | - | 2.0 | 2.0 | 3.3 | 3.0 | - |
| 3361 | Aluminum foundries | 39.4 | 39.4 | 41.5 | 40.8 | - | 2.0 | 2.0 | 3.4 | 3.2 | - |
| 34 | FABRICATED METAL PRODUCTS | 38.9 | 39.1 | 40.8 | 40.2 | 40.7 | 1.9 | 2.0 | 2.9 | 2.8 | - |
| 341 | Metal cans and shipping containers | 42.6 | 43.1 | 43.4 | 43.4 | - | 4.4 | 4.8 | 5.0 | 5.3 | - |
| 3411 | Metal cans | 43.0 | 43.6 | 43.5 | 43.8 | - | 4.5 | 5.2 | 5.0 | 5.7 | - |
| 342 | Cutlery, hand tools, and hardware | 38.1 | 38.3 | 40.4 | 40.1 | - | 1.4 | 1.3 | 2.6 | 2.5 | - |
| 3423, 5 | Hand and edge tools, and hand saws and blades | 37.2 | 37.6 | 39.7 | 39.3 | - | .9 | .9 | 1.7 | 1.6 | - |
| 3429 | Hardware, nec | 38.6 | 38.6 | 40.7 | 40.2 | - | 1.6 | 1.3 | 3.1 | 3.0 | - |
| 343 | Plumbing and heating, except electric | 38.2 | 38.7 | 40.4 | 38.8 | - | .8 | 1.2 | 2.2 | 1.6 | - |
| 3432 | Plumbing fittings and brass goods | 38.3 | 38.1 | 40.2 | 38.4 | - | .9 | .8 | 2.1 | 1.7 | - |
| 3433 | Heating equipment, except electric | 38.2 | 39.2 | 40.0 | 38.7 | - | .8 | 1.4 | 1.5 | 1.1 | - |
| 344 | Fabricated structural metal products | 39.0 | 39.3 | 40.3 | 39.9 | - | 2.0 | 2.2 | 2.7 | 2.6 | - |
| 3441 | Fabricated structural metal | 39.9 | 40.1 | 40.7 | 40.1 | - | 2.7 | 2.8 | 2.9 | 3.0 | - |
| 3442 | Metal doors, sash, and trim | 38.4 | 39.2 | 40.4 | 39.7 | - | 1.7 | 2.2 | 3.0 | 2.6 | - |
| 3443 | Fabricated plate work (boiler shops) | 38.9 | 39.3 | 40.2 | 39.8 | - | 1.8 | 2.1 | 2.3 | 2.5 | - |
| 3444 | Sheet metal work | 39.0 | 38.3 | 39.9 | 39.3 | - | 1.9 | 1.7 | 2.5 | 2.5 | - |
| 3446 | Architectural metal work | 39.2 | 40.3 | 40.5 | 40.6 | - | 2.1 | 2.6 | 2.9 | 1.4 | - |
| 345 | Screw machine products, bolts, etc. | 38.4 | 38.5 | 40.7 | 40.6 | - | 1.5 | 1.6 | 2.8 | 2.8 | - |
| 3451 | Screw machine products | 38.0 | 38.4 | 40.2 | 39.6 | - | 1.2 | 1.5 | 2.5 | 2.1 | - |
| 3452 | Bolts, nuts, rivets, and washers | 38.9 | 38.6 | 41.3 | 41.7 | - | 1.7 | 1.7 | 3.2 | 3.4 | - |
| 346 | Metal forgings and stampings | 38.8 | 39.3 | 42.1 | 40.9 | - | 2.3 | 2.0 | 4.0 | 3.4 | - |
| 3462 | Iron and steel forgings | 37.3 | 38.6 | 40.6 | 39.5 | - | 1.7 | 1.8 | 3.2 | 2.4 | - |
| 3465 | Automotive stampings | 40.6 | 39.9 | 44.1 | 42.7 | - | 3.2 | 2.4 | 5.6 | 4.7 | - |
| 3469 | Metal stampings, nec | 37.6 | 39.1 | 40.2 | 39.3 | - | 1.7 | 1.7 | 2.7 | 2.6 | - |
| 347 | Metal services, nec | 38.9 | 39.0 | 40.0 | 39.9 | - | 2.3 | 2.3 | 3.1 | 3.1 | - |
| 3471 | Plating and polishing | 38.9 | 38.9 | 39.9 | 39.9 | - | 2.1 | 2.2 | 3.1 | 3.0 | - |
| 3479 | Metal coating and allied services | 39.0 | 39.1 | 40.1 | 39.8 | - | 2.7 | 2.6 | 3.3 | 3.4 | - |
| 348 | Ordnance and accessories, nec | 39.4 | 39.4 | 40.4 | 40.0 | - | 1.9 | 2.0 | 1.9 | 2.1 | - |
| 3483 | Ammunition, exc. for small arms, nec | 39.1 | 39.3 | 40.5 | 40.0 | - | 1.4 | 1.8 | 1.2 | 1.1 | - |
| 349 | Misc. fabricated metal products | 38.1 | 38.2 | 40.0 | 39.2 | - | 1.3 | 1.6 | 2.2 | 1.8 | - |
| 3494 | Valves and pipe fittings | 37.8 | 37.8 | 38.9 | 38.8 | - | 1.1 | 1.4 | 1.9 | 1.8 | - |
| 3498 | Misc. fabricated wire products | 39.0 | 39.0 | 41.1 | 39.4 | - | 1.4 | 1.6 | 2.4 | 1.9 | - |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 39.2 | 39.0 | 40.3 | 40.2 | 40.5 | 2.0 | 1.9 | 2.5 | 2.5 | - |
| 351 | Engines and turbines | 39.2 | 39.2 | 39.1 | 40.7 | - | 1.4 | 1.6 | 2.0 | 2.0 | - |
| 3511 | Turbines and turbine generator sets | 39.1 | 40.0 | 37.4 | 38.1 | - | 2.7 | 3.0 | 2.4 | 2.8 | - |
| 3519 | Internal combustion engines, nec | 39.3 | 38.7 | 39.8 | 41.9 | - | .8 | .8 | 1.8 | 1.6 | - |
| 352 | Farm and garden machinery | 39.2 | 37.8 | 40.2 | 39.1 | - | 1.7 | 1.7 | 2.3 | 1.9 | - |
| 3523 | Farm machinery and equipment | 39.3 | 37.5 | 40.1 | 39.1 | - | 1.8 | 1.8 | 2.5 | 2.1 | - |
| 353 | Construction and related machinery | 37.5 | 38.5 | 40.0 | 39.3 | - | 1.5 | 1.6 | 2.0 | 1.9 | - |

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

| 1972 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|--|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | MACHINERY, EXCEPT ELECTRICAL—Continued | | | | | | | | | | |
| 3531 | Construction machinery | \$393.40 | \$437.00 | \$466.58 | \$456.80 | - | \$11.24 | \$11.41 | \$11.38 | \$11.42 | - |
| 3532 | Mining machinery | 382.95 | 386.14 | 426.02 | 433.35 | - | 10.35 | 10.38 | 10.98 | 11.14 | - |
| 3533 | Oil field machinery | 397.60 | 391.78 | 416.33 | 408.18 | - | 9.99 | 10.02 | 10.54 | 10.52 | - |
| 3535 | Conveyers and conveying equipment | 343.26 | 357.87 | 347.60 | 357.70 | - | 8.69 | 9.06 | 8.80 | 9.01 | - |
| 3537 | Industrial trucks and tractors | 303.10 | 321.71 | 363.09 | 355.36 | - | 8.66 | 8.79 | 9.31 | 9.23 | - |
| 354 | Metalworking machinery | 378.24 | 374.79 | 393.16 | 394.54 | - | 9.60 | 9.61 | 9.78 | 9.79 | - |
| 3541 | Machine tools, metal cutting types | 382.57 | 371.57 | 377.72 | 385.50 | - | 9.86 | 9.83 | 9.94 | 9.91 | - |
| 3542 | Machine tools, metal forming types | 374.98 | 369.89 | 384.25 | 394.72 | - | 10.08 | 9.97 | 10.47 | 10.47 | - |
| 3544 | Special dies, tools, jigs, and fixtures | 411.07 | 407.23 | 430.56 | 426.21 | - | 10.10 | 10.13 | 10.40 | 10.37 | - |
| 3545 | Machine tool accessories | 329.75 | 327.62 | 354.62 | 365.12 | - | 8.77 | 8.76 | 8.91 | 9.06 | - |
| 3546 | Power driven hand tools | 297.92 | 301.75 | 307.65 | 303.00 | - | 7.60 | 7.62 | 7.73 | 7.71 | - |
| 355 | Special industry machinery | 351.51 | 352.02 | 378.39 | 374.80 | - | 8.99 | 8.98 | 9.32 | 9.37 | - |
| 3551 | Food products machinery | 369.86 | 368.42 | 392.60 | 395.85 | - | 9.34 | 9.28 | 9.67 | 9.75 | - |
| 3552 | Textile machinery | 273.08 | 269.14 | 298.33 | 290.94 | - | 7.13 | 7.12 | 7.33 | 7.31 | - |
| 3555 | Printing trades machinery | 365.63 | 364.26 | 390.91 | 393.41 | - | 9.28 | 9.34 | 9.70 | 9.86 | - |
| 356 | General industrial machinery | 355.74 | 357.44 | 382.85 | 378.40 | - | 9.24 | 9.26 | 9.50 | 9.46 | - |
| 3561 | Pumps and pumping equipment | 356.45 | 360.62 | 395.79 | 390.25 | - | 9.48 | 9.49 | 9.87 | 9.93 | - |
| 3562 | Ball and roller bearings | 346.63 | 356.61 | 396.16 | 382.03 | - | 8.98 | 8.96 | 9.41 | 9.25 | - |
| 3563 | Air and gas compressors | 351.95 | 400.57 | 401.15 | 378.62 | - | 10.05 | 10.10 | 10.13 | 9.99 | - |
| 3564 | Blowers and fans | 345.37 | 342.14 | 355.45 | 355.20 | - | 8.57 | 8.64 | 8.82 | 8.88 | - |
| 3566 | Speed changers, drives, and gears | 371.88 | 352.80 | 383.13 | 391.04 | - | 9.97 | 9.91 | 9.90 | 9.95 | - |
| 3568 | Power transmission equipment, nec | 329.49 | 325.25 | 366.60 | 374.86 | - | 8.81 | 8.96 | 9.40 | 9.49 | - |
| 357 | Office and computing machines | 323.54 | 323.58 | 349.35 | 354.32 | - | 7.93 | 7.97 | 8.50 | 8.60 | - |
| 3573 | Electronic computing equipment | 320.62 | 322.70 | 349.81 | 353.56 | - | 7.82 | 7.89 | 8.47 | 8.54 | - |
| 358 | Refrigeration and service machinery | 348.40 | 341.82 | 371.79 | 373.01 | - | 8.71 | 8.72 | 9.18 | 9.21 | - |
| 3585 | Refrigeration and heating equipment | 361.49 | 354.60 | 387.45 | 388.82 | - | 8.97 | 9.00 | 9.45 | 9.53 | - |
| 359 | Misc. machinery, except electrical | 351.12 | 348.81 | 378.00 | 379.45 | - | 8.98 | 8.99 | 9.45 | 9.51 | - |
| 3592 | Carburetors, pistons, rings, valves | 402.74 | 397.19 | 454.78 | 450.46 | - | 10.38 | 10.29 | 10.88 | 10.96 | - |
| 3599 | Machinery, except electrical, nec | 343.78 | 341.54 | 364.84 | 368.55 | - | 8.77 | 8.78 | 9.19 | 9.26 | - |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 321.79 | 324.53 | 350.38 | 349.80 | \$348.75 | 8.23 | 8.30 | 8.63 | 8.68 | \$8.59 |
| 361 | Electric distributing equipment | 305.98 | 317.24 | 331.06 | 327.21 | - | 8.01 | 8.24 | 8.36 | 8.39 | - |
| 3612 | Transformers | 303.41 | 320.35 | 328.78 | 331.45 | - | 7.84 | 8.11 | 8.24 | 8.37 | - |
| 3613 | Switchgear and switchboard apparatus | 308.45 | 313.96 | 332.09 | 324.24 | - | 8.16 | 8.35 | 8.45 | 8.40 | - |
| 362 | Electrical industrial apparatus | 320.64 | 318.82 | 350.61 | 350.00 | - | 8.35 | 8.39 | 8.70 | 8.75 | - |
| 3621 | Motors and generators | 332.69 | 327.27 | 356.70 | 356.24 | - | 8.38 | 8.37 | 8.70 | 8.71 | - |
| 3622 | Industrial controls | 298.28 | 305.78 | 334.90 | 331.87 | - | 8.04 | 8.22 | 8.50 | 8.62 | - |
| 363 | Household appliances | 305.10 | 307.62 | 334.96 | 339.47 | - | 8.05 | 7.99 | 8.48 | 8.66 | - |
| 3632 | Household refrigerators and freezers | 374.14 | 371.20 | 377.62 | 389.94 | - | 9.17 | 9.28 | 9.56 | 9.70 | - |
| 3633 | Household laundry equipment | 359.10 | 366.82 | 396.93 | 406.98 | - | 9.50 | 9.73 | 10.10 | 10.20 | - |
| 3634 | Electric housewares and fans | 228.42 | 243.07 | 261.49 | 253.72 | - | 6.31 | 6.33 | 6.62 | 6.59 | - |
| 364 | Electric lighting and wiring equipment | 300.70 | 306.54 | 331.28 | 330.89 | - | 7.77 | 7.82 | 8.08 | 8.15 | - |
| 3641 | Electric lamps | 335.01 | 358.18 | 387.60 | 383.36 | - | 8.59 | 8.91 | 9.12 | 9.26 | - |
| 3643 | Current-carrying wiring devices | 286.26 | 282.08 | 306.41 | 311.54 | - | 7.34 | 7.27 | 7.51 | 7.58 | - |
| 3644 | Noncurrent-carrying wiring devices | 302.64 | 299.00 | 329.91 | 333.56 | - | 7.80 | 7.91 | 8.31 | 8.36 | - |
| 3645 | Residential lighting fixtures | 221.68 | 234.14 | 256.37 | 247.27 | - | 6.09 | 6.05 | 6.33 | 6.26 | - |
| 365 | Radio and TV receiving equipment | 311.24 | 303.79 | 327.58 | 327.76 | - | 7.96 | 7.73 | 8.21 | 8.34 | - |
| 3651 | Radio and TV receiving sets | 319.09 | 310.06 | 341.74 | 341.09 | - | 8.14 | 7.93 | 8.48 | 8.57 | - |
| 366 | Communication equipment | 381.84 | 389.06 | 417.18 | 422.91 | - | 9.57 | 9.80 | 10.25 | 10.34 | - |
| 3661 | Telephone and telegraph apparatus | 381.00 | 404.32 | 420.25 | 424.36 | - | 9.67 | 10.21 | 10.25 | 10.30 | - |
| 3662 | Radio and TV communication equipment | 382.70 | 381.28 | 416.15 | 422.69 | - | 9.52 | 9.58 | 10.25 | 10.36 | - |
| 367 | Electronic components and accessories | 283.29 | 283.02 | 309.14 | 304.91 | - | 7.19 | 7.22 | 7.54 | 7.51 | - |
| 3671-3 | Electronic tubes | 366.38 | 358.54 | 355.11 | 398.47 | - | 8.98 | 9.10 | 9.59 | 9.51 | - |
| 3674 | Semiconductors and related devices | 321.14 | 324.35 | 356.90 | 346.36 | - | 8.13 | 8.17 | 8.60 | 8.51 | - |
| 3678 | Electronic components, nec | 265.99 | 265.44 | 284.38 | 282.17 | - | 6.70 | 6.72 | 6.97 | 6.95 | - |
| 369 | Misc. electrical equipment and supplies | 349.87 | 353.82 | 386.46 | 380.66 | - | 8.88 | 8.89 | 9.38 | 9.33 | - |
| 3691 | Storage batteries | 354.05 | 377.46 | 387.53 | 390.57 | - | 9.22 | 9.39 | 9.64 | 9.74 | - |
| 3694 | Engine electrical equipment | 365.33 | 367.70 | 431.00 | 406.23 | - | 9.44 | 9.38 | 10.07 | 9.86 | - |
| 37 | TRANSPORTATION EQUIPMENT | 456.75 | 446.80 | 491.95 | 483.81 | 483.72 | 11.25 | 11.17 | 11.63 | 11.63 | 11.60 |
| 371 | Motor vehicles and equipment | 490.23 | 462.53 | 533.72 | 517.02 | - | 11.87 | 11.68 | 12.13 | 12.08 | - |
| 3711 | Motor vehicles and car bodies | 550.15 | 504.15 | 590.52 | 565.78 | - | 13.13 | 13.13 | 13.33 | 13.25 | - |
| 3713 | Truck and bus bodies | 364.91 | 340.81 | 355.59 | 360.19 | - | 9.10 | 8.65 | 8.78 | 8.96 | - |
| 3714 | Motor vehicle parts and accessories | 462.38 | 449.74 | 510.95 | 500.84 | - | 11.25 | 11.05 | 11.56 | 11.54 | - |
| 3715 | Truck trailers | 297.56 | 308.03 | 356.34 | 348.39 | - | 8.13 | 7.98 | 8.67 | 8.56 | - |
| 372 | Aircraft and parts | 452.48 | 460.00 | 479.40 | 482.33 | - | 11.20 | 11.33 | 11.75 | 11.88 | - |
| 3721 | Aircraft | 474.30 | 487.56 | 506.66 | 505.66 | - | 11.74 | 11.95 | 12.51 | 12.61 | - |
| 3724 | Aircraft engines and engine parts | 446.88 | 454.58 | 457.60 | 473.89 | - | 11.20 | 11.28 | 11.44 | 11.73 | - |
| 3728 | Aircraft equipment, nec | 418.00 | 415.34 | 452.81 | 451.68 | - | 10.22 | 10.23 | 10.73 | 10.78 | - |
| 373 | Ship and boat building and repairing | 386.50 | 393.41 | 392.43 | 393.81 | - | 9.76 | 9.86 | 9.86 | 9.87 | - |
| 3731 | Shipbuilding and repairing | 403.75 | 413.20 | 422.54 | 423.71 | - | 10.17 | 10.33 | 10.59 | 10.54 | - |
| 3732 | Boat building and repairing | 310.85 | 305.73 | 302.15 | 296.43 | - | 7.95 | 7.74 | 7.63 | 7.64 | - |
| 374 | Railroad equipment | 422.98 | 427.90 | 461.38 | 466.07 | - | 11.34 | 11.35 | 11.74 | 11.92 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | MACHINERY, EXCEPT ELECTRICAL—Continued | | | | | | | | | | |
| 3531 | Construction machinery | 35.0 | 38.3 | 41.0 | 40.0 | - | 0.9 | 0.9 | 2.1 | 2.0 | - |
| 3532 | Mining machinery | 37.0 | 37.2 | 38.8 | 38.9 | - | .9 | 1.1 | 1.0 | 1.2 | - |
| 3533 | Oil field machinery | 39.8 | 39.1 | 39.5 | 38.8 | - | 2.2 | 2.2 | 2.3 | 1.8 | - |
| 3535 | Conveyers and conveying equipment | 39.5 | 39.5 | 39.5 | 39.7 | - | 1.9 | 2.4 | 2.0 | 2.3 | - |
| 3537 | Industrial trucks and tractors | 35.0 | 36.6 | 39.0 | 38.5 | - | .8 | .9 | 2.2 | 2.5 | - |
| 354 | Metalworking machinery | 39.4 | 39.0 | 40.2 | 40.3 | - | 2.4 | 2.5 | 2.9 | 3.0 | - |
| 3541 | Machine tools, metal cutting types | 38.8 | 37.8 | 38.0 | 38.9 | - | 2.0 | 1.5 | 1.2 | 1.6 | - |
| 3542 | Machine tools, metal forming types | 37.2 | 37.1 | 36.7 | 37.7 | - | 1.1 | 1.0 | 2.0 | 2.4 | - |
| 3544 | Special dies, tools, jigs, and fixtures | 40.7 | 40.2 | 41.4 | 41.1 | - | 3.4 | 3.6 | 3.9 | 3.8 | - |
| 3545 | Machine tool accessories | 37.6 | 37.4 | 35.8 | 40.3 | - | 1.3 | 1.2 | 2.3 | 2.6 | - |
| 3546 | Power driven hand tools | 39.2 | 39.6 | 39.6 | 39.3 | - | 1.5 | 2.3 | 2.5 | 2.5 | - |
| 355 | Special industry machinery | 39.1 | 39.2 | 40.6 | 40.0 | - | 2.0 | 1.9 | 2.5 | 2.5 | - |
| 3551 | Food products machinery | 39.6 | 39.7 | 40.6 | 40.6 | - | 2.3 | 2.0 | 2.2 | 2.4 | - |
| 3552 | Textile machinery | 38.3 | 37.8 | 40.7 | 39.8 | - | .9 | 1.0 | 2.1 | 1.8 | - |
| 3555 | Printing trades machinery | 39.4 | 39.0 | 40.3 | 39.9 | - | 2.4 | 2.1 | 3.0 | 3.1 | - |
| 356 | General industrial machinery | 38.5 | 38.6 | 40.3 | 40.0 | - | 1.7 | 1.5 | 2.4 | 2.3 | - |
| 3561 | Pumps and pumping equipment | 37.6 | 38.0 | 40.1 | 39.3 | - | 1.2 | 1.1 | 1.8 | 2.0 | - |
| 3562 | Ball and roller bearings | 38.6 | 39.8 | 42.1 | 41.3 | - | 2.1 | 1.9 | 3.4 | 2.8 | - |
| 3563 | Air and gas compressors | 39.0 | 39.7 | 39.6 | 37.9 | - | 2.5 | 2.4 | 1.6 | 1.5 | - |
| 3564 | Blowers and fans | 40.3 | 39.6 | 40.3 | 40.0 | - | 2.2 | 1.7 | 2.0 | 2.3 | - |
| 3566 | Speed changers, drives, and gears | 37.3 | 35.6 | 38.7 | 39.3 | - | .9 | .7 | 2.0 | 1.9 | - |
| 3568 | Power transmission equipment, nec | 37.4 | 36.3 | 39.0 | 39.5 | - | 1.3 | 1.3 | 2.1 | 2.0 | - |
| 357 | Office and computing machines | 40.8 | 40.6 | 41.1 | 41.2 | - | 2.0 | 2.0 | 2.4 | 2.4 | - |
| 3573 | Electronic computing equipment | 41.0 | 40.9 | 41.3 | 41.4 | - | 2.2 | 2.2 | 2.6 | 2.6 | - |
| 358 | Refrigeration and service machinery | 40.0 | 39.2 | 40.5 | 40.5 | - | 2.0 | 1.7 | 2.5 | 2.6 | - |
| 3585 | Refrigeration and heating equipment | 40.3 | 39.4 | 41.0 | 40.8 | - | 2.0 | 1.7 | 2.6 | 2.8 | - |
| 359 | Misc. machinery, except electrical | 39.1 | 38.8 | 40.0 | 39.9 | - | 2.3 | 2.1 | 2.7 | 2.8 | - |
| 3592 | Carburetors, pistons, rings, valves | 38.8 | 38.6 | 41.8 | 41.1 | - | 1.9 | 1.4 | 3.4 | 3.5 | - |
| 3599 | Machinery, except electrical, nec | 39.2 | 38.9 | 39.7 | 39.8 | - | 2.3 | 2.2 | 2.6 | 2.7 | - |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 39.1 | 39.1 | 40.6 | 40.3 | 40.6 | 1.7 | 1.8 | 2.5 | 2.5 | - |
| 361 | Electric distributing equipment | 38.2 | 38.5 | 39.6 | 39.0 | - | 1.4 | 1.7 | 2.2 | 1.8 | - |
| 3612 | Transformers | 38.7 | 39.5 | 39.9 | 39.6 | - | 1.6 | 2.1 | 2.5 | 2.0 | - |
| 3613 | Switchgear and switchboard apparatus | 37.8 | 37.6 | 39.3 | 38.6 | - | 1.3 | 1.4 | 2.0 | 1.6 | - |
| 362 | Electrical industrial apparatus | 38.4 | 38.0 | 40.3 | 40.0 | - | 1.7 | 1.4 | 2.5 | 2.6 | - |
| 3621 | Motors and generators | 39.7 | 39.1 | 41.0 | 40.9 | - | 2.2 | 1.6 | 2.8 | 3.1 | - |
| 3622 | Industrial controls | 37.1 | 37.2 | 39.4 | 38.5 | - | 1.1 | 1.2 | 2.2 | 1.6 | - |
| 363 | Household appliances | 37.9 | 38.5 | 39.5 | 39.2 | - | 1.3 | 1.5 | 1.7 | 1.9 | - |
| 3632 | Household refrigerators and freezers | 40.8 | 40.0 | 39.5 | 40.2 | - | 1.8 | 1.7 | 1.5 | 1.5 | - |
| 3633 | Household laundry equipment | 37.8 | 37.7 | 39.3 | 39.9 | - | .5 | .6 | 1.5 | 2.7 | - |
| 3634 | Electric housewares and fans | 36.2 | 38.4 | 39.5 | 38.5 | - | 1.2 | 1.8 | 1.8 | 1.5 | - |
| 364 | Electric lighting and wiring equipment | 38.7 | 39.2 | 41.0 | 40.6 | - | 1.5 | 1.7 | 2.8 | 2.4 | - |
| 3641 | Electric lamps | 39.0 | 40.2 | 42.5 | 41.4 | - | 1.0 | 1.6 | 2.7 | 1.6 | - |
| 3643 | Current-carrying wiring devices | 39.0 | 38.8 | 40.8 | 41.1 | - | 2.1 | 1.7 | 2.8 | 3.0 | - |
| 3644 | Noncurrent-carrying wiring devices | 38.8 | 37.8 | 39.7 | 39.9 | - | .9 | 1.3 | 1.9 | 1.7 | - |
| 3645 | Residential lighting fixtures | 36.4 | 38.7 | 40.5 | 39.5 | - | .7 | 1.5 | 2.0 | 1.4 | - |
| 365 | Radio and TV receiving equipment | 39.1 | 39.3 | 39.9 | 39.3 | - | 1.6 | 1.3 | 2.2 | 2.3 | - |
| 3651 | Radio and TV receiving sets | 39.2 | 39.1 | 40.3 | 39.8 | - | 1.6 | 1.3 | 2.5 | 2.6 | - |
| 366 | Communication equipment | 39.9 | 39.7 | 40.7 | 40.9 | - | 1.9 | 2.0 | 2.2 | 2.4 | - |
| 3661 | Telephone and telegraph apparatus | 39.4 | 39.6 | 41.0 | 41.2 | - | 1.4 | 1.8 | 2.6 | 2.9 | - |
| 3662 | Radio and TV communication equipment | 40.2 | 39.8 | 40.6 | 40.8 | - | 2.1 | 2.0 | 2.0 | 2.1 | - |
| 367 | Electronic components and accessories | 39.4 | 39.2 | 41.0 | 40.6 | - | 2.1 | 2.0 | 2.8 | 2.8 | - |
| 3671-3 | Electronic tubes | 40.8 | 39.4 | 41.2 | 41.9 | - | 1.7 | 1.9 | 2.0 | 2.1 | - |
| 3674 | Semiconductors and related devices | 39.5 | 39.7 | 41.5 | 40.7 | - | 2.4 | 2.4 | 3.4 | 3.2 | - |
| 3679 | Electronic components, nec | 39.7 | 39.5 | 40.8 | 40.6 | - | 2.1 | 1.9 | 2.8 | 2.8 | - |
| 369 | Misc. electrical equipment and supplies | 39.4 | 39.8 | 41.2 | 40.8 | - | 1.5 | 2.0 | 2.8 | 2.8 | - |
| 3691 | Storage batteries | 38.4 | 40.2 | 40.2 | 40.1 | - | 1.7 | 2.6 | 2.0 | 2.4 | - |
| 3694 | Engine electrical equipment | 38.7 | 39.2 | 42.8 | 41.2 | - | 1.3 | 1.7 | 4.3 | 3.4 | - |
| 37 | TRANSPORTATION EQUIPMENT | 40.6 | 40.0 | 42.3 | 41.6 | 41.7 | 3.0 | 2.8 | 4.0 | 3.8 | - |
| 371 | Motor vehicles and equipment | 41.3 | 39.6 | 44.0 | 42.8 | - | 3.3 | 2.7 | 5.2 | 4.8 | - |
| 3711 | Motor vehicles and car bodies | 41.9 | 38.4 | 44.3 | 42.7 | - | 3.6 | 2.8 | 5.5 | 4.9 | - |
| 3713 | Truck and bus bodies | 40.1 | 39.4 | 40.5 | 40.2 | - | 1.7 | 1.4 | 2.4 | 2.4 | - |
| 3714 | Motor vehicle parts and accessories | 41.1 | 40.7 | 44.2 | 43.4 | - | 3.3 | 2.9 | 5.3 | 5.1 | - |
| 3715 | Truck trailers | 36.6 | 38.6 | 41.1 | 40.7 | - | .6 | .7 | 3.3 | 2.5 | - |
| 372 | Aircraft and parts | 40.4 | 40.6 | 40.8 | 40.6 | - | 2.8 | 3.0 | 2.8 | 2.9 | - |
| 3721 | Aircraft | 40.4 | 40.8 | 40.5 | 40.1 | - | 2.2 | 2.6 | 2.4 | 2.1 | - |
| 3724 | Aircraft engines and engine parts | 39.9 | 40.3 | 40.0 | 40.4 | - | 3.2 | 3.3 | 3.0 | 3.7 | - |
| 3728 | Aircraft equipment, nec | 40.9 | 40.6 | 42.2 | 41.9 | - | 3.6 | 3.5 | 3.4 | 3.6 | - |
| 373 | Ship and boat building and repairing | 39.6 | 39.9 | 39.8 | 39.9 | - | 2.5 | 2.6 | 2.7 | 2.6 | - |
| 3731 | Ship building and repairing | 39.7 | 40.0 | 39.9 | 40.2 | - | 2.6 | 2.8 | 2.8 | 2.8 | - |
| 3732 | Boat building and repairing | 39.1 | 39.5 | 39.6 | 38.8 | - | 2.0 | 1.6 | 2.4 | 2.0 | - |
| 374 | Railroad equipment | 37.3 | 37.7 | 39.3 | 39.1 | - | 1.2 | 1.1 | 2.1 | 2.5 | - |

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | TRANSPORTATION EQUIPMENT—Continued | | | | | | | | | | |
| 376 | Guided missiles, space vehicles, parts | \$436.91 | \$450.31 | \$481.07 | \$472.87 | - | \$10.95 | \$11.01 | \$11.62 | \$11.59 | - |
| 3761 | Guided missiles and space vehicles | 443.37 | 464.09 | 454.15 | 483.03 | - | 11.14 | 11.21 | 11.85 | 11.81 | - |
| 379 | Miscellaneous transportation equipment | 366.38 | 354.92 | 387.37 | 376.99 | - | 8.98 | 8.94 | 9.66 | 9.52 | - |
| 3792 | Travel trailers and campers | 291.46 | 284.90 | 328.02 | 317.20 | - | 7.61 | 7.70 | 8.18 | 7.99 | - |
| 38 | INSTRUMENTS AND RELATED PRODUCTS | 321.95 | 325.98 | 340.90 | 342.86 | \$343.31 | 8.13 | 8.17 | 8.48 | 8.55 | \$8.54 |
| 381 | Engineering and scientific instruments | 340.49 | 338.85 | 362.23 | 373.19 | - | 8.47 | 8.45 | 8.90 | 9.08 | - |
| 382 | Measuring and controlling devices | 316.74 | 326.40 | 337.05 | 334.17 | - | 8.08 | 8.16 | 8.49 | 8.46 | - |
| 3822 | Environmental controls | 281.63 | 295.68 | 313.62 | 306.94 | - | 7.51 | 7.68 | 7.88 | 7.85 | - |
| 3823 | Process control instruments | 334.11 | 325.51 | 334.27 | 339.44 | - | 8.27 | 8.22 | 8.42 | 8.55 | - |
| 3825 | Instruments to measure electricity | 331.45 | 350.20 | 358.80 | 352.72 | - | 8.37 | 8.50 | 8.97 | 8.84 | - |
| 383 | Optical instruments and lenses | 342.05 | 348.79 | 387.72 | 398.35 | - | 8.53 | 8.83 | 9.08 | 9.53 | - |
| 384 | Medical instruments and supplies | 271.60 | 277.29 | 294.26 | 291.00 | - | 7.00 | 7.02 | 7.32 | 7.33 | - |
| 3841 | Surgical and medical instruments | 269.50 | 283.81 | 296.54 | 288.46 | - | 7.00 | 7.06 | 7.34 | 7.34 | - |
| 3842 | Surgical appliances and supplies | 274.31 | 273.39 | 293.13 | 292.40 | - | 6.98 | 7.01 | 7.31 | 7.31 | - |
| 385 | Ophthalmic goods | 231.77 | 242.35 | 251.16 | 255.12 | - | 6.02 | 6.12 | 6.44 | 6.41 | - |
| 386 | Photographic equipment and supplies | 433.68 | 423.71 | 453.91 | 463.91 | - | 10.45 | 10.54 | 11.18 | 11.26 | - |
| 387 | Watches, clocks, and watchcases | 237.00 | 243.36 | 254.34 | 254.27 | - | 6.14 | 6.13 | 6.28 | 6.47 | - |
| 39 | MISCELLANEOUS MANUFACTURING INDUSTRIES | 244.86 | 247.04 | 264.91 | 264.32 | 264.23 | 6.41 | 6.40 | 6.81 | 6.83 | 6.81 |
| 391 | Jewelry, silverware, and plated ware | 253.45 | 259.00 | 269.31 | 269.70 | - | 6.85 | 6.87 | 7.22 | 7.25 | - |
| 3911 | Jewelry, precious metal | 247.32 | 254.33 | 259.10 | 257.02 | - | 6.87 | 6.93 | 7.06 | 7.10 | - |
| 393 | Musical instruments | 246.54 | 252.20 | 257.09 | 264.67 | - | 6.21 | 6.50 | 6.73 | 6.65 | - |
| 394 | Toys and sporting goods | 228.90 | 230.69 | 248.82 | 242.02 | - | 5.93 | 5.90 | 6.38 | 6.27 | - |
| 3942, 4 | Dolls, games, toys, and children's vehicles | 220.56 | 220.52 | 234.47 | 226.10 | - | 5.67 | 5.64 | 6.09 | 5.95 | - |
| 3949 | Sporting and athletic goods, nec | 238.46 | 242.03 | 264.26 | 259.77 | - | 6.21 | 6.19 | 6.69 | 6.61 | - |
| 395 | Pens, pencils, office and art supplies | 262.25 | 267.73 | 281.29 | 280.40 | - | 6.69 | 6.71 | 6.98 | 7.01 | - |
| 396 | Costume jewelry and notions | 204.80 | 205.63 | 211.30 | 206.85 | - | 5.55 | 5.44 | 5.68 | 5.73 | - |
| 3961 | Costume jewelry | 188.03 | 191.14 | 179.57 | 173.44 | - | 5.18 | 5.03 | 5.19 | 5.24 | - |
| 399 | Miscellaneous manufactures | 263.96 | 265.57 | 291.80 | 295.77 | - | 6.91 | 6.88 | 7.35 | 7.45 | - |
| 3993 | Signs and advertising displays | 281.18 | 282.03 | 312.44 | 313.21 | - | 7.38 | 7.25 | 7.89 | 7.99 | - |
| | NONDURABLE GOODS | | | | | | | | | | |
| 20 | FOOD AND KINDRED PRODUCTS | 311.26 | 311.26 | 325.17 | 322.72 | 323.97 | 7.88 | 7.86 | 8.17 | 8.17 | 8.14 |
| 201 | Meat products | 296.72 | 292.92 | 257.94 | 291.80 | - | 7.55 | 7.53 | 7.43 | 7.35 | - |
| 2011 | Meat packing plants | 369.56 | 365.72 | 363.79 | 352.35 | - | 8.97 | 8.92 | 8.58 | 8.47 | - |
| 2013 | Sausages and other prepared meats | 363.77 | 359.46 | 379.35 | 371.69 | - | 9.14 | 9.17 | 9.23 | 9.11 | - |
| 2016 | Poultry dressing plants | 190.46 | 187.76 | 200.09 | 198.97 | - | 5.12 | 5.13 | 5.35 | 5.32 | - |
| 202 | Dairy products | 338.16 | 334.14 | 353.20 | 360.81 | - | 8.09 | 8.13 | 8.47 | 8.55 | - |
| 2022 | Cheese, natural and processed | 314.57 | 304.58 | 319.95 | 323.19 | - | 7.71 | 7.75 | 8.10 | 8.10 | - |
| 2026 | Fluid milk | 354.88 | 349.44 | 368.43 | 377.90 | - | 8.35 | 8.40 | 8.71 | 8.85 | - |
| 203 | Preserved fruits and vegetables | 266.04 | 277.99 | 278.96 | 270.47 | - | 6.91 | 7.02 | 7.38 | 7.31 | - |
| 2032 | Canned specialties | 327.22 | 357.08 | 348.96 | 342.86 | - | 8.02 | 8.19 | 8.79 | 8.68 | - |
| 2033 | Canned fruits and vegetables | 266.34 | 278.00 | 282.38 | 264.22 | - | 6.90 | 7.11 | 7.51 | 7.18 | - |
| 2037 | Frozen fruits and vegetables | 252.56 | 255.02 | 255.00 | 261.36 | - | 6.56 | 6.44 | 6.80 | 7.22 | - |
| 204 | Grain mill products | 390.06 | 386.81 | 403.94 | 417.07 | - | 9.05 | 9.08 | 9.46 | 9.61 | - |
| 2041 | Flour and other grain mill products | 420.44 | 421.74 | 440.26 | 454.90 | - | 9.14 | 9.31 | 9.55 | 9.72 | - |
| 2048 | *Prepared feeds, nec | 309.40 | 300.33 | 318.99 | 327.08 | - | 7.08 | 7.10 | 7.35 | 7.40 | - |
| 205 | Bakery products | 319.96 | 319.79 | 344.43 | 343.68 | - | 8.42 | 8.46 | 8.90 | 8.95 | - |
| 2051 | Bread, cake, and related products | 321.86 | 321.75 | 343.80 | 345.33 | - | 8.56 | 8.58 | 9.00 | 9.04 | - |
| 2052 | Cookies and crackers | 314.38 | 315.02 | 344.67 | 340.17 | - | 8.02 | 8.14 | 8.66 | 8.70 | - |
| 206 | Sugar and confectionery products | 317.60 | 322.34 | 318.40 | 324.75 | - | 7.96 | 7.92 | 8.00 | 8.18 | - |
| 2061-3 | Cane and beet sugar | 372.49 | 388.23 | 395.91 | 412.86 | - | 9.22 | 9.31 | 9.54 | 9.83 | - |
| 2065 | Confectionery products | 275.34 | 278.48 | 270.82 | 270.34 | - | 7.06 | 7.05 | 6.98 | 7.04 | - |
| 207 | Fats and oils | 359.93 | 357.43 | 380.49 | 382.39 | - | 8.39 | 8.43 | 8.89 | 9.04 | - |
| 208 | Beverages | 401.14 | 398.21 | 420.65 | 424.77 | - | 9.76 | 9.76 | 10.31 | 10.31 | - |
| 2082 | Malt beverages | 577.70 | 556.78 | 590.63 | 605.00 | - | 13.25 | 13.07 | 13.93 | 13.94 | - |
| 2086 | Bottled and canned soft drinks | 299.47 | 301.51 | 317.93 | 326.27 | - | 7.34 | 7.39 | 7.85 | 7.90 | - |
| 209 | Misc. foods and kindred products | 253.13 | 258.43 | 273.26 | 269.31 | - | 6.86 | 6.91 | 7.21 | 7.22 | - |
| 21 | TOBACCO MANUFACTURES | 383.46 | 362.33 | 420.04 | 399.26 | 378.49 | 10.42 | 9.51 | 10.91 | 10.82 | 10.12 |
| 211 | Cigarettes | 431.30 | 454.96 | 484.82 | 455.08 | - | 11.72 | 11.91 | 12.56 | 12.40 | - |
| 22 | TEXTILE MILL PRODUCTS | 216.13 | 223.29 | 253.18 | 247.02 | 251.93 | 5.81 | 5.83 | 6.16 | 6.16 | 6.19 |
| 221 | Weaving mills, cotton | 215.28 | 227.08 | 265.51 | 261.46 | - | 5.98 | 5.96 | 6.46 | 6.44 | - |
| 222 | Weaving mills, synthetics | 227.67 | 236.69 | 272.66 | 271.42 | - | 6.17 | 6.18 | 6.57 | 6.62 | - |
| 223 | Weaving and finishing mills, wool | 233.38 | 240.86 | 268.21 | 261.85 | - | 6.24 | 6.16 | 6.51 | 6.53 | - |
| 224 | Narrow fabric mills | 212.46 | 213.68 | 238.27 | 233.81 | - | 5.49 | 5.55 | 5.84 | 5.86 | - |
| 225 | Knitting mills | 199.60 | 204.50 | 223.51 | 217.32 | - | 5.38 | 5.41 | 5.63 | 5.63 | - |

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 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | TRANSPORTATION EQUIPMENT—Continued | | | | | | | | | | |
| 376 | Guided missiles, space vehicles, parts | 39.9 | 40.9 | 41.4 | 40.8 | - | 2.7 | 3.4 | 3.0 | 3.1 | - |
| 3761 | Guided missiles and space vehicles | 39.8 | 41.4 | 41.7 | 40.9 | - | 2.5 | 3.6 | 3.2 | 3.3 | - |
| 379 | Miscellaneous transportation equipment | 40.8 | 39.7 | 40.1 | 39.6 | - | 3.6 | 2.9 | 2.8 | 2.6 | - |
| 3792 | Travel trailers and campers | 38.3 | 37.0 | 40.1 | 39.7 | - | 1.9 | 1.4 | 3.0 | 3.2 | - |
| | INSTRUMENTS AND RELATED PRODUCTS | | | | | | | | | | |
| 38 | Engineering and scientific instruments | 39.6 | 39.9 | 40.2 | 40.1 | 40.2 | 1.5 | 1.6 | 1.9 | 1.9 | - |
| 381 | Measuring and controlling devices | 40.2 | 40.1 | 40.7 | 41.1 | - | 1.7 | 1.7 | 2.2 | 2.1 | - |
| 382 | Environmental controls | 39.2 | 40.0 | 39.7 | 39.5 | - | 1.0 | 1.1 | 1.6 | 1.5 | - |
| 3822 | Process control instruments | 37.5 | 38.5 | 39.8 | 39.1 | - | .9 | 1.0 | 2.0 | 1.9 | - |
| 3823 | Instruments to measure electricity | 40.4 | 39.6 | 39.7 | 39.7 | - | 1.2 | 1.0 | 1.2 | 1.3 | - |
| 3825 | Optical instruments and lenses | 39.6 | 41.2 | 40.0 | 39.9 | - | .9 | 1.0 | 1.5 | 1.4 | - |
| 383 | Medical instruments and supplies | 40.1 | 39.5 | 42.7 | 41.8 | - | 1.9 | 1.6 | 2.8 | 2.6 | - |
| 384 | Surgical and medical instruments | 38.8 | 39.5 | 40.2 | 39.7 | - | 1.7 | 2.0 | 2.3 | 2.2 | - |
| 3841 | Surgical appliances and supplies | 38.5 | 40.2 | 40.4 | 39.3 | - | 1.8 | 2.5 | 2.2 | 2.1 | - |
| 3842 | Ophthalmic goods | 39.3 | 39.0 | 40.1 | 40.0 | - | 1.7 | 1.6 | 2.5 | 2.5 | - |
| 385 | Photographic equipment and supplies | 38.5 | 39.6 | 39.0 | 39.8 | - | 1.2 | 1.6 | 1.8 | 1.5 | - |
| 386 | Watches, clocks, and watchcases | 41.5 | 40.2 | 40.6 | 41.2 | - | 2.0 | 1.8 | 1.8 | 2.0 | - |
| 387 | Signs and advertising displays | 38.6 | 39.7 | 40.5 | 39.3 | - | 1.2 | 1.8 | 2.5 | 2.7 | - |
| | MISCELLANEOUS MANUFACTURING | | | | | | | | | | |
| 39 | Jewelry, silverware, and plated ware | 38.2 | 38.6 | 38.9 | 38.7 | 38.8 | 1.3 | 1.6 | 1.8 | 1.6 | - |
| 391 | Musical instruments | 37.0 | 37.7 | 37.3 | 37.2 | - | .5 | 1.4 | 1.4 | .7 | - |
| 3911 | Toys and sporting goods | 36.0 | 36.7 | 36.7 | 36.2 | - | .6 | 1.2 | 1.2 | .6 | - |
| 393 | Dolls, games, toys, and children's vehicles | 39.7 | 38.8 | 38.2 | 39.8 | - | .3 | .7 | 1.0 | 1.4 | - |
| 394 | Sporting and athletic goods, nec | 38.6 | 39.1 | 39.0 | 38.6 | - | 1.3 | 1.6 | 1.8 | 1.7 | - |
| 3942, 4 | Pens, pencils, office and art supplies | 38.9 | 39.1 | 38.5 | 38.0 | - | 1.0 | 1.3 | 1.4 | 1.4 | - |
| 3949 | Costume jewelry and notions | 38.4 | 39.1 | 39.5 | 39.3 | - | 1.7 | 2.0 | 2.1 | 2.0 | - |
| 395 | Costume jewelry | 39.2 | 39.9 | 40.3 | 40.0 | - | 1.6 | 1.8 | 2.3 | 1.8 | - |
| 396 | Miscellaneous manufactures | 36.9 | 37.8 | 37.2 | 36.1 | - | 1.6 | 2.1 | 2.2 | 1.3 | - |
| 3961 | Signs and advertising displays | 36.3 | 38.0 | 34.6 | 33.1 | - | 2.4 | 2.8 | 1.7 | 1.7 | - |
| 399 | Signs and advertising displays | 38.2 | 38.6 | 39.7 | 39.7 | - | 1.5 | 1.7 | 2.0 | 1.9 | - |
| 3993 | Signs and advertising displays | 38.1 | 38.9 | 39.6 | 39.2 | - | 1.6 | 1.8 | 2.1 | 1.9 | - |
| | NONDURABLE GOODS | | | | | | | | | | |
| | FOOD AND KINDRED PRODUCTS | | | | | | | | | | |
| 20 | Meat products | 39.5 | 39.6 | 35.8 | 39.5 | 39.8 | 3.7 | 3.9 | 3.5 | 3.7 | - |
| 201 | Meat packing plants | 39.3 | 38.9 | 40.1 | 39.7 | - | 3.4 | 3.3 | 3.8 | 3.5 | - |
| 2011 | Sausages and other prepared meats | 41.2 | 41.0 | 42.4 | 41.6 | - | 4.2 | 4.3 | 4.8 | 4.4 | - |
| 2013 | Poultry dressing plants | 39.8 | 39.2 | 41.1 | 40.8 | - | 3.5 | 3.3 | 4.6 | 3.8 | - |
| 2016 | Dairy products | 37.2 | 36.6 | 37.4 | 37.4 | - | 2.4 | 2.3 | 2.5 | 2.5 | - |
| 202 | Cheese, natural and processed | 41.8 | 41.1 | 41.7 | 42.2 | - | 4.2 | 3.9 | 4.2 | 4.6 | - |
| 2022 | Fluid milk | 40.8 | 39.3 | 39.5 | 39.9 | - | 3.5 | 2.9 | 3.3 | 3.3 | - |
| 2026 | Preserved fruits and vegetables | 42.5 | 41.6 | 42.3 | 42.7 | - | 4.6 | 4.2 | 4.5 | 5.1 | - |
| 203 | Canned specialties | 38.5 | 39.6 | 37.8 | 37.0 | - | 4.1 | 5.0 | 2.9 | 3.5 | - |
| 2032 | Canned fruits and vegetables | 40.8 | 43.6 | 39.7 | 39.5 | - | 3.1 | 6.0 | 3.8 | 3.0 | - |
| 2033 | Frozen fruits and vegetables | 38.6 | 39.1 | 37.6 | 36.8 | - | 4.8 | 5.3 | 2.7 | 3.8 | - |
| 2037 | Grain mill products | 38.5 | 39.6 | 37.5 | 36.2 | - | 4.0 | 5.0 | 2.7 | 3.6 | - |
| 204 | Flour and other grain mill products | 43.1 | 42.6 | 42.7 | 43.4 | - | 5.4 | 5.1 | 4.9 | 5.5 | - |
| 2041 | Prepared feeds, nec | 46.0 | 45.3 | 46.1 | 46.8 | - | 6.1 | 6.1 | 5.9 | 6.5 | - |
| 2048 | Bakery products | 43.7 | 42.3 | 43.4 | 44.2 | - | 5.8 | 5.0 | 5.7 | 6.4 | - |
| 205 | Bread, cake, and related products | 38.0 | 37.8 | 38.7 | 38.4 | - | 2.9 | 2.8 | 3.1 | 3.3 | - |
| 2051 | Cookies and crackers | 37.6 | 37.5 | 38.2 | 38.2 | - | 3.2 | 3.0 | 3.4 | 3.7 | - |
| 2052 | Sugar and confectionery products | 39.2 | 38.7 | 35.8 | 39.1 | - | 2.1 | 2.3 | 2.3 | 2.3 | - |
| 206 | Cane and beet sugar | 39.9 | 40.7 | 39.8 | 39.7 | - | 2.5 | 3.0 | 2.1 | 2.5 | - |
| 2061-3 | Confectionery products | 40.4 | 41.7 | 41.5 | 42.0 | - | 4.0 | 3.9 | 3.6 | 4.5 | - |
| 2065 | Fats and oils | 39.0 | 39.5 | 38.8 | 38.4 | - | 2.0 | 2.3 | 1.5 | 1.5 | - |
| 207 | Beverages | 42.9 | 42.4 | 42.8 | 42.3 | - | 5.3 | 5.0 | 4.9 | 5.0 | - |
| 208 | Malt beverages | 41.1 | 40.8 | 40.8 | 41.2 | - | 4.2 | 3.9 | 4.0 | 4.5 | - |
| 2082 | Bottled and canned soft drinks | 43.6 | 42.6 | 42.4 | 43.4 | - | 6.1 | 5.2 | 5.7 | 6.1 | - |
| 2088 | Misc. foods and kindred products | 40.8 | 40.8 | 40.5 | 41.3 | - | 3.8 | 4.0 | 3.7 | 4.4 | - |
| 209 | ..... | 36.9 | 37.4 | 37.9 | 37.3 | - | 3.2 | 3.6 | 2.9 | 3.1 | - |
| | TOBACCO MANUFACTURES | | | | | | | | | | |
| 21 | Cigarettes | 36.8 | 38.1 | 38.5 | 36.9 | 37.4 | 1.4 | 1.8 | 1.7 | 1.2 | - |
| 211 | ..... | 36.8 | 38.2 | 38.6 | 36.7 | - | 1.6 | 1.7 | 1.7 | 1.1 | - |
| | TEXTILE MILL PRODUCTS | | | | | | | | | | |
| 22 | Weaving mills, cotton | 37.2 | 38.3 | 41.1 | 40.1 | 40.7 | 1.9 | 2.2 | 3.7 | 3.5 | - |
| 221 | Weaving mills, synthetics | 36.0 | 38.1 | 41.1 | 40.6 | - | 1.8 | 2.1 | 4.1 | 3.8 | - |
| 222 | Weaving and finishing mills, wool | 36.9 | 38.3 | 41.5 | 41.0 | - | 1.8 | 1.9 | 3.9 | 4.1 | - |
| 223 | Narrow fabric mills | 37.4 | 39.1 | 41.2 | 40.1 | - | 2.7 | 2.8 | 4.2 | 4.4 | - |
| 224 | Knitting mills | 38.7 | 38.5 | 40.8 | 39.9 | - | 1.4 | 1.8 | 2.6 | 1.7 | - |
| 225 | ..... | 37.1 | 37.8 | 39.7 | 38.6 | - | 1.8 | 2.2 | 2.9 | 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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|--|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| TEXTILE MILL PRODUCTS—Continued | | | | | | | | | | | |
| 2251 | Women's hosiery, except socks | \$196.32 | \$200.03 | \$220.59 | \$216.28 | - | \$5.18 | \$5.25 | \$5.42 | \$5.38 | - |
| 2252 | Hosiery, nec | 192.46 | 191.95 | 217.06 | 211.68 | - | 5.23 | 5.16 | 5.44 | 5.40 | - |
| 2253 | Knit outerwear mills | 193.88 | 197.55 | 203.63 | 201.30 | - | 5.24 | 5.24 | 5.43 | 5.47 | - |
| 2254 | Knit underwear mills | 177.66 | 182.69 | 203.95 | 186.02 | - | 5.12 | 5.19 | 5.27 | 5.24 | - |
| 2257 | Circular knit fabric mills | 223.61 | 239.99 | 264.16 | 264.77 | - | 5.90 | 6.03 | 6.35 | 6.38 | - |
| 226 | Textile finishing, except wool | 230.02 | 238.23 | 281.16 | 257.02 | - | 6.20 | 6.22 | 6.60 | 6.54 | - |
| 2261 | Finishing plants, cotton | 230.63 | 236.12 | 287.51 | 261.76 | - | 6.25 | 6.23 | 6.64 | 6.61 | - |
| 2262 | Finishing plants, synthetics | 228.55 | 247.00 | 285.91 | 256.81 | - | 6.42 | 6.50 | 6.84 | 6.83 | - |
| 227 | Floor covering mills | 227.93 | 234.57 | 272.79 | 264.58 | - | 6.03 | 6.03 | 6.30 | 6.36 | - |
| 228 | Yarn and thread mills | 202.20 | 210.48 | 239.71 | 236.81 | - | 5.45 | 5.51 | 5.79 | 5.79 | - |
| 2281 | Yarn mills, except wool | 201.25 | 209.66 | 243.76 | 240.61 | - | 5.41 | 5.46 | 5.79 | 5.77 | - |
| 2282 | Throwing and winding mills | 192.75 | 202.66 | 216.19 | 211.50 | - | 5.31 | 5.39 | 5.63 | 5.61 | - |
| 229 | Miscellaneous textile goods | 257.15 | 261.70 | 286.60 | 284.69 | - | 6.51 | 6.51 | 6.84 | 6.86 | - |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 183.73 | 183.56 | 196.18 | 193.14 | \$195.83 | 5.19 | 5.20 | 5.36 | 5.35 | \$5.38 |
| 231 | Men's and boys' suits and coats | 215.04 | 204.73 | 227.76 | 228.60 | - | 5.99 | 5.90 | 6.24 | 6.35 | - |
| 232 | Men's and boys' furnishings | 173.26 | 172.31 | 184.73 | 182.77 | - | 4.76 | 4.76 | 4.90 | 4.90 | - |
| 2321 | Men's and boys' shirts and nightwear | 167.80 | 165.50 | 176.06 | 173.80 | - | 4.61 | 4.61 | 4.72 | 4.71 | - |
| 2327 | Men's and boys' separate trousers | 173.99 | 173.02 | 183.26 | 187.25 | - | 4.86 | 4.86 | 4.98 | 5.02 | - |
| 2328 | Men's and boys' work clothing | 171.92 | 174.80 | 188.96 | 186.69 | - | 4.71 | 4.75 | 4.87 | 4.90 | - |
| 233 | Women's and misses' outerwear | 172.03 | 171.86 | 184.07 | 182.09 | - | 5.12 | 5.13 | 5.32 | 5.34 | - |
| 2331 | Women's and misses' blouses and waists | 161.11 | 163.48 | 174.52 | 172.30 | - | 4.59 | 4.78 | 4.93 | 4.84 | - |
| 2335 | Women's and misses' dresses | 173.96 | 170.17 | 181.06 | 180.72 | - | 5.32 | 5.22 | 5.52 | 5.63 | - |
| 2337 | Women's and misses' suits and coats | 193.97 | 189.90 | 206.15 | 205.77 | - | 5.79 | 5.72 | 5.89 | 5.93 | - |
| 2339 | Women's and misses' work clothing | 165.58 | 169.29 | 181.51 | 177.96 | - | 4.87 | 4.95 | 5.07 | 5.07 | - |
| 234 | Women's and children's undergarments | 161.58 | 166.72 | 177.26 | 176.05 | - | 4.67 | 4.67 | 4.83 | 4.81 | - |
| 2341 | Women's and children's underwear | 159.38 | 165.60 | 175.28 | 175.96 | - | 4.58 | 4.60 | 4.75 | 4.73 | - |
| 2342 | Brassieres and allied garments | 171.36 | 173.91 | 187.97 | 176.69 | - | 5.10 | 5.10 | 5.28 | 5.29 | - |
| 236 | Children's outerwear | 170.28 | 165.79 | 176.27 | 170.41 | - | 4.73 | 4.71 | 4.79 | 4.76 | - |
| 2361 | Children's dresses and blouses | 169.10 | 163.78 | 174.36 | 167.80 | - | 4.75 | 4.72 | 4.79 | 4.74 | - |
| 238 | Misc. apparel and accessories | 183.37 | 186.88 | 190.63 | 189.89 | - | 5.18 | 5.22 | 5.31 | 5.26 | - |
| 239 | Misc. fabricated textile products | 231.76 | 238.61 | 250.83 | 239.13 | - | 6.23 | 6.23 | 6.35 | 6.26 | - |
| 2391 | Curtains and draperies | 158.00 | 170.25 | 189.91 | 181.54 | - | 4.62 | 4.69 | 4.82 | 4.88 | - |
| 2392 | House furnishing, nec | 151.51 | 198.91 | 207.67 | 205.90 | - | 5.19 | 5.18 | 5.38 | 5.39 | - |
| 2396 | Automotive and apparel trimmings | 425.06 | 436.65 | 437.44 | 397.10 | - | 10.60 | 10.65 | 10.44 | 10.13 | - |
| 26 | PAPER AND ALLIED PRODUCTS | 392.40 | 393.12 | 425.14 | 429.41 | 425.43 | 9.41 | 9.45 | 9.91 | 10.08 | 10.01 |
| 261, 2, 6 | Paper and pulp mills | 485.76 | 481.11 | 520.04 | 532.82 | - | 10.99 | 11.06 | 11.66 | 11.92 | - |
| 262 | Paper mills, except building paper | 492.35 | 486.86 | 525.60 | 538.95 | - | 10.99 | 11.04 | 11.68 | 11.95 | - |
| 263 | Paperboard mills | 463.56 | 475.45 | 517.37 | 536.36 | - | 11.09 | 11.24 | 12.06 | 12.33 | - |
| 264 | Misc. converted paper products | 333.68 | 336.53 | 363.21 | 361.74 | - | 8.28 | 8.33 | 8.71 | 8.78 | - |
| 2641 | Paper coating and glazing | 392.92 | 392.89 | 419.25 | 420.97 | - | 9.40 | 9.49 | 9.75 | 9.79 | - |
| 2642 | Envelopes | 296.74 | 305.12 | 320.80 | 317.10 | - | 7.57 | 7.59 | 8.04 | 8.11 | - |
| 2643 | Bags, except textile bags | 313.03 | 315.83 | 335.37 | 342.77 | - | 7.71 | 7.76 | 8.14 | 8.22 | - |
| 265 | Paperboard containers and boxes | 352.49 | 336.19 | 365.90 | 361.50 | - | 8.23 | 8.24 | 8.65 | 8.69 | - |
| 2651 | Folding paperboard boxes | 336.56 | 344.42 | 371.01 | 371.77 | - | 8.31 | 8.38 | 8.94 | 8.98 | - |
| 2653 | Corrugated and solid fiber boxes | 349.57 | 356.45 | 387.50 | 383.35 | - | 8.61 | 8.61 | 8.97 | 9.02 | - |
| 2654 | Sanitary food containers | 324.53 | 319.84 | 358.92 | 348.10 | - | 7.82 | 7.82 | 8.27 | 8.21 | - |
| 27 | PRINTING AND PUBLISHING | 322.88 | 326.85 | 338.84 | 341.25 | 345.33 | 8.75 | 8.81 | 9.06 | 9.10 | 9.16 |
| 271 | Newspapers | 294.92 | 294.82 | 307.58 | 305.09 | - | 8.91 | 8.88 | 9.10 | 9.08 | - |
| 272 | Periodicals | 322.54 | 343.90 | 349.65 | 360.99 | - | 8.91 | 9.05 | 9.45 | 9.55 | - |
| 273 | Books | 299.89 | 311.04 | 319.42 | 321.72 | - | 8.04 | 8.10 | 8.34 | 8.40 | - |
| 2731 | Book publishing | 288.77 | 299.75 | 299.34 | 296.16 | - | 7.89 | 7.93 | 7.94 | 7.94 | - |
| 2732 | Book printing | 313.24 | 324.53 | 341.15 | 350.27 | - | 8.20 | 8.30 | 8.77 | 8.89 | - |
| 274 | Miscellaneous publishing | 292.88 | 305.18 | 296.84 | 291.41 | - | 7.81 | 8.16 | 8.20 | 8.14 | - |
| 275 | Commercial printing | 346.62 | 351.12 | 361.30 | 366.44 | - | 9.05 | 9.12 | 9.36 | 9.42 | - |
| 2751 | Commercial printing, letterpress | 325.56 | 331.78 | 341.38 | 345.98 | - | 8.59 | 8.64 | 8.89 | 8.94 | - |
| 2752 | Commercial printing, lithographic | 353.66 | 356.74 | 366.14 | 371.88 | - | 9.21 | 9.29 | 9.51 | 9.56 | - |
| 278 | Manifold business forms | 343.30 | 344.57 | 381.61 | 386.88 | - | 8.78 | 8.79 | 9.24 | 9.30 | - |
| 278 | Blankbooks and bookbinding | 259.16 | 257.72 | 275.87 | 274.45 | - | 6.82 | 6.80 | 7.11 | 7.11 | - |
| 279 | Printing trade services | 403.58 | 407.29 | 410.58 | 424.44 | - | 10.51 | 10.69 | 10.72 | 10.80 | - |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 406.00 | 407.41 | 440.79 | 439.30 | 438.43 | 10.00 | 10.01 | 10.52 | 10.56 | 10.59 |
| 281 | Industrial inorganic chemicals | 447.23 | 445.82 | 482.89 | 489.90 | - | 11.07 | 11.09 | 11.58 | 11.72 | - |
| 2819 | Industrial inorganic chemicals, nec | 449.84 | 450.07 | 485.72 | 496.10 | - | 11.19 | 11.28 | 11.62 | 11.84 | - |
| 282 | Plastics materials and synthetics | 398.38 | 401.17 | 450.06 | 443.10 | - | 9.91 | 9.93 | 10.54 | 10.50 | - |
| 2821 | Plastics materials and resins | 442.57 | 441.41 | 452.35 | 494.79 | - | 10.69 | 10.74 | 11.45 | 11.48 | - |
| 2824 | Organic fibers, noncellulosic | 372.33 | 374.30 | 437.18 | 417.74 | - | 9.45 | 9.50 | 10.12 | 9.97 | - |
| 283 | Drugs | 364.41 | 373.10 | 394.67 | 397.55 | - | 9.02 | 9.10 | 9.51 | 9.72 | - |
| 2834 | Pharmaceutical preparations | 345.71 | 354.48 | 378.33 | 378.55 | - | 8.73 | 8.84 | 9.25 | 9.37 | - |

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|--|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| TEXTILE MILL PRODUCTS—Continued | | | | | | | | | | | |
| 2251 | Women's hosiery, except socks | 37.9 | 38.1 | 40.7 | 40.2 | - | 1.9 | 1.8 | 3.3 | 3.6 | - |
| 2252 | Hosiery, nec | 36.8 | 37.2 | 39.9 | 39.2 | - | 1.9 | 1.7 | 3.1 | 2.8 | - |
| 2253 | Knit outerwear mills | 37.0 | 37.7 | 37.5 | 36.8 | - | 1.8 | 2.2 | 2.0 | 2.2 | - |
| 2254 | Knit underwear mills | 34.7 | 35.2 | 38.7 | 35.5 | - | .7 | 1.0 | 1.8 | 1.3 | - |
| 2257 | Circular knit fabric mills | 37.9 | 39.8 | 41.6 | 41.5 | - | 1.7 | 3.4 | 3.8 | 4.2 | - |
| 228 | Textile finishing, except wool | 37.1 | 38.3 | 42.6 | 39.3 | - | 1.8 | 2.3 | 4.5 | 3.4 | - |
| 2261 | Finishing plants, cotton | 36.9 | 37.9 | 43.3 | 39.6 | - | 1.5 | 2.0 | 4.5 | 3.3 | - |
| 2282 | Finishing plants, synthetics | 35.6 | 38.0 | 41.8 | 37.6 | - | 1.8 | 2.7 | 4.6 | 3.7 | - |
| 227 | Floor covering mills | 37.8 | 38.9 | 43.3 | 41.6 | - | 1.9 | 2.4 | 4.9 | 4.6 | - |
| 228 | Yarn and thread mills | 37.1 | 38.2 | 41.4 | 40.9 | - | 2.0 | 2.5 | 3.9 | 3.4 | - |
| 2281 | Yarn mills, except wool | 37.2 | 38.4 | 42.1 | 41.7 | - | 2.0 | 2.5 | 4.3 | 3.8 | - |
| 2282 | Throwing and winding mills | 36.3 | 37.6 | 38.4 | 37.7 | - | 1.8 | 2.4 | 2.7 | 2.7 | - |
| 229 | Miscellaneous textile goods | 39.5 | 40.2 | 41.9 | 41.5 | - | 2.3 | 2.7 | 3.5 | 3.4 | - |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 35.4 | 35.3 | 36.6 | 36.1 | 36.4 | .9 | 1.0 | 1.4 | 1.2 | - |
| 231 | Men's and boys' suits and coats | 35.9 | 34.7 | 36.5 | 36.0 | - | .6 | .8 | .8 | 1.0 | - |
| 232 | Men's and boys' furnishings | 36.4 | 36.2 | 37.7 | 37.3 | - | .9 | .9 | 1.3 | 1.0 | - |
| 2321 | Men's and boys' shirts and nightwear | 36.4 | 35.9 | 37.3 | 36.9 | - | .9 | 1.1 | 1.4 | .9 | - |
| 2327 | Men's and boys' separate trousers | 35.8 | 35.6 | 36.8 | 37.3 | - | 1.0 | .9 | 1.3 | 1.1 | - |
| 2328 | Men's and boys' work clothing | 36.5 | 36.8 | 38.8 | 38.1 | - | 1.1 | 1.0 | 1.4 | 1.0 | - |
| 233 | Women's and misses' outerwear | 33.6 | 33.5 | 34.6 | 34.1 | - | .9 | 1.0 | 1.2 | 1.1 | - |
| 2331 | Women's and misses' blouses and waists | 35.1 | 34.2 | 35.4 | 35.6 | - | 1.0 | 1.1 | 1.2 | 1.0 | - |
| 2335 | Women's and misses' dresses | 32.7 | 32.6 | 32.8 | 32.1 | - | 1.0 | .9 | 1.1 | .9 | - |
| 2337 | Women's and misses' suits and coats | 33.5 | 33.2 | 35.0 | 34.7 | - | .9 | .8 | 1.2 | 1.2 | - |
| 2339 | Women's and misses' outerwear, nec | 34.0 | 34.2 | 35.8 | 35.1 | - | .9 | .9 | 1.4 | 1.4 | - |
| 234 | Women's and children's undergarments | 34.6 | 35.7 | 36.7 | 36.6 | - | .7 | .8 | 1.2 | 1.2 | - |
| 2341 | Women's and children's underwear | 34.8 | 36.0 | 36.9 | 37.2 | - | .7 | .8 | 1.3 | 1.3 | - |
| 2342 | Brassieres and allied garments | 33.6 | 34.1 | 35.6 | 33.4 | - | .5 | .6 | 1.0 | .8 | - |
| 236 | Children's outerwear | 36.0 | 35.2 | 36.8 | 35.8 | - | 1.0 | 1.3 | 1.4 | 1.0 | - |
| 2361 | Children's dresses and blouses | 35.6 | 34.7 | 36.4 | 35.4 | - | 1.2 | 1.2 | 1.2 | .8 | - |
| 238 | Misc. apparel and accessories | 35.4 | 35.8 | 35.9 | 36.1 | - | .8 | 1.1 | 1.1 | 1.1 | - |
| 239 | Misc. fabricated textile products | 37.2 | 38.3 | 39.5 | 38.2 | - | 1.2 | 1.7 | 2.2 | 1.7 | - |
| 2391 | Curtains and draperies | 34.2 | 36.3 | 39.4 | 37.2 | - | .6 | 1.1 | 1.4 | 1.2 | - |
| 2392 | House furnishings, nec | 36.9 | 38.4 | 38.6 | 38.2 | - | 1.0 | 1.6 | 2.0 | 1.9 | - |
| 2396 | Automotive and apparel trimmings | 40.1 | 41.0 | 41.9 | 39.2 | - | 2.5 | 3.6 | 4.1 | 2.6 | - |
| 26 | PAPER AND ALLIED PRODUCTS | 41.7 | 41.6 | 42.9 | 42.6 | 42.5 | 4.0 | 4.0 | 4.6 | 4.8 | - |
| 261, 2, 8 | Paper and pulp mills | 44.2 | 43.5 | 44.6 | 44.7 | - | 5.9 | 5.6 | 6.3 | 6.8 | - |
| 262 | Paper mills, except building paper | 44.8 | 44.1 | 45.0 | 45.1 | - | 6.0 | 5.8 | 6.4 | 6.9 | - |
| 263 | Paperboard mills | 41.8 | 42.3 | 42.9 | 43.5 | - | 6.0 | 6.1 | 6.6 | 7.1 | - |
| 264 | Misc. converted paper products | 40.3 | 40.4 | 41.7 | 41.2 | - | 2.4 | 2.6 | 3.1 | 3.0 | - |
| 2641 | Paper coating and glazing | 41.8 | 41.4 | 43.0 | 43.0 | - | 2.2 | 2.2 | 3.2 | 3.3 | - |
| 2642 | Envelopes | 39.2 | 40.2 | 39.9 | 39.1 | - | 1.8 | 2.3 | 2.1 | 2.1 | - |
| 2643 | Bags, except textile bags | 40.6 | 40.7 | 41.2 | 41.7 | - | 2.6 | 2.9 | 2.9 | 3.2 | - |
| 265 | Paperboard containers and boxes | 40.4 | 40.8 | 42.3 | 41.6 | - | 3.1 | 3.2 | 4.0 | 4.0 | - |
| 2651 | Folding paperboard boxes | 40.5 | 41.1 | 41.5 | 41.4 | - | 3.0 | 3.1 | 3.5 | 3.7 | - |
| 2653 | Corrugated and solid fiber boxes | 40.6 | 41.4 | 43.2 | 42.5 | - | 3.5 | 3.9 | 4.6 | 4.6 | - |
| 2654 | Sanitary food containers | 41.5 | 40.9 | 43.4 | 42.4 | - | 3.3 | 2.8 | 4.2 | 4.0 | - |
| 27 | PRINTING AND PUBLISHING | 36.9 | 37.1 | 37.4 | 37.5 | 37.7 | 2.1 | 2.4 | 2.3 | 2.5 | - |
| 271 | Newspapers | 33.1 | 33.2 | 33.8 | 33.6 | - | 1.3 | 1.4 | 1.4 | 1.5 | - |
| 272 | Periodicals | 36.2 | 38.0 | 37.0 | 37.8 | - | 1.9 | 2.7 | 2.0 | 1.8 | - |
| 273 | Books | 37.3 | 38.4 | 38.3 | 38.3 | - | 1.7 | 2.4 | 2.5 | 2.8 | - |
| 2731 | Book publishing | 36.6 | 37.8 | 37.7 | 37.3 | - | .9 | 1.4 | 1.2 | 1.3 | - |
| 2732 | Book printing | 38.2 | 39.1 | 38.9 | 39.4 | - | 2.6 | 3.5 | 3.9 | 4.6 | - |
| 274 | Miscellaneous publishing | 37.5 | 37.4 | 36.2 | 35.8 | - | 1.3 | 1.7 | 1.7 | 1.7 | - |
| 275 | Commercial printing | 38.3 | 38.5 | 38.6 | 38.9 | - | 2.5 | 2.8 | 2.7 | 3.0 | - |
| 2751 | Commercial printing, letterpress | 37.9 | 38.4 | 38.4 | 38.7 | - | 2.1 | 2.4 | 2.4 | 2.7 | - |
| 2752 | Commercial printing, lithographic | 38.4 | 38.4 | 38.5 | 38.9 | - | 2.5 | 2.9 | 2.7 | 3.0 | - |
| 276 | Manifold business forms | 39.1 | 39.2 | 41.3 | 41.6 | - | 2.3 | 2.2 | 3.2 | 3.9 | - |
| 278 | Blankbooks and bookbinding | 38.0 | 37.9 | 38.8 | 38.6 | - | 1.3 | 1.4 | 1.7 | 1.8 | - |
| 279 | Printing trade service | 38.4 | 38.1 | 38.3 | 39.3 | - | 3.6 | 3.8 | 3.4 | 3.9 | - |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 40.6 | 40.7 | 41.9 | 41.6 | 41.4 | 2.7 | 2.7 | 3.2 | 3.2 | - |
| 281 | Industrial inorganic chemicals | 40.4 | 40.2 | 41.7 | 41.8 | - | 2.7 | 2.9 | 2.8 | 3.0 | - |
| 2819 | Industrial inorganic chemicals, nec | 40.2 | 39.9 | 41.8 | 41.9 | - | 2.8 | 2.9 | 2.9 | 3.1 | - |
| 282 | Plastics materials and synthetics | 40.2 | 40.4 | 42.7 | 42.2 | - | 2.4 | 2.3 | 3.4 | 3.6 | - |
| 2821 | Plastics materials and resins | 41.4 | 41.1 | 43.0 | 43.1 | - | 3.4 | 3.3 | 4.2 | 4.6 | - |
| 2824 | Organic fibers, noncellulosic | 39.4 | 39.4 | 43.2 | 41.9 | - | 1.7 | 1.5 | 3.1 | 3.1 | - |
| 283 | Drugs | 40.4 | 41.0 | 41.5 | 40.9 | - | 2.4 | 2.6 | 2.6 | 2.6 | - |
| 2834 | Pharmaceutical preparations | 39.6 | 40.1 | 40.9 | 40.4 | - | 2.4 | 2.6 | 2.6 | 2.5 | - |

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|--|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | CHEMICALS AND ALLIED PRODUCTS—Cont'd | | | | | | | | | | |
| 284 | Soap, cleaners, and toilet goods | \$365.62 | \$375.74 | \$399.64 | \$394.15 | - | \$9.05 | \$9.12 | \$9.70 | \$9.59 | - |
| 2841 | Soap and other detergents | 497.28 | 511.92 | 552.26 | 560.54 | - | 11.84 | 11.85 | 12.58 | 12.54 | - |
| 2844 | Toilet preparations | 285.32 | 292.40 | 315.60 | 302.20 | - | 7.26 | 7.31 | 7.89 | 7.67 | - |
| 2842, 3 | Polishing, sanitation, and finishing preparations | 356.13 | 359.51 | 366.62 | 359.90 | - | 8.75 | 8.79 | 9.12 | 9.02 | - |
| 285 | Paints and allied products | 354.80 | 351.83 | 350.93 | 379.96 | - | 8.87 | 8.84 | 9.33 | 9.20 | - |
| 286 | Industrial organic chemicals | 504.00 | 493.58 | 544.43 | 543.99 | - | 12.00 | 11.98 | 12.75 | 12.71 | - |
| 2865 | Cyclic crudes and intermediates | 479.55 | 462.64 | 494.27 | 495.19 | - | 11.50 | 11.48 | 11.91 | 11.99 | - |
| 2861, 9 | Gum, wood, and industrial organic chemicals, nec | 511.94 | 503.40 | 558.57 | 557.71 | - | 12.16 | 12.13 | 12.99 | 12.91 | - |
| 287 | Agricultural chemicals | 412.41 | 412.67 | 424.69 | 434.72 | - | 9.89 | 9.92 | 10.04 | 10.40 | - |
| 289 | Miscellaneous chemical products | 375.60 | 369.08 | 399.23 | 391.64 | - | 9.32 | 9.25 | 9.62 | 9.67 | - |
| 29 | PETROLEUM AND COAL PRODUCTS | 546.48 | 546.48 | 579.48 | 583.44 | \$574.20 | 12.42 | 12.42 | 13.17 | 13.20 | \$13.20 |
| 291 | Petroleum refining | 589.18 | 585.63 | 626.45 | 630.63 | - | 13.36 | 13.34 | 14.27 | 14.30 | - |
| 295 | Paving and roofing materials | 425.25 | 445.33 | 442.43 | 452.18 | - | 9.45 | 9.66 | 9.81 | 9.96 | - |
| 30 | RUBBER AND MISC. PLASTICS PRODUCTS | 303.73 | 304.10 | 328.75 | 329.25 | 328.39 | 7.67 | 7.66 | 7.96 | 8.05 | 7.99 |
| 301 | Tires and inner tubes | 473.80 | 465.20 | 506.30 | 530.80 | - | 11.67 | 11.63 | 12.20 | 12.46 | - |
| 302 | Rubber and plastics footwear | 184.14 | 185.20 | 194.93 | 198.53 | - | 4.95 | 5.06 | 5.05 | 5.13 | - |
| 303, 4 | Reclaimed rubber, and rubber and plastics hose and belting | 323.59 | 326.42 | 338.66 | 334.97 | - | 8.11 | 8.04 | 8.24 | 8.19 | - |
| 306 | Fabricated rubber products, nec | 287.73 | 290.60 | 314.11 | 302.97 | - | 7.34 | 7.32 | 7.68 | 7.67 | - |
| 307 | Miscellaneous plastics products | 276.50 | 278.69 | 302.22 | 300.94 | - | 7.00 | 7.02 | 7.30 | 7.34 | - |
| 31 | LEATHER AND LEATHER PRODUCTS | 190.97 | 192.95 | 207.52 | 207.73 | 209.21 | 5.29 | 5.33 | 5.49 | 5.51 | 5.52 |
| 311 | Leather tanning and finishing | 274.32 | 282.43 | 306.34 | 300.64 | - | 7.07 | 7.15 | 7.49 | 7.46 | - |
| 314 | Footwear, except rubber | 181.20 | 184.17 | 197.02 | 196.57 | - | 5.09 | 5.13 | 5.24 | 5.27 | - |
| 3143 | Men's footwear, except athletic | 185.33 | 193.50 | 209.34 | 207.52 | - | 5.28 | 5.36 | 5.48 | 5.49 | - |
| 3144 | Women's footwear, except athletic | 180.64 | 179.72 | 191.11 | 192.03 | - | 5.06 | 5.02 | 5.11 | 5.19 | - |
| 318 | Luggage | 196.06 | 209.51 | 236.38 | 232.16 | - | 5.65 | 5.74 | 6.03 | 6.03 | - |
| 317 | Handbags and personal leather goods | 183.38 | 177.51 | 194.16 | 190.18 | - | 4.89 | 4.89 | 5.15 | 5.14 | - |
| - | TRANSPORTATION AND PUBLIC UTILITIES | 403.37 | 410.55 | 419.54 | 426.80 | 422.18 | 10.29 | 10.42 | 10.73 | 10.86 | 10.77 |
| | RAILROAD TRANSPORTATION: | | | | | | | | | | |
| 4011 | Class I railroads ¹ | 485.83 | 489.72 | 530.46 | - | - | 11.54 | 11.55 | 12.63 | - | - |
| 41 | LOCAL AND INTERURBAN PASSENGER TRANSIT | 274.88 | 279.73 | 253.76 | 281.52 | - | 7.49 | 7.54 | 7.53 | 7.82 | - |
| 411 | Local and suburban transportation | 306.86 | 306.46 | 318.20 | 318.40 | - | 7.71 | 7.70 | 8.18 | 8.27 | - |
| 413 | Intercity highway transportation | 442.23 | 450.07 | 430.06 | 441.60 | - | 11.92 | 11.97 | 11.88 | 12.00 | - |
| 42 | TRUCKING AND WAREHOUSING | 392.06 | 397.31 | 405.60 | 400.93 | - | 10.21 | 10.24 | 10.40 | 10.36 | - |
| 421, 3 | Trucking and trucking terminals | 398.98 | 405.07 | 412.23 | 407.51 | - | 10.39 | 10.44 | 10.57 | 10.53 | - |
| 422 | Public warehousing | 288.73 | 280.67 | 288.79 | 290.70 | - | 7.48 | 7.29 | 7.64 | 7.63 | - |
| 46 | PIPE LINES, EXCEPT NATURAL GAS | 543.52 | 535.92 | 587.86 | 598.97 | - | 12.64 | 12.76 | 14.03 | 14.16 | - |
| 48 | COMMUNICATION | 355.21 | 409.76 | 421.58 | 428.25 | - | 9.98 | 10.40 | 10.70 | 10.76 | - |
| 481 | Telephone communication | 415.60 | 437.30 | 451.67 | 461.30 | - | 10.39 | 10.96 | 11.32 | 11.39 | - |
| 4817 | Switchboard operating employees | 301.53 | 316.54 | 338.10 | 349.68 | - | 8.74 | 9.31 | 9.80 | 9.85 | - |
| 4818 | Line construction employees ² | 512.40 | 543.57 | 550.38 | 560.73 | - | 12.00 | 12.73 | 12.95 | 13.01 | - |
| 483 | Radio and television broadcasting | 322.71 | 324.97 | 327.45 | 328.24 | - | 8.56 | 8.62 | 8.85 | 8.80 | - |
| 49 | ELECTRIC, GAS, AND SANITARY SERVICES .. | 443.39 | 443.21 | 468.86 | 474.44 | - | 10.71 | 10.81 | 11.38 | 11.46 | - |
| 491 | Electric services | 456.46 | 452.92 | 477.98 | 480.16 | - | 10.92 | 10.94 | 11.49 | 11.57 | - |
| 492 | Gas production and distribution | 390.72 | 389.60 | 420.04 | 420.39 | - | 9.60 | 9.74 | 10.27 | 10.38 | - |
| 493 | Combination utility services | 501.77 | 510.88 | 536.93 | 564.06 | - | 12.12 | 12.40 | 13.16 | 13.43 | - |
| 495 | Sanitary services | 353.83 | 356.42 | 378.00 | 375.53 | - | 8.63 | 8.63 | 9.00 | 8.92 | - |
| - | WHOLESALE AND RETAIL TRADE | 202.12 | 201.50 | 207.37 | 210.28 | 209.95 | 6.20 | 6.20 | 6.46 | 6.47 | 6.46 |
| 50, 51 | WHOLESALE TRADE | 310.76 | 311.50 | 323.15 | 326.31 | 326.24 | 8.03 | 8.07 | 8.35 | 8.41 | 8.43 |
| 50 | WHOLESALE TRADE-DURABLE GOODS | 310.44 | 312.00 | 323.36 | 324.92 | - | 7.96 | 8.00 | 8.27 | 8.31 | - |
| 501 | Motor vehicles and automotive equipment | 278.97 | 277.59 | 294.47 | 295.27 | - | 7.19 | 7.21 | 7.57 | 7.61 | - |
| 502 | Furniture and home furnishings | 275.28 | 279.74 | 281.59 | 280.85 | - | 7.40 | 7.44 | 7.56 | 7.57 | - |
| 503 | Lumber and construction materials | 311.64 | 310.05 | 314.02 | 315.61 | - | 7.95 | 7.95 | 7.97 | 7.99 | - |
| 504 | Sporting goods, toys, and hobby goods | 323.76 | 331.66 | 334.25 | 332.76 | - | 8.52 | 8.57 | 8.75 | 8.78 | - |

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|---|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | CHEMICALS AND ALLIED PRODUCTS—Cont'd | | | | | | | | | | |
| 284 | Soap, cleaners, and toilet goods | 40.4 | 41.2 | 41.2 | 41.1 | - | 2.5 | 3.2 | 3.4 | 3.1 | - |
| 2841 | Soap and other detergents | 42.0 | 43.2 | 43.9 | 44.7 | - | 3.8 | 4.7 | 5.0 | 5.8 | - |
| 2844 | Toilet preparations | 39.3 | 40.0 | 40.0 | 39.4 | - | 1.8 | 2.3 | 2.8 | 1.8 | - |
| 2842, 3 | Polishing, sanitation, and finishing preparations | 40.7 | 40.9 | 40.2 | 39.9 | - | 2.3 | 2.8 | 2.6 | 2.1 | - |
| 285 | Paints and allied products | 40.0 | 39.8 | 41.9 | 41.3 | - | 2.6 | 2.3 | 3.4 | 3.1 | - |
| 286 | Industrial organic chemicals | 42.0 | 41.2 | 42.7 | 42.8 | - | 3.2 | 2.7 | 3.6 | 3.7 | - |
| 2865 | Cyclic crudes and intermediates | 41.7 | 40.3 | 41.5 | 41.3 | - | 2.4 | 2.5 | 3.3 | 3.1 | - |
| 2861, 9 | Gum, wood, and industrial organic chemicals, nec | 42.1 | 41.5 | 43.0 | 43.2 | - | 3.4 | 2.8 | 3.7 | 3.9 | - |
| 287 | Agricultural chemicals | 41.7 | 41.6 | 42.3 | 41.8 | - | 3.5 | 3.3 | 4.0 | 4.0 | - |
| 289 | Miscellaneous chemical products | 40.3 | 39.9 | 41.5 | 40.5 | - | 2.4 | 2.3 | 2.8 | 2.5 | - |
| 29 | PETROLEUM AND COAL PRODUCTS | 44.0 | 44.0 | 44.0 | 44.2 | 43.5 | 4.1 | 4.3 | 4.0 | 4.4 | - |
| 291 | Petroleum refining | 44.1 | 43.9 | 43.9 | 44.1 | - | 3.4 | 3.5 | 3.3 | 3.6 | - |
| 295 | Paving and roofing materials | 45.0 | 46.1 | 45.1 | 45.4 | - | 7.6 | 8.1 | 7.7 | 7.9 | - |
| 30 | RUBBER AND MISC. PLASTICS PRODUCTS | 39.6 | 39.7 | 41.3 | 40.9 | 41.1 | 2.7 | 2.8 | 3.5 | 3.6 | - |
| 301 | Tires and inner tubes | 40.6 | 40.0 | 41.5 | 42.6 | - | 2.9 | 3.0 | 3.1 | 4.8 | - |
| 302 | Rubber and plastics footwear | 37.2 | 36.6 | 38.6 | 38.7 | - | 1.4 | 1.0 | 1.7 | 1.2 | - |
| 303, 4 | Reclaimed rubber, and rubber and plastics hose and belting | 39.9 | 40.6 | 41.1 | 40.9 | - | 2.8 | 2.3 | 3.0 | 3.2 | - |
| 306 | Fabricated rubber products, nec | 39.2 | 39.7 | 40.9 | 39.5 | - | 2.3 | 2.3 | 3.1 | 2.6 | - |
| 307 | Miscellaneous plastics products | 39.5 | 39.7 | 41.4 | 41.0 | - | 2.7 | 3.0 | 3.7 | 3.6 | - |
| 31 | LEATHER AND LEATHER PRODUCTS | 36.1 | 36.2 | 37.8 | 37.7 | 37.9 | 1.2 | 1.2 | 1.6 | 1.3 | - |
| 311 | Leather tanning and finishing | 38.8 | 39.5 | 40.9 | 40.3 | - | 2.0 | 2.5 | 3.7 | 3.0 | - |
| 314 | Footwear, except rubber | 35.6 | 35.9 | 37.6 | 37.3 | - | 1.1 | 1.2 | 1.4 | .9 | - |
| 3143 | Men's footwear, except athletic | 35.1 | 36.1 | 38.2 | 37.8 | - | .8 | .7 | 1.0 | .8 | - |
| 3144 | Women's footwear, except athletic | 35.7 | 35.8 | 37.4 | 37.0 | - | 1.4 | 1.5 | 1.7 | 1.2 | - |
| 316 | Luggage | 34.7 | 36.5 | 39.2 | 38.5 | - | 2.0 | 1.5 | 2.2 | 2.6 | - |
| 317 | Handbags and personal leather goods | 37.5 | 36.3 | 37.7 | 37.0 | - | 1.5 | 1.0 | 1.4 | 1.0 | - |
| - | TRANSPORTATION AND PUBLIC UTILITIES | 39.2 | 39.4 | 39.1 | 39.3 | 39.2 | - | - | - | - | - |
| 4011 | RAILROAD TRANSPORTATION: Class I railroads ² | 42.1 | 42.4 | 42.0 | - | - | - | - | - | - | - |
| 41 | LOCAL AND INTERURBAN PASSENGER TRANSIT | 36.7 | 37.1 | 33.7 | 36.0 | - | - | - | - | - | - |
| 411 | Local and suburban transportation | 39.8 | 39.8 | 38.9 | 38.5 | - | - | - | - | - | - |
| 413 | Intercity highway transportation | 37.1 | 37.6 | 36.2 | 36.8 | - | - | - | - | - | - |
| 42 | TRUCKING AND WAREHOUSING | 38.4 | 38.8 | 39.0 | 38.7 | - | - | - | - | - | - |
| 421, 3 | Trucking and trucking terminals | 38.4 | 38.8 | 39.0 | 38.7 | - | - | - | - | - | - |
| 422 | Public warehousing | 38.0 | 38.5 | 37.8 | 38.1 | - | - | - | - | - | - |
| 46 | PIPE LINES, EXCEPT NATURAL GAS | 43.0 | 42.0 | 41.9 | 42.3 | - | - | - | - | - | - |
| 48 | COMMUNICATION | 39.6 | 39.4 | 39.4 | 39.8 | - | - | - | - | - | - |
| 481 | Telephone communication | 40.0 | 39.9 | 39.9 | 40.5 | - | - | - | - | - | - |
| 4817 | Switchboard operating employees ³ | 34.5 | 34.0 | 34.5 | 35.5 | - | - | - | - | - | - |
| 4818 | Line construction employees ⁴ | 42.7 | 42.7 | 42.5 | 43.1 | - | - | - | - | - | - |
| 483 | Radio and television broadcasting | 37.7 | 37.7 | 37.0 | 37.3 | - | - | - | - | - | - |
| 49 | ELECTRIC, GAS, AND SANITARY SERVICES | 41.4 | 41.0 | 41.2 | 41.4 | - | - | - | - | - | - |
| 491 | Electric services | 41.8 | 41.4 | 41.6 | 41.5 | - | - | - | - | - | - |
| 492 | Gas production and distribution | 40.7 | 40.0 | 40.9 | 40.5 | - | - | - | - | - | - |
| 493 | Combination utility services | 41.4 | 41.2 | 40.8 | 42.0 | - | - | - | - | - | - |
| 495 | Sanitary services | 41.0 | 41.3 | 42.0 | 42.1 | - | - | - | - | - | - |
| - | WHOLESALE AND RETAIL TRADE | 32.6 | 32.5 | 32.1 | 32.5 | 32.5 | - | - | - | - | - |
| 50, 51 | WHOLESALE TRADE | 38.7 | 38.6 | 38.7 | 38.8 | 38.7 | - | - | - | - | - |
| 50 | WHOLESALE TRADE-DURABLE GOODS | 39.0 | 39.0 | 39.1 | 39.1 | - | - | - | - | - | - |
| 501 | Motor vehicles and automotive equipment | 38.8 | 38.5 | 38.9 | 38.8 | - | - | - | - | - | - |
| 502 | Furniture and home furnishings | 37.2 | 37.6 | 37.3 | 37.1 | - | - | - | - | - | - |
| 503 | Lumber and construction materials | 39.2 | 39.0 | 39.4 | 39.5 | - | - | - | - | - | - |
| 504 | Sporting goods, toys, and hobby goods | 38.0 | 38.7 | 38.2 | 37.9 | - | - | - | - | - | - |

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|--|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983E | Aug. 1983P |
| | WHOLESALE TRADE-DURABLE GOODS—Continued | | | | | | | | | | |
| 505 | Metals and minerals, except petroleum | \$352.30 | \$355.94 | \$365.42 | \$361.03 | - | \$9.08 | \$9.08 | \$9.09 | \$9.14 | - |
| 506 | Electrical goods | 336.15 | 338.52 | 342.60 | 343.93 | - | 8.51 | 8.57 | 8.83 | 8.91 | - |
| 507 | Hardware, plumbing, and heating equipment | 290.25 | 291.75 | 304.98 | 306.53 | - | 7.50 | 7.50 | 7.84 | 7.88 | - |
| 508 | Machinery, equipment, and supplies | 322.29 | 323.44 | 339.77 | 341.35 | - | 8.18 | 8.23 | 8.58 | 8.62 | - |
| 509 | Miscellaneous durable goods | 249.29 | 248.82 | 263.42 | 263.89 | - | 6.63 | 6.60 | 6.86 | 6.89 | - |
| 51 | WHOLESALE TRADE-NONDURABLE GOODS | 310.18 | 310.46 | 322.71 | 326.70 | - | 8.12 | 8.17 | 8.47 | 8.53 | - |
| 511 | Paper and paper products | 329.25 | 331.50 | 337.44 | 341.12 | - | 8.78 | 8.84 | 9.12 | 9.17 | - |
| 512 | Drugs, proprietaries, and sundries | 334.40 | 335.02 | 349.48 | 354.74 | - | 8.87 | 8.91 | 9.27 | 9.36 | - |
| 513 | Apparel, piece goods, and notions | 268.63 | 281.15 | 302.66 | 304.79 | - | 7.38 | 7.64 | 8.18 | 8.26 | - |
| 514 | Groceries and related products | 309.93 | 313.29 | 323.71 | 330.19 | - | 8.05 | 8.18 | 8.43 | 8.51 | - |
| 516 | Chemicals and allied products | 375.39 | 369.02 | 388.28 | 388.68 | - | 9.65 | 9.56 | 9.88 | 9.84 | - |
| 517 | Petroleum and petroleum products | 378.50 | 376.99 | 390.84 | 393.96 | - | 9.51 | 9.52 | 9.82 | 9.80 | - |
| 518 | Beer, wine, and distilled beverages | 357.93 | 355.62 | 375.22 | 379.04 | - | 9.70 | 9.69 | 10.28 | 10.30 | - |
| 519 | Miscellaneous nondurable goods | 254.41 | 254.79 | 259.24 | 259.00 | - | 6.66 | 6.67 | 6.84 | 6.87 | - |
| 52-59 | RETAIL TRADE | 167.93 | 167.62 | 171.87 | 175.03 | \$174.42 | 5.47 | 5.46 | 5.71 | 5.72 | \$5.70 |
| 52 | BUILDING MATERIALS AND GARDEN SUPPLIES | 223.34 | 220.83 | 224.80 | 228.13 | - | 6.02 | 6.05 | 6.21 | 6.25 | - |
| 521 | Lumber and other building materials | 241.88 | 237.88 | 239.30 | 240.96 | - | 6.25 | 6.26 | 6.45 | 6.46 | - |
| 525 | Hardware stores | 184.28 | 182.34 | 186.73 | 189.06 | - | 5.25 | 5.27 | 5.46 | 5.48 | - |
| 53 | GENERAL MERCHANDISE STORES | 161.76 | 161.22 | 166.91 | 170.59 | - | 5.41 | 5.41 | 5.62 | 5.63 | - |
| 531 | Department stores | 167.44 | 167.21 | 172.27 | 176.37 | - | 5.60 | 5.63 | 5.82 | 5.84 | - |
| 533 | Variety stores | 130.23 | 126.00 | 132.28 | 134.03 | - | 4.37 | 4.20 | 4.38 | 4.38 | - |
| 539 | Misc. general merchandise stores | 135.60 | 134.42 | 138.76 | 141.16 | - | 4.36 | 4.35 | 4.52 | 4.51 | - |
| 54 | FOOD STORES | 229.60 | 227.02 | 231.26 | 235.74 | - | 7.22 | 7.23 | 7.46 | 7.46 | - |
| 541 | Grocery stores | 239.25 | 237.32 | 241.64 | 246.59 | - | 7.50 | 7.51 | 7.72 | 7.73 | - |
| 546 | Retail bakeries | 147.50 | 148.89 | 145.51 | 144.33 | - | 5.00 | 5.03 | 5.16 | 5.10 | - |
| 55 | AUTOMOTIVE DEALERS AND SERVICE STATIONS | 237.89 | 238.26 | 253.39 | 255.19 | - | 6.31 | 6.32 | 6.83 | 6.86 | - |
| 551, 2 | New and used car dealers | 279.27 | 281.53 | 312.04 | 312.61 | - | 7.33 | 7.37 | 8.19 | 8.27 | - |
| 553 | Auto and home supply stores | 247.05 | 246.63 | 248.67 | 249.15 | - | 6.07 | 6.03 | 6.21 | 6.26 | - |
| 554 | Gasoline service stations | 160.58 | 178.86 | 181.31 | 181.82 | - | 5.03 | 5.01 | 5.21 | 5.18 | - |
| 56 | APPAREL AND ACCESSORY STORES | 140.84 | 139.49 | 142.57 | 143.14 | - | 4.84 | 4.81 | 5.02 | 4.97 | - |
| 561 | Men's and boys' clothing and furnishings | 176.96 | 173.22 | 177.37 | 181.07 | - | 5.53 | 5.43 | 5.74 | 5.73 | - |
| 562 | Women's ready-to-wear stores | 126.73 | 124.65 | 130.38 | 131.41 | - | 4.51 | 4.50 | 4.69 | 4.66 | - |
| 565 | Family clothing stores | 141.60 | 140.42 | 142.14 | 142.35 | - | 4.80 | 4.76 | 4.97 | 4.96 | - |
| 566 | Shoe stores | 142.43 | 144.83 | 148.82 | 147.58 | - | 4.98 | 4.96 | 5.24 | 5.16 | - |
| 57 | FURNITURE AND HOME FURNISHINGS STORES | 215.56 | 216.60 | 222.64 | 226.63 | - | 6.23 | 6.26 | 6.51 | 6.55 | - |
| 571 | Furniture and home furnishings stores | 213.75 | 215.12 | 222.95 | 225.20 | - | 6.25 | 6.29 | 6.50 | 6.49 | - |
| 572 | Household appliance stores | 233.99 | 232.17 | 238.05 | 243.25 | - | 6.61 | 6.54 | 6.92 | 6.99 | - |
| 573 | Radio, television, and music stores | 210.50 | 213.31 | 213.32 | 222.91 | - | 5.98 | 6.06 | 6.33 | 6.48 | - |
| 58 | EATING AND DRINKING PLACES⁵ | 109.89 | 111.79 | 113.16 | 115.87 | - | 4.07 | 4.08 | 4.27 | 4.26 | - |
| 59 | MISCELLANEOUS RETAIL | 169.91 | 170.86 | 174.53 | 177.41 | - | 5.36 | 5.39 | 5.63 | 5.65 | - |
| 591 | Drug stores and proprietary stores | 152.28 | 152.44 | 153.22 | 156.80 | - | 5.11 | 5.15 | 5.32 | 5.37 | - |
| 594 | Miscellaneous shopping goods stores | 155.06 | 155.43 | 154.83 | 158.21 | - | 4.97 | 4.95 | 5.11 | 5.12 | - |
| 596 | Nonstore retailers | 202.34 | 206.84 | 215.45 | 217.70 | - | 6.15 | 6.23 | 6.47 | 6.46 | - |
| 598 | Fuel and ice dealers | 270.89 | 267.67 | 285.00 | 285.38 | - | 7.11 | 7.10 | 7.60 | 7.59 | - |
| 599 | Retail stores, nec | 180.28 | 186.58 | 194.04 | 196.02 | - | 5.43 | 5.52 | 5.88 | 5.94 | - |
| - | FINANCE, INSURANCE, AND REAL ESTATE⁶ | 245.07 | 249.02 | 262.09 | 264.26 | 262.45 | 6.77 | 6.86 | 7.26 | 7.30 | 7.25 |
| 60 | BANKING | 213.96 | 217.86 | 225.32 | 227.40 | - | 5.83 | 5.92 | 6.19 | 6.23 | - |
| 602 | Commercial and stock savings banks | 209.39 | 211.60 | 220.22 | 222.65 | - | 5.69 | 5.75 | 6.05 | 6.10 | - |
| 61 | CREDIT AGENCIES OTHER THAN BANKS | 220.70 | 224.85 | 233.14 | 237.27 | - | 6.03 | 6.11 | 6.37 | 6.43 | - |
| 612 | Savings and loan associations | 200.63 | 204.33 | 204.92 | 210.46 | - | 5.62 | 5.66 | 5.74 | 5.83 | - |
| 614 | Personal credit institutions | 224.55 | 228.28 | 242.25 | 247.31 | - | 6.02 | 6.12 | 6.46 | 6.56 | - |
| 63 | INSURANCE CARRIERS | 263.42 | 287.23 | 304.22 | 305.70 | - | 7.66 | 7.68 | 8.20 | 8.24 | - |
| 631 | Life insurance | 289.75 | 290.19 | 307.91 | 310.22 | - | 7.81 | 7.78 | 8.39 | 8.43 | - |
| 632 | Medical service and health insurance | 270.83 | 273.39 | 291.80 | 291.31 | - | 7.30 | 7.31 | 7.74 | 7.81 | - |
| 633 | Fire, marine, and casualty insurance | 280.39 | 287.21 | 302.37 | 303.40 | - | 7.64 | 7.70 | 8.15 | 8.20 | - |

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|--|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| | WHOLESALE TRADE-DURABLE GOODS—Continued | | | | | | | | | | |
| 505 | Metals and minerals, except petroleum | 38.8 | 39.2 | 40.2 | 39.5 | - | - | - | - | - | |
| 506 | Electrical goods | 39.5 | 39.5 | 38.8 | 38.6 | - | - | - | - | - | |
| 507 | Hardware, plumbing, and heating equipment | 38.7 | 38.9 | 38.9 | 38.9 | - | - | - | - | - | |
| 508 | Machinery, equipment, and supplies | 39.4 | 39.3 | 39.6 | 39.6 | - | - | - | - | - | |
| 509 | Miscellaneous durable goods | 37.6 | 37.7 | 38.4 | 38.3 | - | - | - | - | - | |
| 51 | WHOLESALE TRADE-NONDURABLE GOODS .. | 38.2 | 38.0 | 38.1 | 38.3 | - | - | - | - | - | |
| 511 | Paper and paper products | 37.5 | 37.5 | 37.0 | 37.2 | - | - | - | - | - | |
| 512 | Drugs, proprietaries, and sundries | 37.7 | 37.6 | 37.7 | 37.9 | - | - | - | - | - | |
| 513 | Apparel, piece goods, and notions | 36.4 | 36.8 | 37.0 | 36.9 | - | - | - | - | - | |
| 514 | Groceries and related products | 38.5 | 38.3 | 38.4 | 38.8 | - | - | - | - | - | |
| 516 | Chemicals and allied products | 38.9 | 38.6 | 39.3 | 39.5 | - | - | - | - | - | |
| 517 | Petroleum and petroleum products | 39.8 | 39.6 | 39.8 | 40.2 | - | - | - | - | - | |
| 518 | Beer, wine, and distilled beverages | 36.9 | 36.7 | 36.5 | 36.8 | - | - | - | - | - | |
| 519 | Miscellaneous nondurable goods | 38.2 | 38.2 | 37.9 | 37.7 | - | - | - | - | - | |
| 52-59 | RETAIL TRADE | 30.7 | 30.7 | 30.1 | 30.6 | 30.6 | - | - | - | - | |
| 52 | BUILDING MATERIALS AND GARDEN SUPPLIES | 37.1 | 36.5 | 36.2 | 36.5 | - | - | - | - | - | |
| 521 | Lumber and other building materials | 38.7 | 38.0 | 37.1 | 37.3 | - | - | - | - | - | |
| 525 | Hardware stores | 35.1 | 34.6 | 34.2 | 34.5 | - | - | - | - | - | |
| 53 | GENERAL MERCHANDISE STORES | 29.9 | 29.8 | 29.7 | 30.3 | - | - | - | - | - | |
| 531 | Department stores | 29.9 | 29.7 | 29.6 | 30.2 | - | - | - | - | - | |
| 533 | Variety stores | 29.8 | 30.0 | 30.2 | 30.6 | - | - | - | - | - | |
| 539 | Misc. general merchandise stores | 31.1 | 30.9 | 30.7 | 31.3 | - | - | - | - | - | |
| 54 | FOOD STORES | 31.8 | 31.4 | 31.0 | 31.6 | - | - | - | - | - | |
| 541 | Grocery stores | 31.9 | 31.6 | 31.3 | 31.9 | - | - | - | - | - | |
| 546 | Retail bakeries | 29.5 | 29.6 | 28.2 | 28.3 | - | - | - | - | - | |
| 55 | AUTOMOTIVE DEALERS AND SERVICE STATIONS | 37.7 | 37.7 | 37.1 | 37.2 | - | - | - | - | - | |
| 551, 2 | New and used car dealers | 38.1 | 38.2 | 38.1 | 37.8 | - | - | - | - | - | |
| 553 | Auto and home supply stores | 40.7 | 40.9 | 39.4 | 39.8 | - | - | - | - | - | |
| 554 | Gasoline service stations | 35.9 | 35.7 | 34.8 | 35.1 | - | - | - | - | - | |
| 56 | APPAREL AND ACCESSORY STORES | 29.1 | 29.0 | 28.4 | 28.8 | - | - | - | - | - | |
| 561 | Men's and boys' clothing and furnishings | 32.0 | 31.9 | 30.9 | 31.6 | - | - | - | - | - | |
| 562 | Women's ready-to-wear stores | 26.1 | 27.7 | 27.8 | 28.2 | - | - | - | - | - | |
| 565 | Family clothing stores | 29.5 | 29.5 | 28.6 | 28.7 | - | - | - | - | - | |
| 566 | Shoe stores | 26.6 | 29.2 | 28.4 | 28.6 | - | - | - | - | - | |
| 57 | FURNITURE AND HOME FURNISHINGS STORES | 34.6 | 34.6 | 34.2 | 34.6 | - | - | - | - | - | |
| 571 | Furniture and home furnishings stores | 34.2 | 34.2 | 34.3 | 34.7 | - | - | - | - | - | |
| 572 | Household appliance stores | 35.4 | 35.5 | 34.4 | 34.8 | - | - | - | - | - | |
| 573 | Radio, television, and music stores | 35.2 | 35.2 | 33.7 | 34.4 | - | - | - | - | - | |
| 58 | EATING AND DRINKING PLACES | 27.0 | 27.4 | 26.5 | 27.2 | - | - | - | - | - | |
| 59 | MISCELLANEOUS RETAIL | 31.7 | 31.7 | 31.0 | 31.4 | - | - | - | - | - | |
| 591 | Drug stores and proprietary stores | 29.8 | 29.6 | 28.8 | 29.2 | - | - | - | - | - | |
| 594 | Miscellaneous shopping goods stores | 31.2 | 31.4 | 30.3 | 30.9 | - | - | - | - | - | |
| 596 | Nonstore retailers | 32.9 | 33.2 | 33.3 | 33.7 | - | - | - | - | - | |
| 598 | Fuel and ice dealers | 38.1 | 37.7 | 37.5 | 37.6 | - | - | - | - | - | |
| 599 | Retail stores, nec | 33.2 | 33.8 | 33.0 | 33.0 | - | - | - | - | - | |
| - | FINANCE, INSURANCE, AND REAL ESTATE | 36.2 | 36.3 | 36.1 | 36.2 | 36.2 | - | - | - | - | |
| 60 | BANKING | 36.7 | 36.8 | 36.4 | 36.5 | - | - | - | - | - | |
| 602 | Commercial and stock savings banks | 36.8 | 36.8 | 36.4 | 36.5 | - | - | - | - | - | |
| 61 | CREDIT AGENCIES OTHER THAN BANKS | 36.6 | 36.8 | 36.6 | 36.9 | - | - | - | - | - | |
| 612 | Savings and loan associations | 35.7 | 36.1 | 35.7 | 36.1 | - | - | - | - | - | |
| 614 | Personal credit institutions | 37.3 | 37.3 | 37.5 | 37.7 | - | - | - | - | - | |
| 63 | INSURANCE CARRIERS | 37.0 | 37.4 | 37.1 | 37.1 | - | - | - | - | - | |
| 631 | Life insurance | 37.1 | 37.3 | 36.7 | 36.8 | - | - | - | - | - | |
| 632 | Medical service and health insurance | 37.1 | 37.4 | 37.7 | 37.3 | - | - | - | - | - | |
| 633 | Fire, marine, and casualty insurance | 36.7 | 37.3 | 37.1 | 37.0 | - | - | - | - | - | |

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 SIC Code | Industry | Average weekly earnings | | | | | Average hourly earnings | | | | |
|---------------------|---|-------------------------|--------------|--------------|---------------|---------------|-------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| -- | SERVICES | \$227.40 | \$227.70 | \$236.88 | \$237.66 | \$236.61 | \$6.87 | \$6.90 | \$7.20 | \$7.18 | \$7.17 |
| | HOTELS AND OTHER LODGING PLACES: | | | | | | | | | | |
| 701 | Hotels, motels, and tourist courts ⁵ | 153.82 | 157.23 | 162.44 | 163.59 | - | 4.93 | 4.96 | 5.24 | 5.21 | - |
| | PERSONAL SERVICES: | | | | | | | | | | |
| 721 | Laundry, cleaning, and garment services | 171.31 | 172.16 | 184.62 | 181.78 | - | 5.16 | 5.17 | 5.43 | 5.41 | - |
| 723 | Beauty shops ⁵ | 160.68 | 155.44 | 156.13 | 157.01 | - | 5.41 | 5.36 | 5.44 | 5.49 | - |
| | BUSINESS SERVICES | | | | | | | | | | |
| 73 | Advertising | 229.60 | 231.99 | 245.49 | 244.42 | - | 7.00 | 7.03 | 7.35 | 7.34 | - |
| 731 | Services to buildings | 331.36 | 340.33 | 349.08 | 353.32 | - | 9.23 | 9.48 | 9.59 | 9.68 | - |
| 734 | Computer and data processing services | 154.94 | 154.10 | 167.48 | 169.96 | - | 5.76 | 5.75 | 5.96 | 6.07 | - |
| 737 | ..... | 316.60 | 325.73 | 344.51 | 345.65 | - | 8.58 | 8.64 | 9.09 | 9.12 | - |
| | AUTO REPAIR, SERVICES, AND GARAGES | | | | | | | | | | |
| 75 | Automotive repair shops | 255.94 | 254.60 | 262.89 | 263.96 | - | 6.70 | 6.70 | 6.90 | 6.91 | - |
| 753 | ..... | 282.96 | 280.80 | 290.86 | 291.65 | - | 7.20 | 7.20 | 7.42 | 7.44 | - |
| 76 | MISCELLANEOUS REPAIR SERVICES | 312.78 | 309.16 | 318.20 | 318.45 | - | 8.02 | 8.03 | 8.18 | 8.25 | - |
| | MOTION PICTURES | | | | | | | | | | |
| 78 | Motion picture production and services | 241.40 | 242.81 | 263.76 | 260.21 | - | 8.50 | 8.49 | 9.42 | 9.26 | - |
| 781 | ..... | 483.12 | 490.27 | 535.44 | 533.67 | - | 13.20 | 12.97 | 13.80 | 13.79 | - |
| 79 | AMUSEMENT AND RECREATION SERVICES | 190.40 | 184.18 | 197.51 | 195.70 | - | 5.95 | 5.81 | 6.29 | 6.04 | - |
| | HEALTH SERVICES | | | | | | | | | | |
| 80 | Offices of physicians | 233.60 | 232.36 | 239.11 | 242.22 | - | 7.00 | 7.02 | 7.29 | 7.34 | - |
| 801 | Offices of dentists | 217.28 | 219.15 | 224.82 | 226.51 | - | 6.79 | 6.87 | 7.16 | 7.26 | - |
| 802 | Nursing and personal care facilities | 191.87 | 191.48 | 198.24 | 197.81 | - | 6.78 | 6.79 | 7.08 | 7.09 | - |
| 805 | Hospitals | 156.98 | 155.03 | 159.26 | 163.58 | - | 4.86 | 4.86 | 5.04 | 5.08 | - |
| 806 | ..... | 264.83 | 262.89 | 276.46 | 280.61 | - | 7.61 | 7.62 | 8.06 | 8.11 | - |
| 81 | LEGAL SERVICES | 306.59 | 308.48 | 320.63 | 325.38 | - | 8.81 | 8.89 | 9.24 | 9.27 | - |
| | MISCELLANEOUS SERVICES | | | | | | | | | | |
| 89 | Engineering and architectural services | 397.70 | 403.78 | 410.50 | 415.55 | - | 10.25 | 10.38 | 10.58 | 10.71 | - |
| 891 | Accounting, auditing, and bookkeeping | 431.34 | 437.27 | 452.53 | 456.51 | - | 10.92 | 11.07 | 11.37 | 11.47 | - |
| 893 | ..... | 328.04 | 332.88 | 339.07 | 345.11 | - | 8.61 | 8.76 | 8.97 | 9.13 | - |

¹ For coverage of series, see footnote 1, table B-2.

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

³ 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.

⁴ 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.

⁵ Money payments only; tips, not included.

⁶ Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: Data from April 1982 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" under the Establishment Data section of the Explanatory Notes.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

| 1972 SIC Code | Industry | Average weekly hours | | | | | Average overtime hours | | | | |
|---------------------|--|----------------------|--------------|--------------|---------------|---------------|------------------------|--------------|--------------|---------------|---------------|
| | | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| - | SERVICES | 33.1 | 33.0 | 32.9 | 33.1 | 33.0 | - | - | - | - | - |
| 701 | HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts ² | 31.2 | 31.7 | 31.0 | 31.4 | - | - | - | - | - | - |
| | PERSONAL SERVICES: | | | | | | | | | | |
| 721 | Laundry, cleaning, and garment services | 33.2 | 33.3 | 34.0 | 33.6 | - | - | - | - | - | |
| 723 | Beauty shops ² | 29.7 | 29.0 | 26.7 | 28.6 | - | - | - | - | - | |
| 73 | BUSINESS SERVICES | 32.8 | 33.0 | 33.4 | 33.3 | - | - | - | - | - | |
| 731 | Advertising | 35.9 | 35.9 | 36.4 | 36.5 | - | - | - | - | - | |
| 734 | Services to buildings | 26.9 | 26.8 | 28.1 | 28.0 | - | - | - | - | - | |
| 737 | Computer and data processing services | 36.9 | 37.7 | 37.9 | 37.9 | - | - | - | - | - | |
| 75 | AUTO REPAIR, SERVICES, AND GARAGES | 38.2 | 38.0 | 38.1 | 38.2 | - | - | - | - | - | |
| 753 | Automotive repair shops | 39.3 | 39.0 | 39.2 | 39.2 | - | - | - | - | - | |
| 76 | MISCELLANEOUS REPAIR SERVICES | 39.0 | 38.5 | 38.9 | 38.6 | - | - | - | - | - | |
| 78 | MOTION PICTURES | 28.4 | 28.6 | 28.0 | 28.1 | - | - | - | - | - | |
| 781 | Motion picture production and services | 36.6 | 37.8 | 38.8 | 38.7 | - | - | - | - | - | |
| 79 | AMUSEMENT AND RECREATION SERVICES | 32.0 | 31.7 | 31.4 | 32.4 | - | - | - | - | - | |
| 80 | HEALTH SERVICES | 33.4 | 33.1 | 32.8 | 33.0 | - | - | - | - | - | |
| 801 | Offices of physicians | 32.0 | 31.9 | 31.4 | 31.2 | - | - | - | - | - | |
| 802 | Offices of dentists | 28.3 | 28.2 | 28.0 | 27.9 | - | - | - | - | - | |
| 805 | Nursing and personal care facilities | 32.3 | 31.9 | 31.6 | 32.2 | - | - | - | - | - | |
| 806 | Hospitals | 34.8 | 34.5 | 34.3 | 34.6 | - | - | - | - | - | |
| 81 | LEGAL SERVICES | 34.8 | 34.7 | 34.7 | 35.1 | - | - | - | - | - | |
| 89 | MISCELLANEOUS SERVICES | 38.8 | 38.9 | 38.8 | 38.8 | - | - | - | - | - | |
| 891 | Engineering and architectural services | 39.5 | 39.5 | 39.8 | 39.8 | - | - | - | - | - | |
| 893 | Accounting, auditing, and bookkeeping | 38.1 | 38.0 | 37.8 | 37.8 | - | - | - | - | - | |

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

| Major industry group | Average hourly earnings excluding overtime ¹ | | | | |
|--|---|-----------|-----------|------------|------------|
| | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
| MANUFACTURING | \$8.31 | \$8.26 | \$8.49 | \$8.54 | \$8.45 |
| DURABLE GOODS | 8.87 | 8.85 | 9.04 | 9.07 | 8.98 |
| Lumber and wood products | 7.35 | 7.32 | 7.53 | 7.50 | - |
| Furniture and fixtures | 6.21 | 6.23 | 6.41 | 6.47 | - |
| Stone, clay, and glass products | 8.53 | 8.52 | 8.82 | 8.85 | - |
| Primary metal industries | 11.07 | 11.19 | 10.84 | 10.95 | - |
| Fabricated metal products | 8.63 | 8.63 | 8.80 | 8.79 | - |
| Machinery, except electrical | 9.09 | 9.12 | 9.34 | 9.37 | - |
| Electric and electronic equipment | 8.05 | 8.11 | 8.37 | 8.42 | - |
| Transportation equipment | 10.85 | 10.80 | 11.11 | 11.11 | - |
| Instruments and related products | 7.99 | 8.01 | 8.28 | 8.35 | - |
| Miscellaneous manufacturing industries | 6.31 | 6.27 | 6.65 | 6.69 | - |
| NONDURABLE GOODS | 7.52 | 7.48 | 7.75 | 7.81 | 7.74 |
| Food and kindred products | 7.52 | 7.49 | 7.83 | 7.80 | - |
| Tobacco manufactures | 10.22 | 9.29 | 10.68 | 10.64 | - |
| Textile mill products | 5.67 | 5.66 | 5.89 | 5.91 | - |
| Apparel and other textile products | 5.13 | 5.12 | 5.26 | 5.27 | - |
| Paper and allied products | 8.98 | 9.01 | 9.41 | 9.54 | - |
| Printing and publishing | 8.51 | 8.54 | 8.79 | 8.80 | - |
| Chemicals and allied products | 9.69 | 9.69 | 10.13 | 10.17 | - |
| Petroleum and coal products | 11.87 | 11.85 | 12.59 | 12.58 | - |
| Rubber and misc. plastics products | 7.42 | 7.40 | 7.64 | 7.72 | - |
| Leather and leather products | 5.21 | 5.24 | 5.38 | 5.42 | - |

¹ Derived by assuming that overtime hours are paid at the rate of time and one-half. p = preliminary.

C-4. Gross average weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

| Industry | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
|---|-----------|-----------|-----------|------------|------------|
| TOTAL PRIVATE: | | | | | |
| Current dollars | \$270.34 | \$271.04 | \$280.54 | \$282.85 | \$281.08 |
| Constant (1977) dollars | 168.12 | 168.24 | 171.37 | 172.15 | - |
| MINING: | | | | | |
| Current dollars | 461.55 | 461.31 | 478.13 | 475.02 | \$470.95 |
| Constant (1977) dollars | 287.03 | 286.35 | 292.08 | 289.12 | - |
| CONSTRUCTION: | | | | | |
| Current dollars | 440.42 | 438.42 | 444.95 | 450.00 | \$449.12 |
| Constant (1977) dollars | 273.89 | 272.14 | 271.81 | 273.89 | - |
| MANUFACTURING: | | | | | |
| Current dollars | 332.60 | 331.89 | 355.04 | 354.00 | \$353.36 |
| Constant (1977) dollars | 206.64 | 206.01 | 216.88 | 215.46 | - |
| TRANSPORTATION AND PUBLIC UTILITIES: | | | | | |
| Current dollars | 403.37 | 410.55 | 419.54 | 426.80 | \$422.18 |
| Constant (1977) dollars | 250.85 | 254.84 | 256.29 | 259.77 | - |
| WHOLESALE AND RETAIL TRADE: | | | | | |
| Current dollars | 202.12 | 201.50 | 207.37 | 210.28 | \$209.95 |
| Constant (1977) dollars | 125.70 | 125.08 | 126.68 | 127.99 | - |
| FINANCE, INSURANCE, AND REAL ESTATE: | | | | | |
| Current dollars | 245.07 | 249.02 | 262.09 | 264.26 | \$262.45 |
| Constant (1977) dollars | 152.41 | 154.57 | 160.10 | 160.84 | - |
| SERVICES: | | | | | |
| Current dollars | 227.40 | 227.70 | 236.88 | 237.66 | \$236.61 |
| Constant (1977) dollars | 141.42 | 141.34 | 144.70 | 144.65 | - |

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

| Industry division and group | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
|--|--------------|--------------|--------------|---------------|---------------|
| | Hours | | | | |
| TOTAL PRIVATE | 106.2 | 106.1 | 107.3 | 107.9 | 107.4 |
| GOODS-PRODUCING | 91.8 | 92.0 | 93.8 | 93.5 | 95.6 |
| MINING | 130.9 | 128.2 | 114.2 | 114.2 | 115.3 |
| CONSTRUCTION | 111.1 | 110.6 | 108.8 | 113.2 | 115.7 |
| MANUFACTURING | 86.2 | 86.7 | 90.0 | 88.7 | 90.8 |
| DURABLE GOODS | 83.9 | 82.7 | 86.9 | 85.7 | 86.9 |
| Lumber and wood products | 79.4 | 80.6 | 96.9 | 96.5 | 99.9 |
| Furniture and fixtures | 81.1 | 87.0 | 95.1 | 92.5 | 97.8 |
| Stone, clay, and glass products | 82.5 | 82.4 | 85.8 | 85.6 | 87.8 |
| Primary metal industries | 67.6 | 66.1 | 66.4 | 66.2 | 67.2 |
| Fabricated metal products | 80.5 | 80.7 | 83.9 | 81.6 | 85.1 |
| Machinery, except electrical | 89.0 | 85.5 | 82.9 | 82.5 | 83.3 |
| Electric and electronic equipment | 94.3 | 94.0 | 100.5 | 99.5 | 98.8 |
| Transportation equipment | 81.0 | 75.6 | 86.2 | 84.4 | 82.4 |
| Instruments and related products | 106.5 | 106.5 | 101.7 | 100.5 | 101.8 |
| Miscellaneous manufacturing industries | 80.1 | 83.5 | 83.5 | 80.6 | 84.9 |
| NONDURABLE GOODS | 89.6 | 92.7 | 94.6 | 93.2 | 96.5 |
| Food and kindred products | 97.9 | 103.6 | 95.7 | 98.4 | 102.9 |
| Tobacco manufactures | 81.8 | 98.6 | 81.9 | 77.9 | 85.5 |
| Textile mill products | 72.2 | 75.6 | 82.8 | 79.3 | 83.1 |
| Apparel and other textile products | 81.3 | 86.1 | 91.0 | 86.2 | 91.0 |
| Paper and allied products | 92.0 | 92.2 | 95.7 | 94.8 | 95.5 |
| Printing and publishing | 104.5 | 105.3 | 107.9 | 107.6 | 109.0 |
| Chemicals and allied products | 94.4 | 94.9 | 96.7 | 95.5 | 95.9 |
| Petroleum and coal products | 95.7 | 95.8 | 95.0 | 96.2 | 94.4 |
| Rubber and misc. plastics products | 91.3 | 92.8 | 101.8 | 100.2 | 104.0 |
| Leather and leather products | 77.9 | 84.1 | 86.0 | 79.3 | 88.5 |
| SERVICE-PRODUCING | 114.2 | 113.9 | 114.7 | 115.9 | 113.9 |
| TRANSPORTATION AND PUBLIC UTILITIES | 103.0 | 102.8 | 101.3 | 101.0 | 84.9 |
| WHOLESALE AND RETAIL TRADE | 107.4 | 107.2 | 106.4 | 107.7 | 107.8 |
| WHOLESALE TRADE | 110.3 | 109.4 | 108.8 | 109.2 | 109.1 |
| RETAIL TRADE | 106.2 | 106.4 | 105.5 | 107.2 | 107.3 |
| FINANCE, INSURANCE, AND REAL ESTATE | 118.8 | 118.7 | 120.0 | 121.2 | 120.9 |
| SERVICES | 125.1 | 124.6 | 127.9 | 129.5 | 129.5 |

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

| Industry division and group | July 1982 | Aug. 1982 | June 1983 | July 1983P | Aug. 1983P |
|--|--------------|--------------|--------------|---------------|---------------|
| | Payrolls | | | | |
| TOTAL PRIVATE | 155.3 | 155.6 | 162.9 | 164.4 | 162.5 |
| GOODS-PRODUCING | 139.1 | 139.1 | 145.3 | 145.8 | 148.4 |
| MINING | 204.6 | 200.8 | 185.0 | 186.0 | 185.3 |
| CONSTRUCTION | 158.9 | 159.2 | 157.7 | 164.6 | 169.1 |
| MANUFACTURING | 129.8 | 130.0 | 139.6 | 138.4 | 140.6 |
| DURABLE GOODS | 126.1 | 124.0 | 134.3 | 132.9 | 134.0 |
| Lumber and wood products | 118.2 | 119.6 | 149.3 | 147.8 | 153.6 |
| Furniture and fixtures | 118.1 | 127.7 | 144.5 | 141.5 | 150.4 |
| Stone, clay, and glass products | 126.7 | 126.5 | 136.9 | 137.6 | 140.7 |
| Primary metal industries | 103.8 | 102.6 | 100.7 | 101.6 | 102.4 |
| Fabricated metal products | 120.0 | 121.0 | 129.4 | 125.7 | 131.2 |
| Machinery, except electrical | 132.5 | 127.7 | 127.5 | 127.3 | 127.8 |
| Electric and electronic equipment | 144.0 | 144.7 | 160.8 | 160.2 | 157.4 |
| Transportation equipment | 125.1 | 115.9 | 137.5 | 134.7 | 131.2 |
| Instruments and related products | 163.7 | 164.5 | 163.0 | 162.2 | 164.4 |
| Miscellaneous manufacturing industries | 117.7 | 122.4 | 130.4 | 126.2 | 132.5 |
| NONDURABLE GOODS | 136.3 | 140.5 | 148.9 | 147.9 | 152.2 |
| Food and kindred products | 143.5 | 151.6 | 145.7 | 149.7 | 155.8 |
| Tobacco manufactures | 153.9 | 169.2 | 161.3 | 152.1 | 156.2 |
| Textile mill products | 105.2 | 110.5 | 127.9 | 122.6 | 129.1 |
| Apparel and other textile products | 116.6 | 123.5 | 134.7 | 127.3 | 135.3 |
| Paper and allied products | 145.3 | 146.1 | 159.1 | 160.4 | 160.4 |
| Printing and publishing | 149.3 | 151.5 | 159.6 | 159.9 | 163.1 |
| Chemicals and allied products | 146.9 | 147.6 | 158.1 | 156.8 | 158.0 |
| Petroleum and coal products | 151.7 | 151.9 | 159.9 | 162.3 | 159.2 |
| Rubber and misc. plastics products | 135.5 | 137.5 | 156.6 | 156.1 | 160.7 |
| Leather and leather products | 114.4 | 124.2 | 130.9 | 121.2 | 135.5 |
| SERVICE-PRODUCING | 166.9 | 167.4 | 175.4 | 177.5 | 172.5 |
| TRANSPORTATION AND PUBLIC UTILITIES | 151.5 | 153.3 | 155.6 | 157.0 | 130.8 |
| WHOLESALE AND RETAIL TRADE | 155.5 | 155.5 | 160.8 | 163.0 | 162.8 |
| WHOLESALE TRADE | 164.3 | 163.7 | 168.6 | 170.2 | 170.4 |
| RETAIL TRADE | 150.8 | 151.0 | 156.6 | 159.2 | 158.8 |
| FINANCE, INSURANCE, AND REAL ESTATE | 177.2 | 179.4 | 191.8 | 194.7 | 193.1 |
| SERVICES | 184.8 | 184.8 | 197.9 | 199.9 | 199.8 |

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

C-8. Average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

| Industry | 1982 | | | | | 1983 | | | | | | | |
|--|------|-------|------|------|------|------|------|------|------|------|------|-------------------|-------------------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July ^p | Aug. ^p |
| TOTAL PRIVATE | 34.8 | 34.8 | 34.7 | 34.7 | 34.8 | 35.1 | 34.5 | 34.8 | 34.9 | 35.1 | 35.1 | 35.0 | 35.0 |
| MINING | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| CONSTRUCTION | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| MANUFACTURING | 39.0 | 38.8 | 38.9 | 39.0 | 39.0 | 39.7 | 39.2 | 39.5 | 40.1 | 40.0 | 40.1 | 40.2 | 40.3 |
| <i>Overtime hours</i> | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.6 | 2.9 | 2.7 | 2.9 | 3.0 | 3.2 |
| DURABLE GOODS | 39.4 | 39.1 | 39.2 | 39.3 | 39.3 | 40.1 | 39.7 | 39.9 | 40.5 | 40.4 | 40.6 | 40.8 | 40.9 |
| <i>Overtime hours</i> | 2.2 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 | 2.5 | 2.8 | 2.6 | 2.8 | 3.0 | 3.3 |
| Lumber and wood products | 38.2 | 38.4 | 38.1 | 38.7 | 38.8 | 40.5 | 39.5 | 39.5 | 40.0 | 39.8 | 40.0 | 39.9 | 39.8 |
| Furniture and fixtures | 37.8 | 37.5 | 37.5 | 37.6 | 37.8 | 38.6 | 37.9 | 38.3 | 39.3 | 39.2 | 39.6 | 39.8 | 39.4 |
| Stone, clay, and glass products | 40.2 | 40.2 | 40.2 | 40.2 | 40.1 | 41.4 | 40.5 | 40.6 | 41.0 | 41.2 | 41.6 | 41.7 | 41.7 |
| Primary metal industries | 38.6 | 37.8 | 38.2 | 38.3 | 38.8 | 38.9 | 39.1 | 39.4 | 39.9 | 40.3 | 40.3 | 40.8 | 41.2 |
| Fabricated metal products | 39.2 | 38.9 | 39.0 | 39.2 | 39.2 | 39.9 | 39.6 | 39.7 | 40.5 | 40.4 | 40.5 | 40.7 | 40.8 |
| Machinery, except electrical | 39.4 | 39.2 | 39.3 | 39.3 | 35.3 | 39.6 | 39.4 | 39.7 | 40.2 | 40.0 | 40.4 | 40.8 | 41.0 |
| Electric and electronic equipment | 39.3 | 39.0 | 39.2 | 39.3 | 35.4 | 39.9 | 39.5 | 39.6 | 40.4 | 40.3 | 40.5 | 40.8 | 40.8 |
| Transportation equipment | 40.6 | 40.1 | 40.4 | 40.9 | 40.1 | 41.6 | 41.2 | 41.7 | 42.3 | 41.6 | 41.9 | 41.9 | 42.3 |
| Instruments and related products | 40.0 | 39.9 | 39.6 | 39.4 | 39.7 | 40.4 | 39.7 | 40.0 | 40.5 | 40.4 | 40.1 | 40.6 | 40.3 |
| Miscellaneous manufacturing ind | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| NONDURABLE GOODS | 38.5 | 38.6 | 38.5 | 38.6 | 38.6 | 39.1 | 38.5 | 39.0 | 39.5 | 39.4 | 39.6 | 39.5 | 39.4 |
| <i>Overtime hours</i> | 2.5 | 2.6 | 2.6 | 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 3.0 | 2.9 | 3.0 | 3.0 | 3.1 |
| Food and kindred products | 39.2 | 39.4 | 39.5 | 39.4 | 39.1 | 39.3 | 39.0 | 39.2 | 39.6 | 39.4 | 39.8 | 39.4 | 39.4 |
| Tobacco manufactures | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Textile mill products | 38.1 | 38.1 | 38.3 | 38.8 | 38.9 | 39.7 | 39.0 | 39.6 | 40.6 | 40.4 | 40.7 | 40.6 | 40.5 |
| Apparel and other textile products | 35.0 | 35.1 | 35.1 | 35.0 | 35.1 | 36.6 | 35.2 | 35.6 | 36.2 | 36.1 | 36.1 | 35.8 | 36.0 |
| Paper and allied products | 41.7 | 41.6 | 41.7 | 41.7 | 41.7 | 41.8 | 41.4 | 42.1 | 42.4 | 42.7 | 42.8 | 42.8 | 42.6 |
| Printing and publishing | 36.9 | 37.0 | 37.1 | 37.1 | 37.1 | 37.5 | 37.1 | 37.4 | 37.7 | 37.4 | 37.6 | 37.7 | 37.5 |
| Chemicals and allied products | 40.9 | 41.0 | 40.8 | 40.7 | 40.9 | 41.0 | 41.0 | 41.2 | 41.5 | 41.6 | 41.9 | 41.8 | 41.6 |
| Petroleum and coal products | 44.0 | 44.2 | 43.8 | 44.1 | 44.4 | 44.5 | 44.4 | 44.9 | 43.5 | 43.6 | 43.8 | 43.6 | 43.5 |
| Rubber and misc. plastics products | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Leather and leather products | 36.0 | 35.7 | 35.4 | 35.8 | 35.8 | 36.3 | 34.9 | 36.0 | 37.0 | 36.8 | 36.8 | 37.5 | 37.6 |
| TRANSPORTATION AND PUBLIC UTILITIES | 39.2 | 38.8 | 38.8 | 38.9 | 38.9 | 38.6 | 38.6 | 38.8 | 38.8 | 38.9 | 38.9 | 39.0 | 39.0 |
| WHOLESALE AND RETAIL TRADE | 32.0 | 31.9 | 31.9 | 31.8 | 32.1 | 31.9 | 31.4 | 31.7 | 31.7 | 31.9 | 32.0 | 31.9 | 31.8 |
| WHOLESALE TRADE | 38.5 | 38.4 | 38.4 | 38.4 | 38.4 | 38.5 | 38.2 | 38.4 | 38.5 | 38.6 | 38.7 | 38.6 | 38.5 |
| RETAIL TRADE | 29.9 | 29.9 | 29.9 | 29.8 | 30.1 | 29.9 | 29.3 | 29.7 | 29.6 | 29.9 | 29.9 | 29.8 | 29.8 |
| FINANCE, INSURANCE, AND REAL ESTATE | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| SERVICES | 32.6 | 32.8 | 32.6 | 32.6 | 32.6 | 32.9 | 32.5 | 32.7 | 32.7 | 32.9 | 32.7 | 32.6 | 32.6 |

¹ For coverage of series, see footnote 1, table B-2.

² This series is not published seasonally adjusted since the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

p = preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

| Industry division and group | 1982 | | | | | 1983 | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------------------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July ^p | Aug. ^p |
| TOTAL PRIVATE | 104.2 | 103.9 | 102.9 | 102.5 | 102.6 | 104.1 | 102.2 | 103.1 | 104.0 | 105.0 | 105.7 | 106.1 | 105.2 |
| GOODS-PRODUCING | 90.2 | 88.9 | 87.4 | 86.8 | 86.5 | 89.8 | 87.2 | 87.8 | 89.6 | 90.5 | 91.8 | 93.0 | 93.4 |
| MINING | 125.7 | 122.8 | 119.0 | 117.5 | 116.5 | 118.4 | 111.6 | 110.7 | 109.5 | 110.3 | 112.5 | 113.6 | 114.0 |
| CONSTRUCTION | 100.5 | 98.2 | 97.0 | 97.2 | 96.5 | 106.2 | 94.7 | 94.3 | 96.3 | 99.6 | 102.0 | 103.3 | 104.4 |
| MANUFACTURING | 86.6 | 85.6 | 84.0 | 83.3 | 83.1 | 85.5 | 84.1 | 85.4 | 87.4 | 87.8 | 88.8 | 90.1 | 90.3 |
| DURABLE GOODS | 83.9 | 82.0 | 79.9 | 79.0 | 78.8 | 81.4 | 80.4 | 81.6 | 83.7 | 84.3 | 85.4 | 87.2 | 87.7 |
| Lumber and wood products | 76.9 | 77.4 | 76.1 | 78.1 | 78.6 | 84.9 | 83.1 | 85.1 | 88.0 | 89.2 | 92.2 | 93.3 | 94.7 |
| Furniture and fixtures | 87.5 | 85.3 | 84.3 | 84.5 | 85.2 | 88.0 | 84.7 | 87.9 | 92.0 | 93.1 | 94.8 | 97.2 | 97.3 |
| Stone, clay, and glass products | 75.9 | 75.3 | 78.2 | 76.7 | 75.8 | 78.9 | 76.6 | 78.1 | 80.0 | 81.3 | 82.5 | 83.4 | 84.5 |
| Primary metal industries | 67.3 | 63.6 | 60.9 | 59.6 | 60.0 | 61.2 | 61.0 | 62.2 | 63.7 | 65.1 | 65.2 | 67.1 | 67.7 |
| Fabricated metal products | 81.5 | 79.7 | 77.9 | 77.0 | 76.9 | 79.2 | 78.9 | 79.4 | 81.4 | 82.0 | 82.8 | 83.8 | 85.6 |
| Machinery, except electrical | 88.0 | 85.8 | 82.3 | 80.4 | 79.6 | 79.4 | 78.4 | 78.7 | 80.0 | 81.4 | 82.4 | 84.8 | 86.1 |
| Electric and electronic equipment | 95.6 | 93.5 | 92.3 | 91.8 | 91.2 | 94.3 | 93.2 | 95.2 | 97.6 | 98.0 | 99.6 | 101.7 | 99.8 |
| Transportation equipment | 80.4 | 78.3 | 75.2 | 74.6 | 75.0 | 79.4 | 80.1 | 81.0 | 83.7 | 82.9 | 84.2 | 86.5 | 87.1 |
| Instruments and related products | 107.2 | 105.9 | 103.0 | 101.2 | 100.9 | 102.7 | 99.1 | 100.6 | 101.9 | 101.7 | 100.4 | 101.6 | 101.7 |
| Miscellaneous manufacturing ind | 82.1 | 80.8 | 80.9 | 79.4 | 78.4 | 81.0 | 77.7 | 80.7 | 82.9 | 82.4 | 82.7 | 83.6 | 83.4 |
| NONDURABLE GOODS | 90.5 | 90.8 | 90.1 | 89.7 | 89.5 | 91.7 | 89.6 | 91.0 | 92.8 | 92.9 | 93.9 | 94.3 | 94.1 |
| Food and kindred products | 94.7 | 95.2 | 96.4 | 95.5 | 94.2 | 95.1 | 93.8 | 94.1 | 96.0 | 95.6 | 97.4 | 96.3 | 94.4 |
| Tobacco manufactures | 94.3 | 89.9 | 87.8 | 82.3 | 93.6 | 94.6 | 82.4 | 89.6 | 89.1 | 88.6 | 88.3 | 87.6 | 79.7 |
| Textile mill products | 75.4 | 75.3 | 75.5 | 75.2 | 74.6 | 78.2 | 75.4 | 77.6 | 80.1 | 80.1 | 81.8 | 81.7 | 82.4 |
| Apparel and other textile products | 84.5 | 85.2 | 84.4 | 83.9 | 83.6 | 90.0 | 85.0 | 85.5 | 87.6 | 87.7 | 88.1 | 89.2 | 89.4 |
| Paper and allied products | 51.8 | 92.3 | 91.2 | 91.2 | 90.8 | 91.2 | 90.4 | 92.1 | 93.1 | 94.4 | 94.6 | 95.4 | 95.1 |
| Printing and publishing | 105.1 | 105.6 | 105.6 | 105.6 | 105.6 | 107.0 | 105.6 | 106.5 | 108.1 | 107.5 | 108.7 | 109.2 | 109.2 |
| Chemicals and allied products | 95.0 | 95.5 | 93.9 | 93.5 | 93.9 | 93.8 | 93.6 | 93.7 | 94.7 | 94.7 | 95.5 | 95.9 | 96.3 |
| Petroleum and coal products | 93.1 | 95.7 | 93.4 | 93.9 | 94.2 | 95.4 | 96.2 | 97.6 | 94.6 | 93.3 | 92.9 | 92.5 | 92.3 |
| Rubber and misc. plastics products | 94.0 | 92.9 | 89.8 | 89.1 | 90.0 | 91.1 | 90.9 | 94.9 | 98.5 | 100.2 | 100.6 | 102.9 | 103.7 |
| Leather and leather products | 82.2 | 61.0 | 78.4 | 79.9 | 78.1 | 81.0 | 76.4 | 79.9 | 81.7 | 81.2 | 81.2 | 83.3 | 85.8 |
| SERVICE-PRODUCING | 111.9 | 112.2 | 111.5 | 111.3 | 111.5 | 112.0 | 110.5 | 111.6 | 111.9 | 113.0 | 113.3 | 113.4 | 111.7 |
| TRANSPORTATION AND PUBLIC UTILITIES | 102.1 | 101.2 | 100.6 | 100.7 | 100.5 | 99.0 | 98.6 | 99.1 | 99.6 | 99.9 | 99.9 | 100.0 | 84.2 |
| WHOLESALE AND RETAIL TRADE | 105.2 | 105.1 | 104.3 | 103.5 | 104.0 | 104.3 | 102.1 | 103.9 | 103.6 | 104.7 | 105.4 | 105.3 | 105.3 |
| WHOLESALE TRADE | 108.8 | 108.4 | 107.7 | 107.2 | 106.7 | 106.8 | 105.5 | 106.1 | 106.6 | 107.3 | 108.1 | 108.1 | 108.1 |
| RETAIL TRADE | 103.8 | 103.8 | 103.0 | 102.1 | 103.0 | 103.4 | 100.8 | 103.0 | 102.4 | 103.7 | 104.4 | 104.3 | 104.2 |
| FINANCE, INSURANCE, AND REAL ESTATE | 116.8 | 117.0 | 116.7 | 116.8 | 117.2 | 117.8 | 116.4 | 116.4 | 117.8 | 119.1 | 118.9 | 118.7 | 119.0 |
| SERVICES | 122.1 | 123.3 | 122.5 | 122.8 | 122.9 | 124.1 | 122.5 | 123.9 | 124.7 | 126.1 | 126.1 | 126.3 | 127.0 |

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

| Industry | 1982 | | | | | 1983 | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|-------------------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July ^P | Aug. ^P |
| Hourly Earnings Index² (1977=100) | | | | | | | | | | | | | |
| TOTAL PRIVATE (In current dollars) | 149.6 | 150.0 | 150.7 | 151.1 | 151.9 | 152.7 | 153.4 | 153.4 | 154.0 | 154.6 | 154.8 | 155.2 | 155.0 |
| MINING ³ | 161.0 | 162.8 | 162.1 | 162.9 | 163.0 | 164.7 | 165.1 | 164.0 | 165.7 | 165.0 | 166.4 | 167.8 | 165.6 |
| CONSTRUCTION | 141.4 | 141.6 | 142.9 | 141.9 | 144.0 | 144.0 | 145.7 | 145.5 | 145.9 | 144.5 | 144.6 | 144.1 | 144.3 |
| MANUFACTURING | 154.1 | 154.6 | 154.7 | 155.3 | 155.8 | 156.5 | 157.3 | 157.1 | 157.0 | 157.7 | 157.8 | 158.1 | 157.8 |
| TRANSPORTATION AND PUBLIC UTILITIES | 149.9 | 150.1 | 151.1 | 152.2 | 153.1 | 154.4 | 155.2 | 155.9 | 155.9 | 156.6 | 156.8 | 158.0 | 157.0 |
| WHOLESALE AND RETAIL TRADE | 145.8 | 146.2 | 147.1 | 147.5 | 148.1 | 148.9 | 149.3 | 149.6 | 150.5 | 151.2 | 151.6 | 152.1 | 152.1 |
| FINANCE, INSURANCE, AND REAL ESTATE ³ | 150.1 | 150.6 | 152.0 | 152.7 | 153.0 | 156.7 | 157.4 | 156.7 | 157.4 | 159.0 | 158.2 | 159.0 | 158.5 |
| SERVICES | 149.4 | 149.8 | 150.6 | 150.7 | 152.0 | 152.2 | 152.4 | 152.6 | 154.0 | 154.9 | 155.5 | 155.5 | 155.8 |
| TOTAL PRIVATE (In 1977 dollars) ⁴ | 93.0 | 93.1 | 93.1 | 93.4 | 94.1 | 94.7 | 95.3 | 95.0 | 94.8 | 94.7 | 94.8 | 94.6 | - |
| Average hourly earnings | | | | | | | | | | | | | |
| TOTAL PRIVATE | \$7.73 | \$7.73 | \$7.76 | \$7.78 | \$7.82 | \$7.88 | \$7.91 | \$7.91 | \$7.95 | \$7.97 | \$8.00 | \$8.03 | \$7.97 |
| MINING | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) |
| CONSTRUCTION | 11.65 | 11.66 | 11.77 | 11.71 | 11.88 | 11.86 | 12.00 | 12.00 | 12.02 | 11.86 | 11.85 | 11.82 | 11.84 |
| MANUFACTURING | 8.56 | 8.57 | 8.58 | 8.61 | 8.63 | 8.68 | 8.76 | 8.75 | 8.78 | 8.79 | 8.82 | 8.84 | 8.84 |
| TRANSPORTATION AND PUBLIC UTILITIES | 10.38 | 10.39 | 10.45 | 10.51 | 10.58 | 10.66 | 10.70 | 10.77 | 10.76 | 10.82 | 10.83 | 10.88 | 10.73 |
| WHOLESALE AND RETAIL TRADE | 6.24 | 6.24 | 6.29 | 6.32 | 6.33 | 6.35 | 6.39 | 6.40 | 6.43 | 6.45 | 6.49 | 6.50 | 6.51 |
| FINANCE, INSURANCE, AND REAL ESTATE | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) |
| SERVICES | 6.98 | 7.00 | 7.03 | 7.04 | 7.09 | 7.11 | 7.14 | 7.15 | 7.19 | 7.24 | 7.26 | 7.26 | 7.25 |
| Average weekly earnings | | | | | | | | | | | | | |
| TOTAL PRIVATE: | | | | | | | | | | | | | |
| Current dollars | 269.00 | 269.00 | 269.27 | 269.97 | 272.14 | 276.59 | 272.90 | 275.27 | 277.46 | 279.75 | 280.80 | 281.05 | 278.95 |
| 1977 dollars ³ | 167.18 | 166.98 | 166.32 | 166.96 | 168.61 | 171.48 | 169.61 | 170.45 | 170.85 | 171.42 | 171.85 | 171.37 | - |

¹ For coverage of series, see footnote 1, table B-2.

² 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.

³ 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.

⁴ The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

⁵ See footnote 2, table C-6.

p=preliminary.

C-9. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

| Industry division | Millions of hours (Annual rate) ² | | | Percent change | | |
|---|--|--------------|----------------|------------------------------|------------------------------|------------------------------|
| | June 1983 | July 1983 | August 1983 | Aug. 1982 to Aug. 1983 | June 1983 to July 1983 | July 1983 to Aug. 1983 |
| TOTAL | 167,397 | 168,186 | 167,405 | 1.2 | 0.5 | -0.5 |
| PRIVATE SECTOR | 136,768 | 137,461 | 136,394 | 1.1 | 0.5 | -0.8 |
| MINING | 2,223 | 2,216 | 2,228 | -8.8 | -0.3 | 0.5 |
| CONSTRUCTION | 7,625 | 7,718 | 7,813 | 4.3 | 1.2 | 1.2 |
| MANUFACTURING | 38,650 | 39,044 | 39,092 | 2.9 | 1.0 | 0.1 |
| DURABLE GOODS | 22,760 | 23,099 | 23,172 | 3.0 | 1.5 | 0.3 |
| NONDURABLE GOODS | 15,890 | 15,945 | 15,919 | 2.7 | 0.3 | -0.2 |
| TRANSPORTATION AND PUBLIC UTILITIES | 10,137 | 10,170 | 8,801 | -14.5 | 0.3 | -13.5 |
| WHOLESALE AND RETAIL TRADE | 34,256 | 34,347 | 34,327 | 0.5 | 0.3 | -0.1 |
| FINANCE, INSURANCE, AND REAL ESTATE | 10,279 | 10,301 | 10,316 | 2.1 | 0.2 | 0.1 |
| SERVICES | 33,599 | 33,664 | 33,818 | 4.1 | 0.2 | 0.5 |
| GOVERNMENT | 30,629 | 30,724 | 31,011 | 1.7 | 0.3 | 0.9 |

¹ 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*, BLS Bulletin 2134-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-10. Indexes of output and compensation per hour, unit costs, and prices,
business sector, seasonally adjusted**

(1977 = 100)

| Item | Annual average | | Quarterly indexes | | | | | | | | | | |
|--|----------------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | | 1980 | | 1981 | | | | 1982 | | | | 1983 |
| | 1981 | 1982 | IV | I | II | III | IV | I | II | III | IV | I | II |
| BUSINESS SECTOR: | | | | | | | | | | | | | |
| Output per hour of all persons | 101.3 | 101.2 | 99.1 | 100.5 | 101.1 | 102.3 | 101.2 | 101.1 | 100.7 | 101.1 | 101.9 | 102.5 | r103.9 |
| Output | 109.8 | 106.7 | 107.0 | 109.2 | 109.8 | 111.2 | 108.9 | 107.2 | 106.9 | 106.6 | 106.0 | 107.1 | r110.3 |
| Hours | 108.4 | 105.4 | 108.0 | 108.6 | 108.6 | 108.7 | 107.7 | 106.0 | 106.2 | 105.4 | 104.0 | 104.5 | 106.2 |
| Compensation per hour | 143.9 | 155.1 | 136.0 | 139.7 | 142.2 | 145.5 | 148.2 | 151.6 | 153.9 | 156.5 | 158.7 | 160.7 | r162.1 |
| Real compensation per hour | 95.9 | 97.4 | 96.1 | 96.3 | 96.1 | 95.6 | 95.6 | 97.1 | 97.4 | 97.1 | 98.0 | 99.4 | r99.2 |
| Unit labor costs | 142.1 | 153.3 | 137.2 | 139.0 | 140.7 | 142.3 | 146.4 | 149.9 | 152.9 | 154.7 | 155.6 | 156.9 | r156.1 |
| Unit nonlabor payments | 136.2 | 136.9 | 124.2 | 131.2 | 133.4 | 139.9 | 140.2 | 137.0 | 137.0 | 136.3 | 137.4 | 140.8 | r145.8 |
| Implicit price deflator | 140.1 | 147.7 | 132.8 | 136.3 | 138.2 | 141.5 | 144.3 | 145.5 | 147.5 | 148.5 | 149.4 | 151.5 | r152.6 |
| NONFARM BUSINESS SECTOR: | | | | | | | | | | | | | |
| Output per hour of all persons | 100.3 | 100.2 | 98.8 | 100.1 | 100.1 | 101.1 | 99.9 | 100.0 | 99.9 | 100.4 | 100.8 | 101.7 | r103.2 |
| Output | 109.3 | 106.3 | 107.1 | 109.2 | 109.4 | 110.5 | 108.2 | 106.5 | 106.7 | 106.5 | 105.4 | 106.7 | r109.9 |
| Hours | 109.0 | 106.0 | 108.5 | 109.1 | 109.2 | 109.4 | 108.2 | 106.5 | 106.8 | 106.0 | 104.6 | 104.9 | 106.5 |
| Compensation per hour | 143.5 | 154.7 | 135.5 | 139.3 | 141.8 | 145.1 | 147.7 | 151.3 | 153.5 | 156.1 | 158.3 | 161.0 | r162.7 |
| Real compensation per hour | 95.6 | 97.1 | 95.8 | 96.0 | 95.8 | 95.3 | 95.4 | 96.9 | 97.1 | 96.9 | 97.8 | 99.5 | 99.6 |
| Unit labor costs | 143.0 | 154.4 | 137.2 | 139.2 | 141.6 | 143.5 | 147.8 | 151.3 | 153.6 | 155.4 | 157.1 | 158.3 | r157.6 |
| Unit nonlabor payments | 135.0 | 137.0 | 123.2 | 130.3 | 132.2 | 138.3 | 139.5 | 136.4 | 137.7 | 136.5 | 137.2 | 140.7 | 145.7 |
| Implicit price deflator | 140.4 | 148.6 | 132.5 | 136.2 | 138.4 | 141.8 | 145.0 | 146.4 | 148.3 | 149.1 | 150.5 | 152.4 | r153.6 |
| MANUFACTURING: | | | | | | | | | | | | | |
| Output per hour of all persons | 105.3 | 106.5 | 103.6 | 105.1 | 105.4 | 106.1 | 104.4 | 105.1 | 105.3 | 107.8 | 108.1 | 110.2 | r112.4 |
| Output | 106.5 | 99.1 | 104.9 | 106.8 | 107.8 | 108.1 | 103.3 | 100.2 | 99.5 | 99.5 | 97.2 | 100.1 | 104.9 |
| Hours | 101.2 | 93.0 | 101.3 | 101.6 | 102.2 | 101.9 | 98.9 | 95.4 | 94.5 | 92.3 | 89.9 | 90.9 | r93.3 |
| Compensation per hour | 145.8 | 158.2 | 138.3 | 141.6 | 144.3 | 147.0 | 150.5 | 155.1 | 157.1 | 159.6 | 161.4 | 165.5 | r166.4 |
| Real compensation per hour | 97.2 | 99.3 | 97.8 | 97.6 | 97.5 | 96.5 | 97.1 | 99.4 | 99.4 | 99.1 | 99.7 | 102.3 | 101.8 |
| Unit labor costs | 138.5 | 148.5 | 133.5 | 134.8 | 136.9 | 138.5 | 144.1 | 147.6 | 149.1 | 148.1 | 149.3 | 150.2 | r148.0 |
| DURABLE GOODS | | | | | | | | | | | | | |
| Output per hour of all persons | 104.5 | 105.4 | 102.5 | 104.3 | 104.8 | 105.2 | 103.7 | 103.7 | 104.2 | 106.8 | 107.2 | 109.4 | r112.1 |
| Output | 107.0 | 97.3 | 105.1 | 107.3 | 108.8 | 108.9 | 103.3 | 99.3 | 98.3 | 97.6 | 94.0 | 97.4 | r102.8 |
| Hours | 102.4 | 92.3 | 102.6 | 102.9 | 103.8 | 103.4 | 99.6 | 95.7 | 94.3 | 91.4 | 87.7 | 89.0 | 91.7 |
| Compensation per hour | 145.9 | 157.9 | 138.5 | 141.7 | 144.4 | 146.9 | 150.6 | 154.7 | 156.7 | 159.5 | 161.0 | 165.4 | r166.1 |
| Real compensation per hour | 97.2 | 99.1 | 97.9 | 97.7 | 97.5 | 96.5 | 97.2 | 99.1 | 99.1 | 99.0 | 99.5 | 102.3 | r101.7 |
| Unit labor costs | 139.6 | 149.8 | 135.2 | 135.8 | 137.8 | 139.6 | 145.3 | 149.1 | 150.4 | 149.4 | 150.3 | 151.1 | r148.2 |
| NONDURABLE GOODS | | | | | | | | | | | | | |
| Output per hour of all persons | 106.4 | 108.2 | 105.5 | 106.3 | 106.5 | 107.4 | 105.4 | 107.2 | 107.0 | 109.2 | 109.4 | 111.3 | r112.9 |
| Output | 105.6 | 101.8 | 104.7 | 106.0 | 106.3 | 107.0 | 103.2 | 101.7 | 101.3 | 102.3 | 101.9 | 104.1 | r108.1 |
| Hours | 99.3 | 94.1 | 99.2 | 99.8 | 99.8 | 99.6 | 97.9 | 94.8 | 94.7 | 93.7 | 93.2 | 93.6 | r95.7 |
| Compensation per hour | 145.2 | 159.2 | 137.5 | 141.0 | 143.7 | 146.4 | 149.9 | 155.9 | 157.8 | 160.2 | 163.0 | 166.6 | r167.6 |
| Real compensation per hour | 96.8 | 99.9 | 97.2 | 97.2 | 97.1 | 96.2 | 96.7 | 99.9 | 99.8 | 99.4 | 100.7 | 103.0 | 102.6 |
| Unit labor costs | 136.5 | 147.1 | 130.4 | 132.7 | 135.0 | 136.3 | 142.1 | 145.4 | 147.5 | 146.7 | 149.0 | 149.8 | r148.4 |
| NONFINANCIAL CORPORATIONS: | | | | | | | | | | | | | |
| Output per all-employee hour | 102.3 | 102.8 | 100.4 | 101.8 | 102.1 | 103.0 | 102.2 | 102.4 | 102.3 | 103.2 | 103.4 | 104.3 | p105.7 |
| Output | 111.5 | 107.8 | 108.8 | 111.0 | 111.7 | 112.9 | 110.4 | 108.6 | 108.1 | 108.0 | 106.4 | 107.6 | p111.0 |
| Hours | 109.0 | 104.8 | 108.3 | 109.1 | 109.3 | 109.6 | 108.1 | 106.0 | 105.7 | 104.6 | 102.9 | 103.2 | p105.1 |
| Compensation per hour | 143.6 | 154.8 | 135.8 | 139.5 | 142.0 | 145.0 | 147.8 | 151.7 | 153.7 | 156.1 | 158.1 | 160.4 | p161.6 |
| Real compensation per hour | 95.7 | 97.2 | 96.0 | 96.2 | 95.9 | 95.2 | 95.4 | 97.2 | 97.2 | 96.9 | 97.7 | 99.2 | p98.9 |
| Total unit costs | 142.7 | 153.5 | 135.9 | 138.4 | 141.1 | 143.6 | 147.7 | 150.9 | 153.1 | 153.8 | 156.3 | 156.7 | p155.7 |
| Unit labor costs | 140.3 | 150.6 | 135.3 | 137.0 | 139.0 | 140.7 | 144.6 | 148.1 | 150.2 | 151.1 | 152.9 | 153.9 | p152.9 |
| Unit nonlabor costs | 149.4 | 161.8 | 137.9 | 142.3 | 147.0 | 151.9 | 156.6 | 158.9 | 161.2 | 161.3 | 165.9 | 164.7 | p163.5 |
| Unit profits | 104.1 | 88.9 | 90.9 | 103.0 | 100.3 | 108.6 | 104.2 | 90.8 | 90.3 | 91.2 | 83.0 | 96.1 | p114.1 |
| Implicit price deflator | 138.3 | 146.1 | 130.8 | 134.3 | 136.4 | 139.6 | 142.7 | 144.0 | 145.9 | 146.6 | 147.9 | 149.7 | p150.9 |

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-11. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, business sector, seasonally adjusted at annual rate

| Item | Quarterly percent change | | | | | | Annual percent change | | | | | |
|-----------------------------------|--------------------------|---------|----------|----------|---------|---------|-----------------------|---------|----------|---------|--------|---------|
| | 1981 IV | 1982 I | 1982 II | 1982 III | 1982 IV | 1983 I | 1981 I | 1981 II | 1981 III | 1981 IV | 1982 I | 1982 II |
| | to | to | to | to | to | to | to | to | to | to | to | to |
| | 1982 I | 1982 II | 1982 III | 1982 IV | 1983 I | 1983 II | 1982 I | 1982 II | 1982 III | 1982 IV | 1983 I | 1983 II |
| BUSINESS SECTOR: | | | | | | | | | | | | |
| Output per hour of all persons | -0.4 | -1.6 | 1.7 | 3.3 | 2.0 | r5.7 | 0.6 | -0.4 | -1.1 | 0.7 | 1.3 | r3.2 |
| Output | -6.3 | -1.0 | -1.1 | -2.3 | 4.2 | r12.5 | -1.8 | -2.6 | -4.1 | -2.7 | -0.1 | r3.2 |
| Hours | -6.0 | 0.6 | -2.7 | -5.4 | 2.1 | 6.5 | -2.4 | -2.2 | -3.0 | -3.4 | -1.4 | 0.0 |
| Compensation per hour | 9.4 | 6.4 | 6.7 | 5.7 | 5.4 | r3.5 | 8.5 | 8.2 | 7.5 | 7.1 | 6.1 | r5.3 |
| Real compensation per hour | 6.3 | 1.1 | -1.0 | 3.7 | 5.8 | r-0.7 | 0.8 | 1.3 | 1.6 | 2.5 | 2.4 | r1.9 |
| Unit labor costs | 9.8 | 8.1 | 5.0 | 2.3 | 3.3 | r-2.1 | 7.9 | 8.7 | 8.7 | 6.3 | 4.7 | r2.1 |
| Unit nonlabor payments | -8.8 | -0.1 | -2.0 | 3.2 | 10.5 | r15.0 | 4.4 | 2.7 | -2.6 | -2.0 | 2.8 | 6.5 |
| Implicit price deflator | 3.4 | 5.5 | 2.7 | 2.6 | 5.5 | r3.1 | 6.7 | 6.7 | 4.9 | 3.5 | 4.1 | r3.5 |
| NONFARM BUSINESS SECTOR: | | | | | | | | | | | | |
| Output per hour of all persons | 0.1 | -0.4 | 2.3 | 1.3 | 3.7 | r6.1 | -0.1 | -0.3 | -0.6 | 0.8 | 1.7 | r3.3 |
| Output | -6.2 | 0.8 | -0.6 | -4.1 | 4.9 | r12.7 | -2.5 | -2.5 | -3.6 | -2.6 | 0.2 | r3.0 |
| Hours | -6.2 | 1.2 | -2.9 | -5.3 | 1.2 | r6.2 | -2.4 | -2.2 | -3.0 | -3.4 | -1.5 | -0.3 |
| Compensation per hour | 10.0 | 5.8 | 7.2 | 5.8 | 6.8 | r4.3 | 8.6 | 8.2 | 7.6 | 7.2 | 6.4 | r6.0 |
| Real compensation per hour | 6.8 | 0.5 | -0.6 | 3.7 | 7.2 | r0.1 | 0.9 | 1.3 | 1.7 | 2.6 | 2.7 | 2.6 |
| Unit labor costs | 9.9 | 6.2 | 4.7 | 4.4 | 3.0 | r-1.6 | 8.7 | 8.5 | 8.3 | 6.3 | 4.6 | r2.6 |
| Unit nonlabor payments | -8.5 | 3.7 | -3.4 | 2.0 | 10.6 | r15.0 | 4.7 | 4.2 | -1.3 | -1.6 | 3.1 | 5.8 |
| Implicit price deflator | 3.7 | 5.4 | 2.2 | 3.7 | 5.3 | r3.3 | 7.4 | 7.1 | 5.2 | 3.7 | 4.1 | r3.6 |
| MANUFACTURING: | | | | | | | | | | | | |
| Output per hour of all persons | 2.8 | 0.8 | 9.6 | 1.2 | 8.0 | r8.4 | 0.0 | -0.1 | 1.6 | 3.5 | 4.8 | r6.7 |
| Output | -11.2 | -2.9 | 0.0 | -9.0 | 12.7 | r20.5 | -6.1 | -7.7 | -8.0 | -5.9 | -0.1 | 5.4 |
| Hours | -13.7 | -3.7 | -8.7 | -10.0 | 4.3 | r11.2 | -6.2 | -7.6 | -9.4 | -9.1 | -4.7 | r-1.2 |
| Compensation per hour | 13.1 | 5.1 | 6.5 | 4.5 | 10.7 | r2.1 | 9.6 | 8.8 | 8.6 | 7.3 | 6.7 | 5.9 |
| Real compensation per hour | 9.8 | -0.2 | -1.2 | 2.5 | 11.1 | r-2.1 | 1.8 | 1.9 | 2.6 | 2.7 | 3.0 | r2.5 |
| Unit labor costs | 9.9 | 4.3 | -2.8 | 3.3 | 2.5 | r-5.9 | 9.5 | 8.9 | 6.9 | 3.6 | 1.8 | r-0.8 |
| DURABLE GOODS | | | | | | | | | | | | |
| Output per hour of all persons | 0.1 | 1.8 | 10.4 | 1.4 | 8.7 | r10.1 | -0.5 | -0.5 | 1.5 | 3.4 | 5.5 | 7.6 |
| Output | -14.6 | -4.0 | -2.5 | -14.2 | 15.5 | r23.8 | -7.5 | -9.7 | -10.3 | -9.0 | -1.9 | r4.6 |
| Hours | -14.7 | -5.7 | -11.7 | -15.4 | 6.3 | r12.4 | -7.0 | -9.2 | -11.6 | -12.0 | -7.0 | -2.8 |
| Compensation per hour | 11.1 | 5.4 | 7.4 | 3.8 | 11.3 | r1.7 | 9.2 | 8.5 | 8.6 | 6.9 | 7.0 | r6.0 |
| Real compensation per hour | 7.9 | 0.1 | -0.4 | 1.8 | 11.8 | r-2.4 | 1.4 | 1.6 | 2.6 | 2.3 | 3.2 | r2.6 |
| Unit labor costs | 11.0 | 3.5 | -2.7 | 2.4 | 2.4 | r-7.6 | 9.8 | 9.1 | 7.0 | 3.4 | 1.4 | r-1.5 |
| NONDURABLE GOODS | | | | | | | | | | | | |
| Output per hour of all persons | 6.9 | -0.7 | 8.4 | 0.7 | 7.1 | r6.1 | 0.9 | 0.5 | 1.6 | 3.7 | 3.8 | r5.5 |
| Output | -6.0 | -1.4 | 3.8 | -1.2 | 8.8 | r16.2 | -4.1 | -4.7 | -4.4 | -1.3 | 2.4 | r6.7 |
| Hours | -12.0 | -0.6 | -4.2 | -1.9 | 1.7 | r9.4 | -5.0 | -5.2 | -6.0 | -4.8 | -1.3 | r1.1 |
| Compensation per hour | 17.0 | 5.2 | 6.0 | 7.3 | 9.2 | r2.4 | 10.5 | 9.9 | 9.4 | 8.8 | 6.9 | 6.2 |
| Real compensation per hour | 13.6 | -0.1 | -1.7 | 5.2 | 9.6 | r-1.7 | 2.7 | 2.8 | 3.4 | 4.1 | 3.2 | r2.7 |
| Unit labor costs | 9.4 | 6.0 | -2.2 | 6.6 | 2.0 | r-3.5 | 9.6 | 9.3 | 7.6 | 4.9 | 3.0 | r0.6 |
| NONFINANCIAL CORPORATIONS: | | | | | | | | | | | | |
| Output per all-employee hour | 0.9 | -0.5 | 3.8 | 0.6 | 3.4 | p5.5 | 0.6 | 0.1 | 0.2 | 1.2 | 1.8 | p3.3 |
| Output | -6.5 | -1.8 | -0.5 | -6.0 | 4.6 | p13.5 | -2.2 | -3.2 | -4.3 | -3.7 | -1.0 | p2.7 |
| Hours | -7.3 | -1.2 | -4.1 | -6.5 | 1.2 | p7.6 | -2.8 | -3.3 | -4.5 | -4.8 | -2.7 | p-0.6 |
| Compensation per hour | 10.9 | 5.4 | 6.4 | 5.4 | 6.0 | p2.9 | 8.7 | 8.2 | 7.6 | 7.0 | 5.8 | p5.2 |
| Real compensation per hour | 7.7 | 0.1 | -1.3 | 3.4 | 6.4 | p-1.3 | 1.0 | 1.3 | 1.7 | 2.4 | 2.1 | p1.7 |
| Total unit costs | 8.8 | 6.0 | 1.8 | 6.7 | 1.0 | p-2.5 | 9.0 | 8.5 | 7.1 | 5.8 | 3.8 | p1.7 |
| Unit labor costs | 9.9 | 6.0 | 2.4 | 4.8 | 2.5 | p-2.4 | 8.1 | 8.1 | 7.4 | 5.7 | 3.9 | p1.8 |
| Unit nonlabor costs | 6.1 | 6.0 | 0.1 | 11.9 | -2.8 | p-2.8 | 11.7 | 9.7 | 6.2 | 6.0 | 3.7 | p1.4 |
| Unit profits | -42.2 | -2.1 | 3.8 | -31.4 | 79.9 | p98.5 | -11.8 | -9.9 | -16.1 | -20.3 | 5.8 | p26.3 |
| Implicit price deflator | 3.6 | 5.4 | 1.9 | 3.6 | 5.1 | p3.2 | 7.2 | 7.0 | 5.0 | 3.6 | 4.0 | p3.4 |

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| ALABAMA | \$281.69 | \$306.82 | \$310.43 | 38.8 | 40.8 | 40.9 | \$7.26 | \$7.52 | \$7.59 |
| Birmingham | 297.83 | 317.18 | 312.05 | 37.7 | 40.2 | 39.5 | 7.90 | 7.89 | 7.90 |
| Mobile | 378.54 | 394.45 | 425.80 | 40.1 | 38.9 | 42.2 | 9.44 | 10.14 | 10.09 |
| ALASKA | 433.24 | 459.74 | (*) | 42.6 | 36.2 | (*) | 10.17 | 12.70 | (*) |
| ARIZONA | 344.82 | 374.14 | 372.49 | 38.7 | 40.8 | 40.4 | 8.91 | 9.17 | 9.22 |
| ARKANSAS | 261.97 | 287.04 | 290.48 | 39.1 | 40.6 | 40.4 | 6.70 | 7.07 | 7.19 |
| Fayetteville—Springdale | 231.99 | 254.23 | 251.46 | 38.6 | 39.6 | 39.6 | 6.01 | 6.42 | 6.35 |
| Fort Smith | 259.24 | 285.82 | 289.93 | 37.9 | 39.1 | 39.5 | 6.84 | 7.31 | 7.34 |
| Little Rock—North Little Rock | 304.94 | 339.07 | 340.68 | 39.5 | 41.3 | 40.8 | 7.72 | 8.21 | 8.35 |
| Pine Bluff | 358.85 | 376.37 | 420.42 | 41.2 | 42.1 | 42.9 | 8.71 | 8.94 | 9.80 |
| CALIFORNIA | 362.16 | 380.80 | 379.14 | 38.9 | 40.0 | 39.7 | 9.31 | 9.52 | 9.55 |
| COLORADO | 335.32 | 364.91 | 356.31 | 38.9 | 40.1 | 39.9 | 8.62 | 9.10 | 8.93 |
| Denver—Boulder | 340.45 | 377.61 | 367.88 | 38.6 | 40.3 | 39.9 | 8.82 | 9.37 | 9.22 |
| CONNECTICUT | 331.60 | 359.26 | 363.85 | 40.0 | 41.2 | 41.3 | 8.29 | 8.72 | 8.81 |
| Bridgeport | 352.77 | 386.82 | 389.85 | 41.6 | 42.0 | 42.1 | 8.48 | 9.21 | 9.26 |
| Hartford | 351.43 | 381.19 | 391.23 | 39.8 | 40.9 | 41.4 | 8.83 | 9.32 | 9.45 |
| New Britain | 339.73 | 370.23 | 371.28 | 40.3 | 41.0 | 40.8 | 8.43 | 9.03 | 9.10 |
| New Haven—West Haven | 320.30 | 336.69 | 340.26 | 39.3 | 38.7 | 39.2 | 8.15 | 8.70 | 8.68 |
| Stamford | 306.06 | 333.06 | 346.93 | 39.8 | 39.0 | 40.2 | 7.69 | 8.54 | 8.63 |
| Waterbury | 271.47 | 316.41 | 312.80 | 39.4 | 42.7 | 42.5 | 6.89 | 7.41 | 7.36 |
| DELAWARE | 336.49 | 380.18 | 371.49 | 38.9 | 41.1 | 40.6 | 8.65 | 9.25 | 9.15 |
| Wilmington | 384.53 | 439.68 | 436.17 | 38.3 | 40.9 | 40.2 | 10.04 | 10.75 | 10.85 |
| DISTRICT OF COLUMBIA: | | | | | | | | | |
| Washington SMSA | 346.69 | 366.99 | 370.66 | 37.0 | 39.0 | 39.1 | 9.37 | 9.41 | 9.47 |
| FLORIDA | 275.66 | 297.34 | 296.79 | 39.1 | 40.9 | 40.6 | 7.05 | 7.27 | 7.31 |
| Fort Lauderdale—Hollywood | 256.47 | 286.76 | 288.53 | 38.8 | 42.8 | 43.0 | 6.61 | 6.70 | 6.71 |
| Jacksonville | 273.86 | 329.51 | 341.12 | 35.2 | 41.5 | 41.6 | 7.78 | 7.94 | 8.20 |
| Lakeland—Winter Haven | 304.97 | 306.45 | 299.43 | 40.5 | 41.3 | 40.3 | 7.53 | 7.42 | 7.43 |
| Miami | 225.82 | 242.78 | 242.80 | 38.8 | 39.8 | 40.0 | 5.82 | 6.10 | 6.07 |
| Orlando | 298.16 | 312.25 | 320.38 | 40.9 | 41.8 | 42.1 | 7.29 | 7.47 | 7.61 |
| Pensacola | 337.02 | 381.89 | 369.22 | 41.0 | 43.2 | 42.1 | 8.22 | 8.84 | 8.77 |
| Tampa—St. Petersburg | 294.27 | 307.84 | 304.14 | 41.8 | 41.6 | 41.1 | 7.04 | 7.40 | 7.40 |
| West Palm Beach—Boca Raton | 282.66 | 309.78 | 317.86 | 39.7 | 40.6 | 42.1 | 7.12 | 7.63 | 7.55 |
| GEORGIA | 262.00 | 294.94 | 285.36 | 38.7 | 41.6 | 41.0 | 6.77 | 7.09 | 6.96 |
| Atlanta | 314.98 | 354.32 | 343.88 | 38.6 | 41.2 | 40.6 | 8.16 | 8.60 | 8.47 |
| Savannah | 357.70 | 416.76 | 423.15 | 41.4 | 45.3 | 46.5 | 8.64 | 9.20 | 9.10 |
| HAWAII | 296.45 | 303.69 | 306.89 | 38.6 | 36.9 | 38.6 | 7.68 | 8.23 | 7.95 |
| Honolulu | 291.85 | 299.99 | 308.05 | 38.1 | 36.1 | 38.7 | 7.66 | 8.31 | 7.96 |
| IDAHO | 330.67 | 344.70 | 350.60 | 36.7 | 38.3 | 37.1 | 9.01 | 9.00 | 9.45 |
| Boise City | 308.85 | 311.91 | 307.01 | 39.8 | 37.0 | 36.9 | 7.76 | 8.43 | 8.32 |
| ILLINOIS | 362.00 | 395.04 | 392.18 | 38.8 | 40.6 | 40.1 | 9.33 | 9.73 | 9.78 |
| Bloomington—Normal | 308.29 | 368.99 | 371.07 | 36.1 | 41.6 | 41.6 | 8.54 | 8.87 | 8.92 |
| Champaign—Urbana—Rantoul | 332.38 | 334.88 | 329.77 | 37.6 | 37.5 | 36.6 | 8.84 | 8.93 | 9.01 |
| Chicago SMSA | 340.87 | 385.27 | 383.04 | 38.3 | 40.3 | 39.9 | 8.90 | 9.56 | 9.60 |
| Davenport—Rock Island—Moline | 401.79 | 487.95 | 477.41 | 34.4 | 39.8 | 39.1 | 11.68 | 12.26 | 12.21 |
| Decatur | 448.78 | 494.51 | 507.53 | 38.0 | 40.6 | 40.7 | 11.81 | 12.18 | 12.47 |
| Kankakee | 304.98 | 324.37 | 321.79 | 36.7 | 38.8 | 38.4 | 8.31 | 8.36 | 8.38 |
| Peoria | 452.88 | 526.10 | 495.30 | 37.0 | 43.3 | 40.4 | 12.24 | 12.15 | 12.26 |
| Rockford | 367.05 | 392.64 | 384.61 | 38.8 | 41.2 | 40.4 | 9.46 | 9.53 | 9.52 |
| Springfield | 465.21 | 457.45 | 481.17 | 42.1 | 41.7 | 43.0 | 11.05 | 10.97 | 11.19 |
| INDIANA | 387.30 | 408.59 | 413.65 | 39.4 | 40.9 | 41.2 | 9.83 | 9.99 | 10.04 |
| Gary—Hammond—East Chicago | 515.04 | 509.84 | (*) | 38.9 | 39.8 | (*) | 13.24 | 12.81 | (*) |
| Indianapolis | 382.48 | (*) | (*) | 39.8 | (*) | (*) | 9.61 | (*) | (*) |
| IOWA | 382.62 | 405.34 | 400.14 | 38.3 | 39.7 | 39.5 | 9.99 | 10.21 | 10.13 |
| Cedar Rapids | 380.77 | 393.34 | 390.10 | 38.5 | 38.3 | 38.7 | 9.89 | 10.27 | 10.08 |
| Des Moines | 413.19 | 425.94 | 435.10 | 37.7 | 37.2 | 38.0 | 10.96 | 11.45 | 11.45 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| IOWA—Continued | | | | | | | | | |
| Dubuque | \$404.48 | \$422.90 | \$441.98 | 35.7 | 40.2 | 41.0 | \$11.33 | \$10.52 | \$10.78 |
| Sioux City | 327.94 | 372.07 | 350.73 | 38.4 | 41.9 | 40.5 | 8.54 | 8.88 | 8.66 |
| Waterloo—Cedar Falls | 483.60 | 533.81 | 497.42 | 37.2 | 39.6 | 38.5 | 13.00 | 13.48 | 12.92 |
| KANSAS | 349.27 | 357.77 | 359.97 | 39.6 | 39.1 | 39.0 | 8.82 | 9.15 | 9.23 |
| Topeka | 319.32 | 348.81 | 357.67 | 37.7 | 38.5 | 38.5 | 8.47 | 9.06 | 9.29 |
| Wichita | 379.20 | 396.40 | 408.58 | 39.5 | 39.6 | 39.9 | 9.60 | 10.01 | 10.24 |
| KENTUCKY | 317.75 | 345.23 | 346.23 | 38.1 | 39.5 | 39.3 | 8.34 | 8.74 | 8.81 |
| Lexington—Fayette | 340.49 | 359.52 | 364.49 | 38.3 | 38.7 | 38.9 | 8.89 | 9.29 | 9.37 |
| Louisville | 367.10 | 408.40 | 396.93 | 38.4 | 40.0 | 39.3 | 9.56 | 10.21 | 10.10 |
| LOUISIANA | 385.97 | 395.20 | 402.52 | 40.8 | 40.7 | 40.7 | 9.46 | 9.71 | 9.89 |
| Baton Rouge | 460.94 | 494.21 | 480.28 | 39.6 | 43.2 | 41.8 | 11.64 | 11.44 | 11.49 |
| New Orleans | 357.05 | 345.98 | 358.80 | 38.6 | 38.7 | 39.0 | 9.25 | 8.94 | 9.20 |
| Shreveport | 334.03 | 372.53 | 387.03 | 40.1 | 39.8 | 39.9 | 8.33 | 9.36 | 9.70 |
| MAINE | 296.40 | 297.75 | 312.76 | 40.0 | 39.7 | 40.2 | 7.41 | 7.50 | 7.78 |
| Lewiston—Auburn | 237.08 | 244.21 | 254.78 | 38.3 | 40.1 | 40.7 | 6.19 | 6.09 | 6.26 |
| Portland | 286.77 | 284.64 | 296.00 | 38.7 | 37.7 | 37.9 | 7.41 | 7.55 | 7.81 |
| MARYLAND | 344.86 | 357.29 | 360.40 | 39.1 | 40.1 | 40.0 | 8.82 | 8.91 | 9.01 |
| Baltimore | 369.74 | 381.36 | 382.59 | 39.8 | 40.7 | 40.4 | 9.29 | 9.37 | 9.47 |
| MASSACHUSETTS | 294.88 | 321.60 | 326.42 | 38.8 | 40.2 | 40.2 | 7.60 | 8.00 | 8.12 |
| Boston | 318.72 | 343.41 | 346.98 | 39.3 | 39.7 | 39.7 | 8.11 | 8.65 | 8.74 |
| Brockton | 229.15 | 251.79 | 249.75 | 36.2 | 38.5 | 37.5 | 6.33 | 6.54 | 6.66 |
| Fall River | 208.74 | 239.73 | 239.73 | 35.5 | 37.4 | 36.6 | 5.88 | 6.41 | 6.55 |
| Lawrence—Haverhill | 299.88 | 311.26 | 310.76 | 39.2 | 39.6 | 38.7 | 7.65 | 7.86 | 8.03 |
| Lowell | 250.22 | 288.73 | 285.09 | 35.9 | 38.6 | 39.0 | 6.97 | 7.48 | 7.31 |
| New Bedford | 266.88 | 279.96 | 269.75 | 38.4 | 39.1 | 38.1 | 6.95 | 7.16 | 7.08 |
| Springfield—Chicopee—Holyoke | 305.56 | 330.08 | 332.93 | 40.1 | 40.7 | 40.7 | 7.62 | 8.11 | 8.18 |
| Worcester | 300.30 | 334.43 | 329.28 | 38.5 | 40.1 | 39.2 | 7.80 | 8.34 | 8.40 |
| MICHIGAN | 461.20 | 494.48 | 490.16 | 40.6 | 42.5 | 42.0 | 11.35 | 11.64 | 11.66 |
| Ann Arbor | 478.73 | 525.58 | 513.09 | 41.0 | 43.2 | 42.7 | 11.69 | 12.16 | 12.02 |
| Battle Creek | 470.87 | 499.42 | 518.82 | 39.3 | 40.4 | 41.5 | 11.98 | 12.37 | 12.49 |
| Bay City | 393.42 | 439.13 | 430.87 | 40.0 | 43.6 | 42.1 | 9.84 | 10.07 | 10.23 |
| Detroit | 490.31 | 523.55 | 511.36 | 41.1 | 42.9 | 41.8 | 11.92 | 12.21 | 12.22 |
| Filint | 564.04 | 583.70 | 597.95 | 42.0 | 44.0 | 44.7 | 13.43 | 13.25 | 13.38 |
| Grand Rapids | 365.24 | 410.28 | 407.27 | 38.5 | 41.1 | 40.5 | 9.49 | 9.98 | 10.06 |
| Jackson | 400.77 | 387.80 | 373.97 | 40.8 | 40.3 | 39.0 | 9.83 | 9.61 | 9.58 |
| Kalamazoo—Portage | 408.88 | 455.48 | 442.51 | 39.4 | 41.9 | 40.8 | 10.36 | 10.88 | 10.85 |
| Lansing—East Lansing | 540.41 | 583.80 | 601.28 | 42.8 | 44.1 | 45.0 | 12.62 | 13.25 | 13.37 |
| Muskegon—Norton Shores—Muskegon Heights | 355.74 | 408.26 | 418.06 | 36.6 | 39.2 | 39.7 | 9.71 | 10.40 | 10.53 |
| Saginaw | 548.27 | 593.22 | 602.73 | 41.2 | 43.6 | 43.6 | 13.31 | 13.59 | 13.81 |
| MINNESOTA | 356.32 | 377.67 | 375.09 | 38.9 | 39.3 | 39.4 | 9.16 | 9.61 | 9.52 |
| Duluth—Superior | 308.29 | 384.55 | 384.93 | 36.1 | 39.2 | 39.0 | 8.54 | 9.81 | 9.87 |
| Minneapolis—St. Paul | 374.42 | 402.73 | 400.93 | 38.8 | 39.6 | 39.5 | 9.65 | 10.17 | 10.15 |
| St. Cloud | 282.80 | 301.16 | 309.96 | 35.0 | 35.1 | 36.9 | 8.08 | 8.58 | 8.40 |
| MISSISSIPPI | 243.59 | 270.50 | 266.26 | 38.3 | 40.8 | 39.8 | 6.36 | 6.63 | 6.69 |
| Jackson | 269.27 | 318.72 | 302.65 | 38.8 | 41.5 | 40.3 | 6.94 | 7.68 | 7.51 |
| MISSOURI | 326.94 | 357.14 | 354.38 | 38.6 | 40.4 | 40.5 | 8.47 | 8.84 | 8.75 |
| Kansas City | 367.67 | 405.32 | 397.23 | 38.1 | 40.9 | 40.7 | 9.65 | 9.91 | 9.76 |
| St. Joseph | 306.54 | 334.54 | 323.08 | 39.1 | 40.6 | 38.6 | 7.84 | 8.24 | 8.37 |
| St. Louis | 380.39 | 408.65 | 405.21 | 39.5 | 40.5 | 40.4 | 9.63 | 10.09 | 10.03 |
| Springfield | 283.14 | 326.02 | 329.26 | 39.0 | 40.2 | 40.4 | 7.26 | 8.11 | 8.15 |
| MONTANA | 389.24 | 413.96 | 366.36 | 38.5 | 39.5 | 34.4 | 10.11 | 10.48 | 10.65 |
| NEBRASKA | 330.66 | 354.60 | 349.11 | 39.6 | 40.9 | 40.5 | 8.35 | 8.67 | 8.62 |
| Lincoln | 315.85 | 336.38 | 356.90 | 38.1 | 38.4 | 39.7 | 8.29 | 8.76 | 8.99 |
| Omaha | 341.33 | 370.24 | 358.81 | 38.7 | 40.2 | 39.3 | 8.82 | 9.21 | 9.13 |
| NEVADA | 328.71 | 340.34 | 344.31 | 37.1 | 37.9 | 38.6 | 8.86 | 8.98 | 8.92 |
| Las Vegas | 414.38 | 424.44 | (*) | 38.8 | 39.3 | (*) | 10.68 | 10.80 | (*) |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| NEW HAMPSHIRE | \$273.92 | \$295.14 | \$304.09 | 39.3 | 40.1 | 40.6 | \$6.97 | \$7.36 | \$7.49 |
| Manchester | 252.83 | 271.47 | 274.22 | 38.6 | 39.4 | 39.4 | 6.55 | 6.89 | 6.96 |
| Nashua | 310.85 | 347.54 | 350.33 | 39.1 | 40.6 | 40.5 | 7.95 | 8.56 | 8.65 |
| NEW JERSEY | 345.49 | 373.63 | 372.49 | 39.9 | 40.7 | 40.4 | 8.67 | 9.18 | 9.22 |
| Atlantic City | 268.60 | 302.47 | 307.84 | 38.1 | 40.6 | 41.6 | 7.06 | 7.45 | 7.40 |
| Camden ¹ | 372.40 | 398.57 | 389.46 | 40.9 | 40.3 | 39.3 | 9.10 | 9.89 | 9.91 |
| Hackensack ² | 302.49 | 323.61 | 323.19 | 39.5 | 40.2 | 39.9 | 7.67 | 8.05 | 8.10 |
| Jersey City ³ | 324.07 | 344.97 | 341.88 | 39.9 | 40.3 | 39.8 | 8.12 | 8.56 | 8.59 |
| New Brunswick—Perth Amboy—Sayreville ⁴ | 396.62 | 417.15 | 418.14 | 40.7 | 40.5 | 40.4 | 9.75 | 10.30 | 10.35 |
| Newark ⁵ | 350.99 | 382.82 | 379.49 | 40.4 | 40.9 | 40.5 | 8.68 | 9.36 | 9.37 |
| Paterson—Clifton—Passaic ⁶ | 335.63 | 365.31 | 359.07 | 40.5 | 41.0 | 40.3 | 8.29 | 8.91 | 8.91 |
| Trenton | 344.01 | 367.64 | 376.79 | 39.0 | 40.4 | 41.0 | 8.82 | 9.10 | 9.19 |
| NEW MEXICO | 273.93 | 300.99 | 298.30 | 39.7 | 39.5 | 38.0 | 6.90 | 7.62 | 7.85 |
| Albuquerque | 303.80 | 299.30 | 289.56 | 38.8 | 40.5 | 37.9 | 7.83 | 7.39 | 7.64 |
| NEW YORK | 324.69 | 345.84 | (*) | 38.7 | 39.3 | (*) | 8.39 | 8.80 | (*) |
| Albany—Schenectady—Troy | 347.02 | 362.79 | (*) | 39.3 | 40.4 | (*) | 8.83 | 8.98 | (*) |
| Binghamton | 292.09 | 317.16 | (*) | 40.4 | 40.3 | (*) | 7.23 | 7.87 | (*) |
| Buffalo | 432.95 | 464.51 | (*) | 40.2 | 41.4 | (*) | 10.77 | 11.22 | (*) |
| Elmira | 344.86 | 350.49 | (*) | 40.1 | 38.9 | (*) | 8.60 | 9.01 | (*) |
| Monroe County ⁴ | 447.12 | 477.17 | (*) | 41.4 | 41.1 | (*) | 10.80 | 11.61 | (*) |
| Nassau—Suffolk ⁵ | 314.76 | 351.88 | (*) | 39.1 | 40.4 | (*) | 8.05 | 8.71 | (*) |
| New York—Northeastern New Jersey | 311.40 | (*) | (*) | 38.4 | (*) | (*) | 8.10 | (*) | (*) |
| New York and Nassau—Suffolk ⁶ | 284.56 | 309.32 | (*) | 37.1 | 38.0 | (*) | 7.67 | 8.14 | (*) |
| New York SMSA ⁷ | 275.58 | 296.54 | (*) | 36.5 | 37.3 | (*) | 7.55 | 7.95 | (*) |
| New York City ⁸ | 270.03 | 291.19 | (*) | 36.1 | 37.0 | (*) | 7.48 | 7.87 | (*) |
| Poughkeepsie | 343.14 | 366.80 | (*) | 43.0 | 42.8 | (*) | 7.98 | 8.57 | (*) |
| Rochester | 421.06 | 448.39 | (*) | 41.2 | 40.8 | (*) | 10.22 | 10.99 | (*) |
| Rockland County ⁹ | 327.54 | 350.80 | (*) | 38.9 | 40.0 | (*) | 8.42 | 8.77 | (*) |
| Syracuse | 353.68 | 381.05 | (*) | 40.1 | 39.9 | (*) | 8.82 | 9.55 | (*) |
| Utica—Rome | 299.00 | 318.37 | (*) | 37.8 | 39.5 | (*) | 7.91 | 8.06 | (*) |
| Westchester County ¹⁰ | 308.89 | 326.17 | (*) | 39.1 | 38.6 | (*) | 7.90 | 8.45 | (*) |
| NORTH CAROLINA | 236.11 | 268.92 | 267.87 | 37.3 | 40.5 | 40.1 | 6.33 | 6.64 | 6.68 |
| Asheville | 228.75 | 263.66 | 257.54 | 37.5 | 40.5 | 39.5 | 6.10 | 6.51 | 6.52 |
| Charlotte—Gastonia | 249.60 | 280.48 | 275.52 | 39.0 | 41.8 | 41.0 | 6.40 | 6.71 | 6.72 |
| Greensboro—Winston-Salem—High Point | 254.46 | 287.17 | 284.48 | 36.3 | 39.5 | 38.6 | 7.01 | 7.27 | 7.37 |
| Raleigh—Durham | 279.72 | 320.62 | 323.52 | 37.8 | 41.0 | 40.9 | 7.40 | 7.82 | 7.91 |
| NORTH DAKOTA | 283.07 | 284.23 | 287.98 | 37.1 | 37.3 | 37.4 | 7.63 | 7.62 | 7.70 |
| Fargo—Moorhead | 310.42 | 294.84 | 286.77 | 38.9 | 36.4 | 35.1 | 7.98 | 8.10 | 8.17 |
| OHIO | 407.82 | 437.83 | 432.14 | 40.1 | 41.5 | 41.0 | 10.17 | 10.55 | 10.54 |
| Akron | 396.88 | 437.38 | 439.45 | 41.0 | 42.3 | 42.5 | 9.68 | 10.34 | 10.34 |
| Canton | 368.84 | 423.07 | 417.87 | 36.7 | 39.8 | 39.2 | 10.05 | 10.63 | 10.66 |
| Cincinnati | 390.26 | 417.54 | 414.92 | 40.4 | 41.3 | 41.0 | 9.66 | 10.11 | 10.12 |
| Cleveland | 408.80 | 433.24 | 424.09 | 40.0 | 41.3 | 40.7 | 10.22 | 10.49 | 10.42 |
| Columbus | 369.18 | 408.41 | 408.63 | 39.4 | 40.8 | 40.7 | 9.37 | 10.01 | 10.04 |
| Dayton | 422.51 | 443.52 | 449.40 | 41.1 | 42.0 | 42.0 | 10.28 | 10.56 | 10.70 |
| Toledo | 462.31 | 470.11 | 474.18 | 41.8 | 42.2 | 42.3 | 11.06 | 11.14 | 11.21 |
| Youngstown—Warren | 466.89 | 510.46 | 521.66 | 39.4 | 41.4 | 41.9 | 11.85 | 12.33 | 12.45 |
| OKLAHOMA | 347.51 | 370.58 | 377.99 | 39.4 | 40.5 | 40.6 | 8.82 | 9.15 | 9.31 |
| Oklahoma City | 358.68 | 395.76 | 391.48 | 39.2 | 40.8 | 40.4 | 9.15 | 9.70 | 9.69 |
| Tulsa | 372.29 | 396.59 | 399.50 | 38.7 | 40.1 | 40.6 | 9.62 | 9.89 | 9.84 |
| OREGON | 378.89 | 403.12 | 396.24 | 37.7 | 39.1 | 38.1 | 10.05 | 10.31 | 10.40 |
| Eugene—Springfield | 405.19 | 430.26 | 412.38 | 38.7 | 40.4 | 39.2 | 10.47 | 10.65 | 10.52 |
| Medford | 336.42 | 381.81 | 381.15 | 35.6 | 39.2 | 38.5 | 9.45 | 9.74 | 9.90 |
| Portland | 382.98 | 407.29 | (*) | 37.4 | 39.2 | (*) | 10.24 | 10.39 | (*) |
| Salem | 274.63 | 333.90 | 302.41 | 34.2 | 37.1 | 34.8 | 8.03 | 9.00 | 8.69 |
| PENNSYLVANIA | 332.54 | 351.55 | 354.99 | 38.4 | 39.5 | 39.4 | 8.66 | 8.90 | 9.01 |
| Allentown—Bethlehem—Easton | 344.18 | 349.07 | 351.74 | 38.2 | 38.7 | 38.4 | 9.01 | 9.02 | 9.16 |
| Altoona | 282.51 | 301.09 | 304.87 | 38.7 | 38.7 | 38.3 | 7.30 | 7.78 | 7.96 |
| Delaware Valley ⁷ | 344.04 | 362.85 | 366.91 | 38.7 | 39.1 | 39.2 | 8.89 | 9.28 | 9.36 |
| Erie | 353.73 | 391.68 | 396.88 | 39.0 | 41.1 | 41.0 | 9.07 | 9.53 | 9.68 |
| Harrisburg | 322.82 | 336.41 | 338.52 | 38.8 | 39.3 | 39.5 | 8.32 | 8.56 | 8.57 |
| Johnstown | 308.17 | 285.68 | 297.66 | 35.3 | 36.3 | 36.3 | 8.73 | 7.87 | 8.20 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| PENNSYLVANIA—Continued | | | | | | | | | |
| Lancaster | \$300.55 | \$322.18 | \$330.17 | 37.9 | 39.1 | 39.4 | \$7.93 | \$8.24 | \$8.38 |
| Northeast Pennsylvania | 260.77 | 274.89 | 273.06 | 37.2 | 37.4 | 37.1 | 7.01 | 7.35 | 7.36 |
| Philadelphia SMSA | 343.27 | 366.13 | 367.93 | 38.7 | 39.2 | 39.1 | 8.87 | 9.34 | 9.41 |
| Pittsburgh | 396.68 | 427.05 | 431.94 | 37.6 | 39.8 | 39.7 | 10.55 | 10.73 | 10.88 |
| Reading | 311.38 | 350.14 | 345.14 | 38.3 | 40.2 | 39.9 | 8.13 | 8.71 | 8.65 |
| Williamsport | 306.93 | 304.59 | 297.92 | 39.0 | 38.9 | 38.0 | 7.87 | 7.83 | 7.84 |
| York | 317.97 | 332.93 | 328.45 | 40.3 | 40.8 | 40.4 | 7.89 | 8.16 | 8.13 |
| RHODE ISLAND | | | | | | | | | |
| Providence—Warwick—Pawtucket | 252.45 | 275.60 | 270.66 | 37.4 | 40.0 | 39.0 | 6.75 | 6.89 | 6.94 |
| ..... | 248.34 | 272.28 | 268.32 | 37.4 | 40.1 | 39.0 | 6.64 | 6.79 | 6.88 |
| SOUTH CAROLINA | | | | | | | | | |
| ..... | 260.94 | 289.34 | 286.74 | 38.6 | 41.1 | 40.5 | 6.76 | 7.04 | 7.08 |
| Charleston—North Charleston | 311.66 | 348.19 | 351.09 | 39.5 | 41.6 | 41.5 | 7.89 | 8.37 | 8.46 |
| Columbia | 241.89 | 269.84 | 275.20 | 37.1 | 39.8 | 40.0 | 6.52 | 6.78 | 6.88 |
| Greenville—Spartanburg | 247.43 | 278.62 | 271.22 | 38.6 | 41.4 | 40.3 | 6.41 | 6.73 | 6.73 |
| SOUTH DAKOTA | | | | | | | | | |
| ..... | 314.08 | 310.90 | 299.43 | 41.6 | 41.9 | 41.3 | 7.55 | 7.42 | 7.25 |
| Sioux Falls | 451.97 | (*) | (*) | 45.7 | (*) | (*) | 9.89 | (*) | (*) |
| TENNESSEE | | | | | | | | | |
| ..... | 276.97 | 307.35 | 306.12 | 38.9 | 41.2 | 40.6 | 7.12 | 7.46 | 7.54 |
| Chattanooga | 268.27 | 305.87 | 292.90 | 38.6 | 41.9 | 40.4 | 6.95 | 7.30 | 7.25 |
| Knoxville | 331.04 | 356.66 | 356.00 | 38.9 | 40.3 | 39.6 | 8.51 | 8.85 | 8.99 |
| Memphis | 307.93 | 334.74 | 327.18 | 40.2 | 42.0 | 41.0 | 7.66 | 7.97 | 7.98 |
| Nashville—Davidson | 305.37 | 342.77 | 340.30 | 39.1 | 41.7 | 41.0 | 7.81 | 8.22 | 8.30 |
| TEXAS | | | | | | | | | |
| ..... | 344.34 | 361.97 | 358.75 | 39.9 | 40.9 | 40.4 | 8.63 | 8.85 | 8.88 |
| Dallas—Fort Worth | 329.91 | 358.69 | 358.63 | 39.7 | 40.9 | 40.8 | 8.31 | 8.77 | 8.79 |
| Houston | 420.02 | 443.94 | 433.46 | 40.7 | 42.2 | 40.7 | 10.32 | 10.52 | 10.65 |
| San Antonio | 247.65 | 269.43 | 266.80 | 39.0 | 40.7 | 40.0 | 6.35 | 6.62 | 6.67 |
| UTAH | | | | | | | | | |
| ..... | 322.18 | 342.52 | 346.14 | 38.4 | 39.1 | 39.2 | 8.39 | 8.76 | 8.83 |
| Salt Lake City—Ogden | 323.15 | 344.99 | 348.40 | 38.7 | 39.7 | 40.0 | 8.35 | 8.69 | 8.71 |
| VERMONT | | | | | | | | | |
| ..... | 285.57 | 297.44 | 299.77 | 38.8 | 39.5 | 39.6 | 7.36 | 7.53 | 7.57 |
| Burlington | 319.60 | 357.79 | 358.48 | 40.1 | 41.7 | 41.3 | 7.97 | 8.58 | 8.68 |
| Springfield | 312.76 | 288.17 | 289.30 | 38.9 | 39.1 | 39.2 | 8.04 | 7.37 | 7.38 |
| VIRGINIA | | | | | | | | | |
| ..... | 283.36 | 311.45 | 304.50 | 38.5 | 40.5 | 39.7 | 7.36 | 7.69 | 7.67 |
| Bristol | 250.42 | 249.74 | 249.33 | 38.0 | 38.9 | 38.3 | 6.59 | 6.42 | 6.51 |
| Lynchburg | 248.61 | 293.93 | 289.74 | 36.4 | 40.1 | 39.8 | 6.83 | 7.33 | 7.28 |
| Norfolk—Virginia Beach—Portsmouth | 312.48 | 352.41 | 343.80 | 40.9 | 43.4 | 43.3 | 7.64 | 8.12 | 7.94 |
| Northern Virginia ^a | 303.77 | 325.62 | 337.02 | 38.5 | 40.3 | 41.1 | 7.89 | 8.08 | 8.20 |
| Petersburg—Colonial Heights—Hopewell | 394.28 | 414.17 | 390.80 | 40.9 | 41.5 | 40.0 | 9.64 | 9.98 | 9.77 |
| Richmond | 365.11 | 405.81 | 397.56 | 38.8 | 40.1 | 38.9 | 9.41 | 10.12 | 10.22 |
| Roanoke | 252.50 | 269.07 | 273.91 | 38.2 | 40.1 | 40.4 | 6.61 | 6.71 | 6.78 |
| WASHINGTON | | | | | | | | | |
| ..... | 437.39 | 448.09 | (*) | 38.3 | 39.1 | (*) | 11.42 | 11.46 | (*) |
| WEST VIRGINIA | | | | | | | | | |
| ..... | 358.52 | 388.57 | 395.41 | 38.1 | 40.1 | 39.7 | 9.41 | 9.69 | 9.96 |
| Charleston | 430.13 | 483.05 | 488.48 | 41.2 | 42.9 | 43.0 | 10.44 | 11.26 | 11.36 |
| Huntington—Ashland | 381.22 | 431.59 | 432.51 | 35.2 | 38.5 | 39.0 | 10.83 | 11.21 | 11.09 |
| Parkersburg—Marietta | 412.29 | 440.84 | 445.46 | 40.5 | 41.2 | 41.4 | 10.18 | 10.70 | 10.76 |
| Wheeling | 385.88 | 435.34 | 434.33 | 37.5 | 41.5 | 38.2 | 10.29 | 10.49 | 11.37 |
| WISCONSIN | | | | | | | | | |
| ..... | 372.57 | 400.25 | 393.90 | 40.0 | 40.8 | 40.4 | 9.31 | 9.81 | 9.75 |
| Appleton—Oshkosh | 365.22 | 400.87 | 396.68 | 41.1 | 42.6 | 42.2 | 8.88 | 9.41 | 9.40 |
| Eau Claire | 353.96 | 387.45 | 392.89 | 40.3 | 41.0 | 41.4 | 8.78 | 9.45 | 9.49 |
| Green Bay | 409.18 | 434.09 | 420.65 | 42.6 | 41.5 | 40.8 | 9.61 | 10.46 | 10.31 |
| Janesville—Beloit | 388.19 | 444.96 | 427.18 | 39.0 | 41.2 | 40.3 | 9.96 | 10.80 | 10.60 |
| Kenosha | 499.45 | 512.35 | 442.97 | 42.3 | 43.2 | 37.7 | 11.81 | 11.86 | 11.75 |
| La Crosse | 329.35 | 339.21 | 351.75 | 37.6 | 38.9 | 40.2 | 8.75 | 8.72 | 8.75 |
| Madison | 372.98 | 380.66 | 377.29 | 40.5 | 40.8 | 40.7 | 9.22 | 9.33 | 9.27 |
| Milwaukee | 414.90 | 438.21 | 447.17 | 39.7 | 40.5 | 41.1 | 10.45 | 10.82 | 10.88 |
| Racine | 402.37 | 411.68 | 402.16 | 39.6 | 40.4 | 39.7 | 10.17 | 10.19 | 10.13 |
| WYOMING | | | | | | | | | |
| ..... | 298.43 | 330.33 | 331.87 | 34.5 | 38.1 | 38.5 | 8.65 | 8.67 | 8.62 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-12. 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 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| VIRGIN ISLANDS | 408.77 | 416.94 | 416.98 | 41.5 | 41.2 | 40.8 | 9.85 | 10.12 | 10.22 |

¹ Area included in Chicago—Gary Standard Consolidated Statistical Area.
² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
³ Subarea of New York—Northeastern New Jersey.
⁴ Subarea of Rochester Standard Metropolitan Statistical Area.
⁵ Area included in New York and Nassau—Suffolk combined SMSA's.
⁶ Subarea of New York Standard Metropolitan Statistical Area.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ 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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska and Wisconsin.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

| State and area | Civilian labor force | | | Unemployment | | | | | |
|---|----------------------|-----------|------------|--------------|-----------|------------|------------------------|-----------|------------|
| | | | | Number | | | Percent of labor force | | |
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| ALABAMA | 1,736.6 | 1,732.1 | 1,754.8 | 266.5 | 222.2 | 228.3 | 15.3 | 12.8 | 13.0 |
| Birmingham | 391.4 | 385.3 | 390.5 | 56.8 | 46.5 | 45.8 | 14.5 | 12.1 | 11.7 |
| Huntsville | 152.3 | 155.9 | 158.4 | 20.2 | 15.1 | 15.8 | 13.3 | 9.7 | 10.0 |
| Mobile | 197.8 | 200.5 | 202.3 | 29.0 | 28.7 | 28.4 | 14.7 | 14.3 | 14.1 |
| Montgomery | 127.7 | 124.7 | 125.7 | 15.5 | 14.0 | 13.4 | 12.1 | 11.3 | 10.6 |
| Tuscaloosa | 55.3 | 55.0 | 55.5 | 7.4 | 6.7 | 6.6 | 13.4 | 12.3 | 11.8 |
| ALASKA | 219.4 | 226.3 | 233.5 | 19.0 | 22.3 | 19.9 | 8.7 | 9.8 | 8.5 |
| ARIZONA | 1,317.5 | 1,325.6 | 1,326.9 | 149.5 | 138.0 | 135.0 | 11.4 | 10.4 | 10.2 |
| Phoenix | 796.6 | 806.3 | 807.7 | 68.3 | 64.8 | 62.1 | 8.6 | 8.0 | 7.7 |
| Tucson | 240.1 | 249.3 | 247.0 | 25.6 | 24.7 | 23.1 | 10.6 | 9.9 | 9.4 |
| ARKANSAS | 1,023.8 | 1,017.7 | 1,015.4 | 95.4 | 93.8 | 92.9 | 9.3 | 9.2 | 9.2 |
| Fayetteville-Springdale | 81.9 | 81.2 | 81.2 | 5.6 | 5.5 | 5.3 | 6.8 | 6.7 | 6.6 |
| Fort Smith ¹ | 86.3 | 87.7 | 88.0 | 9.3 | 9.3 | 8.6 | 10.7 | 10.6 | 9.8 |
| Little Rock—North Little Rock | 198.6 | 194.9 | 195.5 | 15.1 | 14.5 | 14.4 | 7.6 | 7.5 | 7.4 |
| Pine Bluff | 38.7 | 37.7 | 37.1 | 4.1 | 3.8 | 3.6 | 10.7 | 10.0 | 9.6 |
| CALIFORNIA ² | 12,397.4 | 12,433.7 | 12,437.6 | 1,322.8 | 1,251.3 | 1,181.9 | 10.7 | 10.1 | 9.5 |
| Anahelm—Santa Ana—Garden Grove | 1,216.2 | 1,226.6 | 1,230.1 | 97.3 | 86.1 | 76.7 | 8.0 | 7.0 | 6.2 |
| Bakersfield | 216.6 | 225.9 | 226.5 | 26.2 | 28.1 | 26.5 | 12.1 | 12.4 | 11.7 |
| Fresno | 297.8 | 304.5 | 305.2 | 38.6 | 40.7 | 35.8 | 12.9 | 13.4 | 11.7 |
| Los Angeles—Long Beach ³ | 3,874.0 | 3,783.0 | 3,753.0 | 401.0 | 385.0 | 393.0 | 10.4 | 10.2 | 10.5 |
| Modesto | 144.1 | 146.0 | 146.6 | 26.2 | 29.9 | 25.9 | 18.2 | 20.5 | 17.6 |
| Oxnard—Simi Valley—Ventura | 268.7 | 271.8 | 274.6 | 29.2 | 26.5 | 25.7 | 10.9 | 9.7 | 9.4 |
| Riverside—San Bernardino—Ontario | 642.7 | 649.0 | 646.1 | 87.6 | 73.9 | 70.8 | 13.6 | 11.4 | 11.0 |
| Sacramento | 522.4 | 528.7 | 531.8 | 62.6 | 56.2 | 51.4 | 12.0 | 10.6 | 9.7 |
| Salinas—Seaside—Monterey | 150.7 | 152.8 | 156.0 | 14.1 | 16.3 | 13.9 | 9.3 | 10.7 | 8.9 |
| San Diego | 845.7 | 855.7 | 863.6 | 88.0 | 77.0 | 69.8 | 10.4 | 9.0 | 8.1 |
| San Francisco—Oakland | 1,771.8 | 1,801.4 | 1,813.0 | 161.8 | 152.1 | 137.7 | 9.1 | 8.4 | 7.6 |
| San Jose | 832.1 | 849.1 | 852.9 | 65.7 | 68.5 | 60.5 | 7.9 | 8.1 | 7.1 |
| Santa Barbara—Santa Maria—Lompoc | 165.3 | 169.1 | 170.9 | 13.8 | 13.3 | 11.2 | 8.3 | 7.9 | 6.6 |
| Santa Rosa | 148.2 | 150.8 | 150.5 | 15.9 | 14.3 | 12.7 | 10.7 | 9.5 | 8.4 |
| Stockton | 185.0 | 186.5 | 185.6 | 29.5 | 30.8 | 27.4 | 16.0 | 16.5 | 14.8 |
| Vallejo—Fairfield—Napa | 143.8 | 147.2 | 146.8 | 15.9 | 15.9 | 14.5 | 11.1 | 10.8 | 9.9 |
| COLORADO | 1,600.5 | 1,678.8 | 1,670.2 | 127.6 | 122.1 | 111.5 | 8.0 | 7.3 | 6.7 |
| Denver—Boulder | 942.2 | 995.5 | 988.3 | 63.9 | 62.4 | 56.7 | 6.8 | 6.3 | 5.7 |
| CONNECTICUT | 1,625.9 | 1,638.3 | 1,632.9 | 114.4 | 104.6 | 103.2 | 7.0 | 6.4 | 6.3 |
| Bridgeport | 195.1 | 195.3 | 191.8 | 15.5 | 15.3 | 14.0 | 8.0 | 7.8 | 7.3 |
| Hartford | 392.2 | 396.5 | 396.1 | 26.0 | 22.8 | 23.0 | 6.6 | 5.8 | 5.8 |
| New Britain | 73.1 | 71.6 | 72.3 | 7.1 | 5.1 | 6.0 | 9.7 | 7.1 | 8.3 |
| New Haven—West Haven | 199.1 | 201.5 | 199.2 | 13.4 | 14.8 | 14.0 | 6.7 | 7.3 | 7.0 |
| Stamford | 129.3 | 133.0 | 132.5 | 5.7 | 5.7 | 5.2 | 4.4 | 4.3 | 4.0 |
| Waterbury | 107.1 | 106.5 | 106.3 | 9.6 | 7.4 | 8.1 | 9.0 | 6.9 | 7.6 |
| DELAWARE | 307.7 | 301.9 | 301.9 | 23.1 | 23.2 | 23.1 | 7.5 | 7.7 | 7.6 |
| Wilmington ¹ | 266.5 | 263.3 | 261.9 | 20.4 | 21.7 | 21.1 | 7.6 | 8.3 | 8.1 |
| DISTRICT OF COLUMBIA | 321.0 | 324.1 | 340.9 | 36.2 | 35.6 | 38.5 | 11.3 | 11.0 | 11.3 |
| Washington SMSA ¹ | 1,735.3 | 1,782.7 | 1,802.6 | 104.9 | 90.3 | 90.0 | 6.0 | 5.1 | 5.0 |
| FLORIDA ² | 4,808.7 | 4,956.7 | 5,017.4 | 361.5 | 434.4 | 409.1 | 7.5 | 8.8 | 8.2 |
| Daytona Beach | 119.7 | 122.3 | 123.8 | 6.2 | 9.3 | 7.8 | 5.2 | 7.6 | 6.3 |
| Fort Lauderdale—Hollywood | 506.8 | 513.6 | 527.0 | 29.2 | 39.0 | 35.8 | 5.8 | 7.6 | 6.8 |
| Fort Myers—Cape Coral | 102.8 | 107.9 | 106.0 | 6.4 | 7.9 | 7.3 | 6.2 | 7.4 | 6.8 |
| Gainesville | 87.1 | 80.4 | 82.8 | 3.0 | 3.8 | 3.7 | 3.5 | 4.7 | 4.4 |
| Jacksonville | 361.7 | 374.1 | 380.6 | 23.3 | 30.6 | 26.6 | 6.4 | 8.2 | 7.0 |
| Lakeland—Winter Haven | 146.8 | 153.2 | 151.2 | 24.4 | 24.8 | 25.7 | 16.6 | 16.2 | 17.0 |
| Melbourne—Titusville—Cocoa | 131.8 | 136.6 | 141.8 | 9.1 | 11.4 | 11.1 | 6.9 | 8.3 | 7.8 |
| Miami | 864.3 | 870.1 | 884.4 | 79.7 | 88.0 | 79.3 | 9.2 | 10.1 | 9.0 |
| Orlando | 396.5 | 434.0 | 434.2 | 24.2 | 31.0 | 29.9 | 6.1 | 7.1 | 6.9 |
| Pensacola | 128.6 | 136.8 | 137.2 | 7.6 | 10.0 | 10.5 | 5.9 | 7.3 | 7.6 |
| Sarasota | 87.1 | 89.7 | 92.0 | 5.3 | 5.8 | 5.0 | 6.1 | 6.5 | 5.4 |
| Tallahassee | 89.0 | 91.4 | 92.2 | 3.6 | 4.8 | 4.5 | 4.0 | 5.3 | 4.9 |
| Tampa—St. Petersburg | 758.7 | 784.0 | 795.3 | 49.6 | 59.2 | 54.3 | 6.5 | 7.6 | 6.8 |
| West Palm Beach—Boca Raton | 278.3 | 294.8 | 298.2 | 21.8 | 27.8 | 27.6 | 7.8 | 9.4 | 9.3 |

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

| State and area | Civilian labor force | | | Unemployment | | | | | |
|---|----------------------|--------------|---------------|--------------|--------------|---------------|------------------------|--------------|---------------|
| | | | | Number | | | Percent of labor force | | |
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| GEORGIA | 2,682.3 | 2,712.2 | 2,697.9 | 211.9 | 194.2 | 196.0 | 7.9 | 7.2 | 7.3 |
| Albany | 53.5 | 53.0 | 53.1 | 6.0 | 5.2 | 5.0 | 11.3 | 9.8 | 9.5 |
| Athens | 65.0 | 66.8 | 67.3 | 4.1 | 4.0 | 4.2 | 6.3 | 6.0 | 6.2 |
| Atlanta | 1,104.0 | 1,120.9 | 1,115.6 | 69.0 | 69.9 | 66.4 | 6.3 | 6.2 | 6.0 |
| Augusta | 136.9 | 136.3 | 134.5 | 12.1 | 12.1 | 12.3 | 8.8 | 8.9 | 9.2 |
| Columbus ¹ | 90.0 | 88.5 | 88.9 | 8.5 | 7.2 | 7.0 | 9.5 | 8.2 | 7.9 |
| Macon | 108.5 | 109.5 | 109.1 | 7.6 | 8.4 | 8.5 | 7.0 | 7.7 | 7.8 |
| Savannah | 97.4 | 98.1 | 98.1 | 7.6 | 8.1 | 8.6 | 7.8 | 8.2 | 8.8 |
| HAWAII | 466.1 | 467.4 | 469.9 | 31.9 | 33.7 | 33.1 | 6.8 | 7.2 | 7.1 |
| Honolulu | 355.2 | 356.5 | 358.6 | 22.2 | 22.6 | 22.5 | 6.2 | 6.3 | 6.3 |
| IDAHO | 451.4 | 463.9 | 458.5 | 42.7 | 45.3 | 42.8 | 9.5 | 9.8 | 9.3 |
| Boise City | 92.9 | 98.0 | 97.2 | 6.5 | 8.0 | 7.0 | 7.0 | 8.2 | 7.2 |
| ILLINOIS² | 5,741.4 | 5,639.9 | 5,656.9 | 699.7 | 718.5 | 662.9 | 12.2 | 12.7 | 11.7 |
| Bloomington—Normal | 60.5 | 62.8 | 63.2 | 4.6 | 5.4 | 5.1 | 7.6 | 8.5 | 8.1 |
| Champaign—Urbana—Rantoul | 84.2 | 83.6 | 84.1 | 5.3 | 6.2 | 5.8 | 6.3 | 7.4 | 6.9 |
| Chicago | 3,596.8 | 3,508.5 | 3,511.9 | 415.2 | 410.2 | 376.8 | 11.5 | 11.7 | 10.7 |
| Davenport—Rock Island—Moline ¹ | 197.8 | 190.7 | 189.0 | 28.2 | 29.9 | 27.0 | 14.3 | 15.7 | 14.3 |
| Decatur | 64.7 | 62.7 | 63.9 | 10.4 | 10.3 | 9.5 | 16.1 | 16.4 | 14.9 |
| Kankakee | 44.1 | 42.4 | 41.7 | 7.5 | 7.5 | 7.0 | 17.0 | 17.6 | 16.7 |
| Peoria | 180.7 | 175.9 | 173.9 | 28.3 | 32.2 | 29.0 | 15.7 | 18.3 | 16.7 |
| Rockford | 139.3 | 136.0 | 135.2 | 25.5 | 21.2 | 19.0 | 18.3 | 15.6 | 14.1 |
| Springfield | 103.4 | 102.4 | 104.6 | 7.7 | 9.6 | 8.7 | 7.4 | 9.4 | 8.3 |
| INDIANA | 2,581.4 | 2,549.0 | 2,541.6 | 290.1 | 250.3 | 233.9 | 11.2 | 9.8 | 9.2 |
| Anderson | 54.8 | 53.9 | 54.2 | 7.2 | 5.6 | 5.2 | 13.1 | 10.4 | 9.7 |
| Elkhart | 68.9 | 74.3 | 74.6 | 6.7 | 4.2 | 4.3 | 9.8 | 5.6 | 5.8 |
| Evansville ¹ | 148.2 | N.A. | N.A. | 13.0 | N.A. | N.A. | 8.8 | N.A. | N.A. |
| Fort Wayne | 188.8 | 181.6 | 181.5 | 21.8 | 17.4 | 16.2 | 11.5 | 9.6 | 8.9 |
| Gary—Hammond—East Chicago | 291.0 | 278.2 | 277.2 | 45.3 | 38.2 | 35.1 | 15.6 | 13.7 | 12.7 |
| Indianapolis | 601.3 | 599.9 | 599.1 | 53.9 | 52.2 | 49.1 | 9.0 | 8.7 | 8.2 |
| Lafayette—West Lafayette | 59.8 | 60.2 | 60.3 | 4.4 | 4.6 | 4.0 | 7.3 | 7.6 | 6.6 |
| Muncie | 53.5 | 51.9 | 52.6 | 6.7 | 5.7 | 5.5 | 12.4 | 10.9 | 10.5 |
| South Bend | 139.4 | 139.4 | 137.7 | 14.3 | 11.8 | 12.0 | 10.3 | 8.5 | 8.7 |
| Terre Haute | 79.4 | 77.9 | 78.0 | 8.7 | 8.9 | 8.4 | 11.0 | 11.4 | 10.7 |
| IOWA | 1,453.4 | 1,437.3 | 1,415.3 | 122.7 | 112.3 | 105.3 | 8.4 | 7.8 | 7.4 |
| Cedar Rapids | 85.9 | 82.3 | 80.0 | 9.1 | 6.8 | 6.6 | 10.6 | 8.2 | 8.2 |
| Des Moines | 184.6 | 180.3 | 178.5 | 14.7 | 13.5 | 12.7 | 7.9 | 7.5 | 7.1 |
| Dubuque | 43.9 | 42.8 | 42.3 | 6.3 | 5.1 | 4.7 | 14.3 | 11.9 | 11.0 |
| Sioux City ¹ | 54.8 | 54.6 | 53.6 | 4.8 | 4.4 | 3.9 | 8.7 | 8.0 | 7.2 |
| Waterloo—Cedar Falls | 67.3 | 63.4 | 62.8 | 7.6 | 7.7 | 7.1 | 11.3 | 12.1 | 11.3 |
| KANSAS | 1,194.3 | 1,215.3 | 1,200.6 | 76.5 | 74.8 | 68.0 | 6.4 | 6.2 | 5.7 |
| Lawrence | 31.6 | 32.4 | 32.2 | 1.7 | 1.9 | 1.7 | 5.4 | 5.8 | 5.4 |
| Topeka | 95.2 | 97.2 | 96.1 | 6.3 | 6.7 | 6.0 | 6.6 | 6.9 | 6.2 |
| Wichita | 224.8 | 225.6 | 225.9 | 20.3 | 17.4 | 16.8 | 9.0 | 7.7 | 7.4 |
| KENTUCKY | 1,658.9 | 1,674.9 | 1,635.9 | 176.6 | 188.0 | 186.2 | 10.6 | 11.2 | 11.4 |
| Lexington—Fayette | 180.0 | 177.7 | N.A. | 11.6 | 9.8 | N.A. | 6.4 | 5.5 | N.A. |
| Louisville ¹ | 434.4 | 421.2 | N.A. | 47.7 | 44.1 | N.A. | 11.0 | 10.5 | N.A. |
| Owensboro | 43.5 | 43.0 | N.A. | 3.6 | 4.3 | N.A. | 8.2 | 10.0 | N.A. |
| LOUISIANA | 1,860.6 | 1,886.1 | 1,892.4 | 198.0 | 246.6 | 233.9 | 10.6 | 13.1 | 12.4 |
| Alexandria | 73.8 | 75.7 | 75.6 | 8.8 | 9.7 | 9.2 | 12.0 | 12.8 | 12.2 |
| Baton Rouge | 227.6 | 234.3 | 236.9 | 21.7 | 26.6 | 24.9 | 9.5 | 11.4 | 10.5 |
| Lafayette | 100.2 | 102.2 | 101.8 | 5.2 | 9.0 | 8.7 | 5.2 | 8.8 | 8.5 |
| Lake Charles | 79.7 | 74.9 | 75.2 | 11.6 | 11.6 | 11.5 | 14.5 | 15.5 | 15.2 |
| Monroe | 57.4 | 57.9 | 58.7 | 7.4 | 6.9 | 6.7 | 12.9 | 12.0 | 11.4 |
| New Orleans | 517.3 | 514.7 | 518.2 | 49.6 | 59.3 | 55.7 | 9.6 | 11.5 | 10.8 |
| Shreveport | 160.1 | 167.4 | 166.6 | 15.6 | 20.9 | 19.8 | 9.7 | 12.5 | 11.9 |
| MAINE | 536.0 | 552.4 | 564.6 | 54.6 | 47.5 | 56.5 | 10.2 | 8.6 | 10.0 |
| Lewiston—Auburn | 38.9 | 40.0 | 40.6 | 6.0 | 3.7 | 6.2 | 15.5 | 9.2 | 15.3 |
| Portland | 94.7 | 102.8 | 102.0 | 6.9 | 6.8 | 6.9 | 7.3 | 6.6 | 6.7 |
| MARYLAND | 2,192.1 | 2,188.5 | 2,215.6 | 183.7 | 143.9 | 139.6 | 8.4 | 6.6 | 6.3 |
| Baltimore | 1,083.7 | 1,070.7 | 1,085.9 | 107.1 | 80.4 | 77.6 | 9.9 | 7.5 | 7.1 |

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

| State and area | Civilian labor force | | | Unemployment | | | | | |
|---|----------------------|-----------|------------|--------------|-----------|------------|------------------------|-----------|------------|
| | | | | Number | | | Percent of labor force | | |
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| MASSACHUSETTS | 3,096.3 | 3,025.2 | 3,046.3 | 298.0 | 226.4 | 189.9 | 9.6 | 7.5 | 6.2 |
| Boston | 1,481.4 | 1,463.4 | 1,481.1 | 120.2 | 95.4 | 78.7 | 8.1 | 6.5 | 5.3 |
| Brockton | 83.3 | 83.3 | 82.4 | 9.3 | 7.5 | 6.3 | 11.1 | 9.0 | 7.6 |
| Fall River ¹ | 75.4 | 74.2 | 74.6 | 10.8 | 7.7 | 7.6 | 14.3 | 10.4 | 10.2 |
| Lawrence—Haverhill ¹ | 154.8 | 150.3 | 150.9 | 18.2 | 11.7 | 10.9 | 11.8 | 7.8 | 7.2 |
| Lowell | 137.3 | 135.9 | 136.5 | 12.3 | 8.4 | 7.2 | 8.9 | 6.2 | 5.2 |
| New Bedford | 91.5 | 87.6 | 88.1 | 14.1 | 8.6 | 8.0 | 15.4 | 9.8 | 9.1 |
| Springfield—Chicopee—Holyoke | 296.7 | 286.3 | 289.1 | 28.5 | 21.9 | 18.6 | 9.6 | 7.6 | 6.4 |
| Worcester | 209.3 | 202.4 | 199.7 | 24.7 | 17.4 | 13.9 | 11.8 | 8.6 | 6.9 |
| MICHIGAN | 4,381.5 | 4,420.2 | 4,403.8 | 644.8 | 647.5 | 574.8 | 14.7 | 14.6 | 13.1 |
| Ann Arbor | 144.0 | 144.2 | N.A. | 13.6 | 13.9 | N.A. | 9.4 | 9.6 | N.A. |
| Battle Creek | 85.5 | 85.5 | N.A. | 15.6 | 12.5 | N.A. | 18.3 | 14.6 | N.A. |
| Bay City | 53.3 | 56.5 | N.A. | 7.1 | 9.8 | N.A. | 13.4 | 17.3 | N.A. |
| Benton Harbor | 74.3 | 72.7 | N.A. | 12.3 | 12.3 | N.A. | 16.5 | 16.9 | N.A. |
| Detroit | 2,027.1 | 2,035.8 | N.A. | 310.2 | 313.3 | N.A. | 15.3 | 15.4 | N.A. |
| Flint | 225.1 | 229.6 | N.A. | 40.3 | 37.9 | N.A. | 17.9 | 16.5 | N.A. |
| Grand Rapids | 334.1 | 342.2 | N.A. | 38.5 | 40.3 | N.A. | 11.5 | 11.8 | N.A. |
| Jackson | 68.1 | 67.4 | N.A. | 11.2 | 11.9 | N.A. | 16.5 | 17.6 | N.A. |
| Kalamazoo—Portage | 139.3 | 140.0 | N.A. | 14.4 | 15.8 | N.A. | 10.4 | 11.3 | N.A. |
| Lansing—East Lansing | 237.0 | 248.9 | N.A. | 27.8 | 23.1 | N.A. | 11.7 | 9.3 | N.A. |
| Muskegon—Norton Shores—Muskegon Heights | 82.4 | 81.1 | N.A. | 14.3 | 14.1 | N.A. | 17.3 | 17.3 | N.A. |
| Saginaw | 101.0 | 101.7 | N.A. | 15.5 | 14.5 | N.A. | 15.3 | 14.3 | N.A. |
| MINNESOTA | 2,220.6 | 2,196.5 | 2,202.4 | 177.6 | 176.7 | 164.9 | 8.0 | 8.0 | 7.5 |
| Duluth—Superior ¹ | 123.4 | 110.4 | 110.1 | 24.4 | 17.3 | 16.7 | 19.8 | 15.6 | 15.2 |
| Minneapolis—St. Paul | 1,165.7 | 1,167.6 | 1,167.0 | 77.9 | 80.6 | 76.0 | 6.7 | 6.9 | 6.5 |
| Rochester | 58.7 | 59.8 | 60.9 | 3.1 | 3.5 | 3.2 | 5.2 | 5.8 | 5.2 |
| St. Cloud | 78.5 | 79.3 | 79.5 | 7.0 | 7.5 | 6.9 | 8.9 | 9.5 | 8.7 |
| MISSISSIPPI | 1,068.7 | 1,076.0 | 1,076.8 | 122.7 | 148.5 | 144.0 | 11.5 | 13.8 | 13.4 |
| Jackson | 161.6 | 160.9 | 159.7 | 12.9 | 14.9 | 13.8 | 8.0 | 9.3 | 8.7 |
| MISSOURI | 2,332.5 | 2,371.2 | 2,353.8 | 219.4 | 219.0 | 222.2 | 9.4 | 9.2 | 9.4 |
| Kansas City ¹ | 683.0 | 690.0 | 685.1 | 52.9 | 54.6 | 54.4 | 7.7 | 7.9 | 7.9 |
| St. Joseph | 46.2 | 47.3 | 46.9 | 4.2 | 4.7 | 4.4 | 9.1 | 9.8 | 9.4 |
| St. Louis ¹ | 1,137.2 | 1,148.8 | 1,148.8 | 115.4 | 121.9 | 119.0 | 10.2 | 10.6 | 10.4 |
| Springfield | 110.1 | 111.0 | 114.5 | 9.2 | 7.5 | 8.2 | 8.3 | 6.8 | 7.2 |
| MONTANA | 406.4 | 393.8 | 389.9 | 34.3 | 32.8 | 32.2 | 8.4 | 8.3 | 8.3 |
| NEBRASKA | 817.6 | 817.4 | 809.4 | 50.1 | 47.0 | 43.7 | 6.1 | 5.7 | 5.4 |
| Lincoln | 109.2 | 108.6 | 106.9 | 5.7 | 5.2 | 4.8 | 5.2 | 4.8 | 4.5 |
| Omaha ¹ | 288.8 | 290.7 | 286.3 | 21.1 | 18.8 | 17.9 | 7.3 | 6.5 | 6.2 |
| NEVADA | 490.1 | 504.3 | 498.8 | 49.7 | 45.3 | 44.8 | 10.1 | 9.0 | 9.0 |
| Las Vegas | 270.8 | 283.7 | 277.6 | 30.3 | 27.0 | 27.2 | 11.2 | 9.5 | 9.8 |
| Reno | 134.7 | 135.5 | 135.7 | 11.0 | 10.1 | 9.8 | 8.1 | 7.5 | 7.2 |
| NEW HAMPSHIRE | 508.2 | 505.8 | 512.1 | 46.2 | 23.7 | 28.8 | 9.1 | 4.7 | 5.6 |
| Manchester | 88.2 | 88.7 | 89.5 | 10.4 | 3.9 | 5.5 | 11.8 | 4.4 | 6.1 |
| Nashua | 84.9 | 89.6 | 89.6 | 5.8 | 3.6 | 4.0 | 6.9 | 4.0 | 4.5 |
| NEW JERSEY | 3,710.5 | 3,696.8 | 3,737.4 | 311.9 | 314.7 | 309.3 | 8.4 | 8.5 | 8.3 |
| Atlantic City | 127.4 | 127.3 | 132.0 | 10.1 | 11.4 | 11.3 | 7.9 | 9.0 | 8.6 |
| Jersey City | 245.8 | 242.2 | 245.8 | 31.5 | 32.7 | 32.6 | 12.8 | 13.5 | 13.3 |
| Long Branch—Asbury Park | 262.7 | 261.6 | 265.8 | 19.8 | 20.3 | 19.0 | 7.5 | 7.8 | 7.2 |
| New Brunswick—Perth Amboy—Sayreville | 340.5 | 336.8 | 340.9 | 27.5 | 27.0 | 27.1 | 8.1 | 8.0 | 7.9 |
| Newark | 991.7 | 986.7 | 996.4 | 80.9 | 81.9 | 79.9 | 8.2 | 8.3 | 8.0 |
| Paterson—Clifton—Passaic | 215.4 | 219.8 | 221.8 | 24.0 | 24.0 | 24.0 | 11.1 | 10.9 | 10.8 |
| Trenton | 160.9 | 160.1 | 161.8 | 13.2 | 11.9 | 12.2 | 8.2 | 7.4 | 7.5 |
| Vineland—Millville—Bridgeton | 59.3 | 59.3 | 58.8 | 9.0 | 9.4 | 8.4 | 15.2 | 15.9 | 14.2 |
| NEW MEXICO | 599.3 | 609.4 | 608.9 | 58.2 | 66.0 | 64.4 | 9.7 | 10.8 | 10.6 |
| Albuquerque | 219.8 | 226.8 | 227.6 | 18.8 | 20.8 | 20.1 | 8.5 | 9.2 | 8.8 |
| Las Cruces | 36.8 | 39.5 | 38.6 | 4.1 | 4.1 | 3.9 | 11.1 | 10.3 | 10.0 |

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

| State and area | Civilian labor force | | | Unemployment | | | | | |
|---|----------------------|--------------|---------------|--------------|--------------|---------------|---------------------------|--------------|---------------|
| | JULY 1982 | JUNE 1983 | JULY 1983P | Number | | | Percent of labor force | | |
| | | | | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| NEW YORK² | 8,251.9 | 8,209.0 | 8,408.1 | 700.4 | 750.3 | 731.9 | 8.5 | 9.1 | 8.7 |
| Albany—Schenectady—Troy | 379.4 | 385.5 | 393.3 | 26.0 | 32.7 | 27.7 | 6.9 | 8.5 | 7.1 |
| Binghamton ¹ | 142.5 | 145.4 | 147.2 | 10.8 | 13.0 | 10.9 | 7.6 | 9.0 | 7.4 |
| Buffalo | 559.2 | 557.4 | 562.3 | 68.1 | 76.3 | 63.8 | 12.2 | 13.7 | 11.4 |
| Elmira | 39.0 | 38.1 | 39.1 | 4.6 | 4.4 | 3.7 | 11.9 | 11.6 | 9.4 |
| Nassau-Suffolk | 1,379.4 | 1,423.9 | 1,462.7 | 91.3 | 109.4 | 94.4 | 6.6 | 7.7 | 6.5 |
| New York | 3,795.3 | 3,673.2 | 3,765.3 | 342.0 | 313.5 | 366.3 | 9.0 | 8.5 | 9.7 |
| New York City ² | 3,161.0 | 3,029.0 | 3,101.0 | 308.0 | 270.0 | 330.0 | 9.7 | 8.9 | 10.6 |
| Poughkeepsie | 116.3 | 118.5 | 123.3 | 6.2 | 8.9 | 7.7 | 5.3 | 7.5 | 6.2 |
| Rochester | 483.0 | 491.6 | 499.1 | 32.5 | 50.9 | 41.3 | 6.7 | 10.4 | 8.3 |
| Syracuse | 304.5 | 312.6 | 318.9 | 23.6 | 28.7 | 22.2 | 7.7 | 9.2 | 7.0 |
| Utica—Rome | 138.0 | 139.1 | 142.9 | 12.4 | 13.7 | 11.8 | 9.0 | 9.9 | 8.3 |
| NORTH CAROLINA | 2,995.4 | 2,950.3 | 2,950.9 | 302.6 | 251.6 | 254.9 | 10.1 | 8.5 | 8.6 |
| Asheville | 94.3 | 94.7 | 95.1 | 7.6 | 6.5 | 6.8 | 8.1 | 6.9 | 7.1 |
| Charlotte—Gastonia | 387.9 | 389.2 | 387.1 | 31.8 | 26.5 | 26.4 | 8.2 | 6.8 | 6.8 |
| Greensboro—Winston-Salem—High Point | 454.3 | 462.8 | 459.3 | 38.0 | 34.3 | 35.1 | 8.4 | 7.4 | 7.6 |
| Raleigh—Durham | 315.5 | 327.6 | 326.2 | 14.4 | 15.0 | 15.1 | 4.6 | 4.6 | 4.6 |
| NORTH DAKOTA | 341.0 | 329.6 | 336.1 | 17.6 | 15.9 | 14.3 | 5.2 | 4.8 | 4.3 |
| Fargo—Moorehead ¹ | 72.1 | 72.6 | 72.2 | 3.9 | 4.0 | 3.7 | 5.4 | 5.5 | 5.1 |
| OHIO² | 5,273.6 | 5,266.9 | 5,302.1 | 645.6 | 671.6 | 578.7 | 12.2 | 12.8 | 10.9 |
| Akron | 313.7 | 311.8 | 318.3 | 37.6 | 38.9 | 33.9 | 12.0 | 12.5 | 10.6 |
| Canton | 201.2 | 196.7 | 198.0 | 29.2 | 28.8 | 24.3 | 14.5 | 14.7 | 12.3 |
| Cincinnati ¹ | 698.6 | N.A. | N.A. | 73.3 | N.A. | N.A. | 10.5 | N.A. | N.A. |
| Cleveland | 967.4 | 961.2 | 969.7 | 104.5 | 117.4 | 99.7 | 10.8 | 12.2 | 10.3 |
| Columbus | 582.9 | 593.0 | 600.8 | 52.1 | 57.3 | 50.9 | 8.9 | 9.7 | 8.5 |
| Dayton | 400.1 | 397.9 | 398.6 | 45.0 | 43.4 | 37.6 | 11.2 | 10.9 | 9.4 |
| Toledo ¹ | 376.7 | 381.2 | N.A. | 46.9 | 48.7 | N.A. | 12.5 | 12.8 | N.A. |
| Youngstown—Warren | 242.8 | 237.2 | 237.8 | 44.9 | 40.4 | 34.1 | 18.5 | 17.0 | 14.3 |
| OKLAHOMA | 1,477.4 | 1,528.7 | 1,528.6 | 89.3 | 140.3 | 131.9 | 6.0 | 9.2 | 8.6 |
| Enid | 31.4 | 31.8 | 31.9 | 1.7 | 2.6 | 2.2 | 5.4 | 8.1 | 7.0 |
| Lawton | 35.4 | 36.3 | 36.9 | 1.9 | 2.4 | 2.3 | 5.2 | 6.7 | 6.2 |
| Oklahoma City | 456.8 | 478.4 | 480.2 | 20.9 | 31.8 | 29.8 | 4.6 | 6.6 | 6.2 |
| Tulsa | 355.5 | 359.6 | 360.9 | 24.1 | 37.3 | 34.7 | 6.8 | 10.4 | 9.6 |
| OREGON | 1,330.8 | 1,370.7 | 1,346.2 | 142.8 | 125.0 | 127.8 | 10.7 | 9.1 | 9.5 |
| Eugene—Springfield | 128.8 | 133.8 | 130.3 | 15.2 | 13.1 | 13.3 | 11.8 | 9.8 | 10.2 |
| Medford | 63.3 | 65.4 | 65.0 | 8.8 | 6.5 | 6.4 | 13.9 | 9.9 | 9.9 |
| Portland ¹ | 667.8 | 682.2 | 673.4 | 64.6 | 61.8 | 62.3 | 9.7 | 9.1 | 9.3 |
| Salem | 129.8 | 130.6 | 127.7 | 11.6 | 10.5 | 10.2 | 9.0 | 8.0 | 8.0 |
| PENNSYLVANIA² | 5,577.7 | 5,607.4 | 5,670.3 | 595.4 | 721.2 | 616.8 | 10.7 | 12.9 | 10.9 |
| Allentown—Bethlehem—Easton ¹ | 314.6 | 313.1 | 318.2 | 32.0 | 38.7 | 33.8 | 10.2 | 12.4 | 10.6 |
| Altoona | 57.1 | 59.1 | 60.1 | 5.5 | 9.6 | 9.4 | 9.6 | 16.2 | 15.6 |
| Erie | 127.8 | 129.8 | 131.3 | 14.7 | 20.8 | 17.2 | 11.5 | 16.0 | 13.1 |
| Harrisburg | 243.5 | 240.9 | 247.5 | 16.3 | 16.6 | 15.3 | 6.7 | 6.9 | 6.2 |
| Johnstown | 109.3 | 109.8 | 110.9 | 18.6 | 23.3 | 21.4 | 17.0 | 21.3 | 19.3 |
| Lancaster | 187.4 | 185.9 | 189.8 | 13.7 | 13.0 | 11.5 | 7.3 | 7.0 | 6.1 |
| Northeast Pennsylvania | 292.4 | 294.6 | 301.4 | 33.9 | 35.7 | 34.5 | 11.6 | 12.1 | 11.5 |
| Philadelphia ¹ | 2,218.7 | 2,235.9 | 2,262.3 | 187.0 | 211.1 | 183.3 | 8.4 | 9.4 | 8.1 |
| Pittsburgh | 1,060.0 | 1,060.1 | 1,061.4 | 131.0 | 171.3 | 141.2 | 12.4 | 16.2 | 13.3 |
| Reading | 158.6 | 162.0 | 163.8 | 15.9 | 17.4 | 14.7 | 10.0 | 10.8 | 9.0 |
| Sharon | 56.3 | 55.4 | 54.7 | 8.4 | 10.9 | 9.1 | 14.9 | 19.8 | 16.6 |
| State College | 49.8 | 49.9 | 51.5 | 4.8 | 6.1 | 5.3 | 9.7 | 12.1 | 10.2 |
| Williamsport | 53.3 | 53.4 | 53.5 | 6.2 | 8.4 | 7.4 | 11.6 | 15.7 | 13.9 |
| York | 184.7 | 183.3 | 182.6 | 20.6 | 21.8 | 18.7 | 11.2 | 11.9 | 10.2 |
| RHODE ISLAND | 485.1 | 477.5 | 480.8 | 56.3 | 39.8 | 44.5 | 11.6 | 8.3 | 9.3 |
| Providence—Warwick—Pawtucket ¹ | 480.3 | 469.7 | 470.5 | 58.7 | 41.6 | 44.8 | 12.2 | 8.9 | 9.5 |
| SOUTH CAROLINA | 1,516.4 | 1,478.0 | 1,456.1 | 176.4 | 145.6 | 143.4 | 11.6 | 9.8 | 9.8 |
| Charleston—North Charleston | 183.0 | 182.9 | 178.2 | 15.8 | 16.0 | 15.7 | 8.6 | 8.7 | 8.8 |
| Columbia | 199.5 | 194.5 | 192.8 | 16.5 | 13.2 | 13.2 | 8.3 | 6.8 | 6.8 |
| Greenville—Spartanburg | 296.7 | 288.8 | 282.6 | 33.9 | 25.1 | 24.8 | 11.4 | 8.7 | 8.8 |
| SOUTH DAKOTA | 343.1 | 347.3 | 342.3 | 17.9 | 18.0 | 16.4 | 5.2 | 5.2 | 4.8 |
| Sioux Falls | 63.5 | 66.4 | 65.5 | 2.7 | 2.8 | 2.6 | 4.2 | 4.2 | 3.9 |
| TENNESSEE | 2,145.5 | 2,163.3 | 2,157.3 | 260.5 | 240.7 | 233.1 | 12.1 | 11.1 | 10.8 |
| Chattanooga ¹ | 198.8 | 197.1 | 193.6 | 20.7 | 18.3 | 17.8 | 10.4 | 9.3 | 9.2 |
| Knoxville | 236.3 | 234.3 | 233.6 | 20.8 | 23.9 | 22.6 | 8.8 | 10.2 | 9.7 |
| Memphis ¹ | 405.9 | 403.1 | 401.3 | 40.2 | 37.7 | 35.5 | 9.9 | 9.4 | 8.9 |
| Nashville—Davidson | 442.9 | 444.5 | 443.8 | 39.5 | 36.1 | 34.8 | 8.9 | 8.1 | 7.8 |

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

| State and area | Civilian labor force | | | Unemployment | | | | | |
|--|----------------------|--------------|---------------|--------------|--------------|---------------|------------------------|--------------|---------------|
| | | | | Number | | | Percent of labor force | | |
| | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P | JULY 1982 | JUNE 1983 | JULY 1983P |
| TEXAS² | 7,433.1 | 7,702.6 | 7,720.8 | 545.3 | 656.9 | 637.1 | 7.3 | 8.5 | 8.3 |
| Abilene | 76.8 | 80.7 | 80.7 | 4.4 | 4.3 | 4.2 | 5.7 | 5.4 | 5.2 |
| Amarillo | 92.1 | 99.2 | 100.0 | 4.9 | 5.4 | 5.3 | 5.3 | 5.5 | 5.3 |
| Austin | 289.9 | 302.2 | 305.3 | 16.0 | 12.8 | 13.1 | 5.5 | 4.2 | 4.3 |
| Beaumont—Port Arthur—Orange | 184.4 | 186.6 | 185.2 | 21.7 | 27.7 | 26.3 | 11.7 | 14.9 | 14.2 |
| Brownsville—Harlingen—San Benito | 86.3 | 88.3 | 88.0 | 10.5 | 14.8 | 14.6 | 12.2 | 16.7 | 16.6 |
| Bryan—College Station | 49.8 | 49.9 | 50.8 | 2.4 | 2.0 | 2.0 | 4.7 | 4.0 | 4.0 |
| Corpus Christi | 166.5 | 175.4 | 176.4 | 13.3 | 21.4 | 20.7 | 8.0 | 12.2 | 11.7 |
| Dallas—Fort Worth | 1,713.8 | 1,788.8 | 1,797.8 | 106.8 | 102.7 | 97.1 | 6.2 | 5.7 | 5.4 |
| El Paso | 193.0 | 198.9 | 198.6 | 23.0 | 24.9 | 24.4 | 11.9 | 12.5 | 12.3 |
| Galveston—Texas City | 90.9 | 93.8 | 91.9 | 10.3 | 12.1 | 11.4 | 11.3 | 12.9 | 12.4 |
| Houston | 1,778.7 | 1,819.5 | 1,824.3 | 124.5 | 184.0 | 178.0 | 7.0 | 10.1 | 9.8 |
| Killeen—Temple | 70.2 | 73.9 | 74.2 | 4.2 | 4.2 | 4.1 | 6.0 | 5.7 | 5.5 |
| Laredo | 41.1 | 42.1 | 40.8 | 5.8 | 11.3 | 10.7 | 14.2 | 26.8 | 26.2 |
| Longview—Marshall | 80.9 | 81.9 | 82.0 | 7.8 | 10.0 | 9.7 | 9.7 | 12.3 | 11.9 |
| Lubbock | 106.6 | 107.5 | 110.6 | 6.0 | 6.6 | 7.9 | 5.7 | 6.1 | 7.1 |
| McAllen—Pharr—Edinburg | 105.8 | 115.1 | 110.8 | 16.5 | 21.3 | 23.4 | 15.6 | 18.5 | 21.1 |
| Midland | 65.6 | 66.8 | 67.8 | 3.6 | 4.3 | 4.2 | 5.4 | 6.4 | 6.1 |
| Odessa | 75.4 | 73.7 | 74.4 | 4.7 | 7.6 | 7.1 | 6.3 | 10.4 | 9.6 |
| San Angelo | 48.9 | 47.9 | 48.0 | 3.6 | 2.7 | 2.6 | 7.4 | 5.6 | 5.3 |
| San Antonio | 473.1 | 497.4 | 500.8 | 33.2 | 31.4 | 31.0 | 7.0 | 6.3 | 6.2 |
| Sherman—Denison | 40.4 | 40.0 | 40.2 | 3.4 | 3.3 | 3.1 | 8.5 | 8.3 | 7.6 |
| Texarkana | 51.0 | 52.5 | 52.1 | 5.0 | 5.1 | 5.0 | 9.8 | 9.7 | 9.6 |
| Tyler | 73.1 | 74.9 | 75.1 | 5.9 | 5.1 | 5.1 | 8.1 | 6.8 | 6.8 |
| Waco | 84.3 | 86.2 | 87.2 | 5.5 | 5.0 | 4.8 | 6.5 | 5.8 | 5.5 |
| Wichita Falls | 67.8 | 67.9 | 68.0 | 4.7 | 4.4 | 4.2 | 7.0 | 6.5 | 6.2 |
| UTAH | 674.2 | 671.0 | 669.0 | 51.4 | 63.0 | 58.0 | 7.6 | 9.4 | 8.7 |
| Salt Lake City—Ogden | 440.4 | 437.6 | 437.5 | 33.0 | 38.8 | 35.6 | 7.5 | 8.9 | 8.1 |
| VERMONT | 269.5 | 262.0 | 266.3 | 18.5 | 18.4 | 16.9 | 6.9 | 7.0 | 6.3 |
| Burlington | 69.8 | 67.5 | 68.7 | 3.5 | 3.6 | 3.2 | 5.0 | 5.3 | 4.6 |
| VIRGINIA | 2,693.2 | 2,774.5 | 2,767.6 | 210.4 | 160.1 | 158.1 | 7.8 | 5.8 | 5.7 |
| Lynchburg | 77.7 | 76.9 | 77.3 | 6.8 | 4.6 | 4.8 | 8.7 | 5.9 | 6.2 |
| Newport News—Hampton | 173.3 | 183.2 | 183.4 | 11.0 | 8.6 | 7.9 | 6.4 | 4.7 | 4.3 |
| Norfolk—Virginia Beach—Portsmouth | 346.9 | 363.2 | 364.3 | 24.7 | 20.4 | 19.4 | 7.1 | 5.6 | 5.3 |
| Petersburg—Colonial Heights—Hopewell | 58.5 | 60.8 | 58.9 | 5.5 | 5.3 | 5.0 | 9.4 | 8.7 | 8.4 |
| Richmond | 342.5 | 352.9 | 350.9 | 21.3 | 16.2 | 15.5 | 6.2 | 4.6 | 4.4 |
| Roanoke | 115.0 | 119.0 | 120.8 | 9.7 | 6.9 | 8.0 | 8.4 | 5.8 | 6.7 |
| WASHINGTON | 2,026.1 | 2,062.4 | 2,029.1 | 243.9 | 220.8 | 213.1 | 12.0 | 10.7 | 10.5 |
| WEST VIRGINIA | 778.9 | 752.3 | 768.0 | 109.9 | 131.9 | 133.5 | 14.1 | 17.5 | 17.4 |
| Charleston | 123.8 | 117.4 | 119.8 | 12.3 | 15.6 | 15.1 | 9.9 | 13.3 | 12.6 |
| Huntington—Ashland ¹ | 126.6 | N.A. | N.A. | 19.4 | N.A. | N.A. | 15.3 | N.A. | N.A. |
| Parkersburg—Marietta ¹ | 75.6 | 73.6 | 74.7 | 10.0 | 11.2 | 10.7 | 13.2 | 15.2 | 14.3 |
| Wheeling ¹ | 85.1 | 81.6 | 82.0 | 11.4 | 14.2 | 12.5 | 13.4 | 17.4 | 15.3 |
| WISCONSIN | 2,480.9 | 2,443.4 | 2,436.1 | 258.2 | 236.2 | 228.2 | 10.4 | 9.7 | 9.4 |
| Appleton—Oshkosh | 153.6 | 153.5 | 152.6 | 15.2 | 14.0 | 14.2 | 9.9 | 9.1 | 9.3 |
| Eau Claire | 60.1 | 60.4 | 60.3 | 5.5 | 5.5 | 5.1 | 9.1 | 9.1 | 8.5 |
| Green Bay | 95.1 | 95.7 | 95.0 | 8.8 | 8.7 | 8.0 | 9.3 | 9.1 | 8.4 |
| Janesville—Beloit | 74.6 | 73.5 | 72.6 | 10.4 | 8.4 | 7.7 | 14.0 | 11.4 | 10.6 |
| Kenosha | 60.4 | 60.9 | 60.9 | 5.4 | 6.0 | 5.5 | 9.0 | 9.9 | 9.0 |
| La Crosse | 50.2 | 51.7 | 51.2 | 4.3 | 4.1 | 4.0 | 8.6 | 8.0 | 7.8 |
| Madison | 191.5 | 191.8 | 193.8 | 12.5 | 12.4 | 12.4 | 6.5 | 6.4 | 6.4 |
| Milwaukee | 742.5 | 723.7 | 715.2 | 79.2 | 73.0 | 70.8 | 10.7 | 10.1 | 9.9 |
| Racine | 87.5 | 83.9 | 83.9 | 12.2 | 10.3 | 10.1 | 13.9 | 12.2 | 12.1 |
| WYOMING | 258.0 | 277.6 | 268.1 | 15.3 | 26.5 | 23.4 | 5.9 | 9.6 | 8.7 |

¹ Includes interstate portion of area located in adjacent State.

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1982 have been benchmarked to 1982 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1983 are provisional and will be revised when new benchmark information

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 Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

Explanatory Notes

Introduction

The statistics in this periodical are compiled 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 60,000 households, representing 629 areas in 1,148 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 compiled 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 earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 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.

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 detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definitions 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, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian employment in both agricultural and nonagricultural industries 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 civilians 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 disputes, 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.

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.

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the workers' sole or primary job. Data from the establishment survey generally refer to mean earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

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, 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, and 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 \$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*.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service 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 Census from its censuses or annual sample survey 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. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

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

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 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 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 the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 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 60,000 occupied units, there are 11,000 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.

CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own 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 disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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 who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new 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.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The 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. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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 those 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 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 labor pickup point.

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

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* 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, race, ethnic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate*, is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force 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. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

Not in the labor force includes all persons 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, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published 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 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, 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 job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. 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, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were 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; all the hours are credited to the major job.

The distribution of employment by hours worked relates 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-hours-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. 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 peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

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 that: (1) Unemployed persons looking for full-time work lost an average of 37.5 hours, (2) 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) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-4 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

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 of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

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. These statistics are published in table A-6 for 16- to 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. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

The *poverty areas* classification consists of all census geographic divisions in which 20 percent or more of the residents were poor according to the 1970 decennial census. Persons were classified as poor or not 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.

Usual weekly earnings data are provided from responses to the question "How much does...USUAL-LY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers and the incorporated self-employed, who usually work full time on their sole or primary job.

Single, never married; married, spouse present; and other marital status are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even

though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.

Family refers to a group of two or more persons residing together who are related by blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a subfamily, that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The count of families used in this publication includes primary families only, that is, all persons in the household who are related to the householder. Excluded are secondary families which include lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

HISTORICAL COMPARABILITY

Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 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 increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by 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. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, 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.

In addition, 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 estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. 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 in 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 men and 46,000 women. 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 January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication 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 by the interviewer as before. The purpose of this change was 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. The new procedure had no significant effect on the estimates.

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan area estimates, not for the total United States. 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*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for

results obtained from the 1980 census. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

Changes in the occupational and industrial classification system.

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "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*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers". Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

The industrial classification used in the 1980 census is based on the 1972 Standard Industrial Classification system (SIC), as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational

system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*.

Changes in the 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, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added 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 noncontiguous 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 into the 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 units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463 Bureau of Labor Statistics.

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. The 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 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

Table A. Characteristics of the CPS sample, 1947 to date

| Time period | Number of sample areas | Households eligible | | Households visited but not eligible |
|------------------------------|------------------------|---------------------|-----------------|-------------------------------------|
| | | 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 | ¹ 330 | 33,500 | 1,500 | 6,000 |
| Jan. 1960 to Feb. 1963 | ² 333 | 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 Apr. 1981 | 629 | 62,200 | 2,600 | 12,000 |
| May 1981 to present | 629 | 57,800 | 2,500 | 11,000 |

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

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

respondents 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 black and other) within three residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, 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 survey 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 second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 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 race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current

estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in two 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 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 adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

The 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, 1980, 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, use Report 640 of that series. A description 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.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of

Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

J. 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. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. 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 error. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify 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 repre-

sent 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 varies by rotation group. A description of these effects appears in the "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. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, and larger for black, and other races combined 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 used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in "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 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 error, 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 enable 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 volume 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. Second, 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 error of an estimate rather than the precise standard error.

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

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H 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 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the 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 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates

Table B. Standard errors for major employment status categories

(In thousands)

| Employment status, sex, age, and race | Standard error of— | |
|---------------------------------------|--------------------|---|
| | Monthly level | Month-to-month change (consecutive months only) |
| Total, 16 years and over: | | |
| Civilian labor force | 255 | 195 |
| Employed | 277 | 209 |
| Unemployed | 155 | 148 |
| Men, 20 years and over: | | |
| Civilian labor force | 151 | 130 |
| Employed | 170 | 150 |
| Unemployed | 112 | 105 |
| Women, 20 years and over: | | |
| Civilian labor force | 177 | 128 |
| Employed | 179 | 135 |
| Unemployed | 93 | 92 |
| Both sexes, 16 to 19 years: | | |
| Civilian labor force | 81 | 86 |
| Employed | 86 | 97 |
| Unemployed | 67 | 71 |
| Black, 16 years and over: | | |
| Civilian labor force | 61 | 49 |
| Employed | 67 | 66 |
| Unemployed | 75 | 75 |
| Men, 20 years and over: | | |
| Civilian labor force | 23 | 17 |
| Employed | 49 | 43 |
| Unemployed | 53 | 56 |
| Women, 20 years and over: | | |
| Civilian labor force | 60 | 38 |
| Employed | 63 | 46 |
| Unemployed | 48 | 51 |
| Both sexes, 16 to 19 years: | | |
| Civilian labor force | 33 | 36 |
| Employed | 30 | 35 |
| Unemployed | 34 | 34 |

Table C. Standard errors for unemployment rates by major characteristics

| Characteristic | Standard error of— | | Characteristic | Standard error of— | |
|--|--------------------|--------------------------|--|--------------------|--------------------------|
| | Monthly level | Consecutive month change | | Monthly level | Consecutive month change |
| Total (all civilian workers) | 0.14 | 0.13 | | | |
| Men, 20 years and over | .19 | .18 | | | |
| Women, 20 years and over | .21 | .21 | | | |
| Both sexes, 16 to 19 years | .75 | .80 | | | |
| White workers | .15 | .14 | | | |
| Black workers | .57 | .52 | | | |
| Married men, spouse present | .19 | .17 | | | |
| Married women, spouse present | .22 | .21 | | | |
| Full-time workers | .15 | .15 | | | |
| Part-time workers | .37 | .46 | | | |
| Unemployed 15 weeks and over | .09 | .08 | | | |
| OCCUPATION | | | OCCUPATION—Continued | | |
| Executive, administrative, and managerial .. | .28 | .27 | Machine operators, assemblers and inspectors | 0.61 | 0.60 |
| Professional specialty | .23 | .22 | Transportation and material moving | .74 | .72 |
| Technicians and related support | .56 | .58 | Handlers, equipment cleaners helpers, and laborers | .60 | .78 |
| Sales | .33 | .33 | Farming, forestry, and fishing | .72 | .67 |
| Administrative support, including clerical | .29 | .29 | | | |
| Private household | 1.10 | 1.02 | INDUSTRY | | |
| Protective service | .89 | .93 | Nonagricultural private wage and salary workers | .16 | .16 |
| Service, except private household and protective | .44 | .43 | Mining | 1.67 | 1.69 |
| Precision production, craft, and repair | .41 | .40 | Construction | .81 | .81 |
| | | | Manufacturing | .35 | .34 |
| | | | Durable goods | .48 | .47 |
| | | | Non-durable goods | .49 | .49 |
| | | | Transportation, communications, and public utilities | .52 | .51 |
| | | | Wholesale and retail trade | .31 | .31 |
| | | | Finance and services | .24 | .24 |
| | | | Government workers | .25 | .25 |
| | | | Agricultural wage and salary workers | 1.32 | 1.22 |

of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables D and E 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 in a given month 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 D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. 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 the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

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 upon 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, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G 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 H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are indifferent categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I 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 J 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 J to obtain the approximate standard error for the average or change.

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume 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 tables F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point. The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to

CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

$$\text{Standard error of year-to-year change} = \sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

Where x is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P , is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

Illustration. Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000, year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)}$$

or about 259,000.

Table D. Standard errors for estimates of monthly level

(In thousands)

| Estimated monthly level | Characteristic ¹ | | | | | | | | |
|-------------------------|-----------------------------|---|-------|--------------------------------|-----------------------|--|-------------------------------|----------------|-------|
| | Agricultural employment | Labor force data other than unemployment and agricultural employment data | | | | | | Unemployment | |
| | | Total or white | Black | Total or white, 16 to 19 years | Black, 16 to 19 years | Total or white men only, or women only | Black men only, or women only | Total or white | Black |
| 50 | 14 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 11 |
| 100 | 19 | 15 | 15 | 15 | 15 | 14 | 14 | 15 | 16 |
| 500 | 43 | 34 | 34 | 33 | 29 | 32 | 31 | 33 | 35 |
| 1,000 | 81 | 48 | 47 | 46 | 33 | 45 | 42 | 47 | 49 |
| 2,000 | 85 | 68 | 64 | 63 | - | 63 | 55 | 66 | 67 |
| 4,000 | 120 | 95 | 84 | 80 | - | 87 | 66 | 93 | 68 |
| 6,000 | 146 | 116 | 94 | 86 | - | 105 | 58 | 113 | 99 |
| 8,000 | - | 133 | 97 | 63 | - | 120 | 23 | 129 | - |
| 10,000 | - | 147 | 94 | 70 | - | 132 | - | 143 | - |
| 15,000 | - | 177 | 50 | - | - | 155 | - | 172 | - |
| 20,000 | - | 201 | - | - | - | 170 | - | 195 | - |
| 30,000 | - | 236 | - | - | - | 188 | - | - | - |
| 40,000 | - | 261 | - | - | - | 189 | - | - | - |
| 50,000 | - | 278 | - | - | - | 175 | - | - | - |
| 60,000 | - | 288 | - | - | - | 141 | - | - | - |
| 70,000 | - | 293 | - | - | - | 61 | - | - | - |
| 80,000 | - | 293 | - | - | - | - | - | - | - |
| 100,000 | - | 273 | - | - | - | - | - | - | - |
| 120,000 | - | 231 | - | - | - | - | - | - | - |

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or 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 E. Standard errors for estimates of month-to-month change

(In thousands)

| Estimated monthly level | Characteristic ¹ | | | | | | | |
|-------------------------|---|-------|--------------------------------|-----------------------|----------------|--|-------|-----------------------|
| | Labor force data other than unemployment and agricultural employment data | | | | Unemployment | | | |
| | Total or white | Black | Total or white, 16 to 19 years | Black, 16 to 19 years | Total or white | Both sexes 16 to 19 years, or part-time labor force ² | Black | Black, 16 to 19 years |
| 50 | 8 | 8 | 13 | 13 | 12 | 13 | 12 | 12 |
| 100 | 11 | 11 | 18 | 18 | 16 | 18 | 17 | 16 |
| 500 | 25 | 25 | 39 | 34 | 37 | 40 | 38 | 35 |
| 1,000 | 38 | 35 | 54 | 38 | 51 | 54 | 52 | 37 |
| 2,000 | 50 | 47 | 72 | - | 72 | 70 | 69 | - |
| 4,000 | 70 | 62 | 88 | - | 99 | 78 | 85 | - |
| 6,000 | 88 | 70 | 88 | - | 118 | 80 | 87 | - |
| 8,000 | 98 | 73 | 71 | - | 132 | - | - | - |
| 10,000 | 109 | 71 | - | - | 143 | - | - | - |
| 15,000 | 131 | 42 | - | - | 160 | - | - | - |
| 20,000 | 148 | - | - | - | 185 | - | - | - |
| 30,000 | 174 | - | - | - | - | - | - | - |
| 40,000 | 191 | - | - | - | - | - | - | - |
| 50,000 | 203 | - | - | - | - | - | - | - |
| 60,000 | 210 | - | - | - | - | - | - | - |
| 70,000 | 212 | - | - | - | - | - | - | - |
| 80,000 | 211 | - | - | - | - | - | - | - |
| 100,000 | 193 | - | - | - | - | - | - | - |
| 120,000 | 153 | - | - | - | - | - | - | - |

¹ See footnote 1, table D.

² 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 F. Standard errors for unemployment rates

| Monthly base of unemployment rate (In thousands) | Monthly unemployment rate (percent) | | | | | | | | | |
|--|-------------------------------------|------|------|------|------|------|------|------|------|-------|
| | 1 | 2 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 50 |
| 50 | 2.09 | 2.94 | 4.57 | 6.28 | 7.48 | 8.34 | 9.01 | 9.05 | 9.87 | 10.21 |
| 100 | 1.48 | 2.08 | 3.23 | 4.44 | 5.28 | 5.90 | 6.37 | 6.73 | 6.96 | 7.22 |
| 500 | .66 | .93 | 1.45 | 1.99 | 2.36 | 2.64 | 2.65 | 3.01 | 3.12 | 3.27 |
| 1,000 | .47 | .66 | 1.02 | 1.40 | 1.67 | 1.87 | 2.01 | 2.13 | 2.21 | 2.26 |
| 2,000 | .33 | .46 | .72 | .99 | 1.16 | 1.32 | 1.42 | 1.50 | 1.56 | 1.61 |
| 4,000 | .23 | .33 | .51 | .70 | .83 | .93 | 1.01 | 1.06 | 1.10 | 1.14 |
| 6,000 | .19 | .27 | .42 | .57 | .68 | .76 | .82 | .87 | .90 | .93 |
| 10,000 | .15 | .21 | .32 | .44 | .53 | .59 | .64 | .67 | .70 | .72 |
| 20,000 | .10 | .15 | .23 | .31 | .37 | .42 | .45 | .47 | .49 | .51 |
| 60,000 | .06 | .08 | .13 | .16 | .21 | .24 | .26 | .27 | .27 | .29 |
| 100,000 | .05 | .07 | .10 | .14 | .17 | .19 | .20 | .21 | .22 | .22 |

Table G. Standard errors for month-to-month change in unemployment rates

| Monthly base of unemployment rate (In thousands) | Monthly unemployment rate (percent) | | | | | | | | | |
|--|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|
| | 1 | 2 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 50 |
| 50 | 2.32 | 3.26 | 5.14 | 7.18 | 8.69 | 9.90 | 10.93 | 11.81 | 12.58 | 14.48 |
| 100 | 1.64 | 2.32 | 3.64 | 5.08 | 6.14 | 7.00 | 7.12 | 8.35 | 8.89 | 10.17 |
| 500 | .73 | 1.04 | 1.63 | 2.27 | 2.74 | 3.13 | 3.45 | 3.73 | 3.97 | 4.53 |
| 1,000 | .52 | .73 | 1.15 | 1.60 | 1.94 | 2.21 | 2.44 | 2.63 | 2.80 | 3.19 |
| 2,000 | .37 | .52 | .81 | 1.13 | 1.37 | 1.56 | 1.72 | 1.85 | 1.97 | 2.24 |
| 4,000 | .26 | .37 | .57 | .80 | .96 | 1.10 | 1.20 | 1.30 | 1.38 | 1.56 |
| 6,000 | .21 | .30 | .47 | .65 | .78 | .89 | .98 | 1.05 | 1.11 | - |
| 10,000 | .16 | .23 | .36 | .50 | .60 | .68 | .75 | .80 | - | - |
| 20,000 | .12 | .16 | .25 | .35 | .42 | .47 | .51 | .54 | - | - |
| 60,000 | .07 | .09 | .14 | .19 | .22 | .23 | .24 | - | - | - |
| 100,000 | .05 | .07 | .11 | .14 | .15 | .15 | - | - | - | - |

Table H. Standard errors for 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 | 2.14 | 3.01 | 4.69 | 6.46 | 7.68 | 8.61 | 9.32 | 9.86 | 10.27 | 10.76 |
| 100 | 1.51 | 2.13 | 3.32 | 4.57 | 5.43 | 6.09 | 6.59 | 6.97 | 7.26 | 7.61 |
| 500 | .66 | .95 | 1.46 | 2.04 | 2.43 | 2.72 | 2.95 | 3.12 | 3.25 | 3.40 |
| 1,000 | .48 | .67 | 1.05 | 1.44 | 1.72 | 1.92 | 2.08 | 2.21 | 2.30 | 2.41 |
| 2,000 | .34 | .48 | .74 | 1.02 | 1.22 | 1.36 | 1.47 | 1.56 | 1.62 | 1.70 |
| 4,000 | .24 | .34 | .52 | .72 | .86 | .96 | 1.04 | 1.10 | 1.15 | 1.20 |
| 6,000 | .20 | .28 | .43 | .59 | .70 | .79 | .85 | .90 | .94 | .98 |
| 10,000 | .15 | .21 | .33 | .46 | .54 | .61 | .66 | .70 | .73 | .76 |
| 20,000 | .11 | .15 | .23 | .32 | .38 | .43 | .47 | .49 | .51 | .54 |
| 40,000 | .08 | .11 | .17 | .23 | .27 | .30 | .33 | .35 | .36 | .36 |
| 60,000 | .06 | .09 | .14 | .19 | .22 | .25 | .27 | .28 | .30 | .31 |
| 80,000 | .05 | .08 | .12 | .16 | .19 | .22 | .23 | .25 | .26 | .27 |
| 100,000 | .05 | .07 | .10 | .14 | .17 | .19 | .21 | .22 | .23 | .24 |
| 180,000 | .04 | .05 | .08 | .11 | .13 | .15 | .16 | .17 | .18 | .19 |

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

Table I. Factors to be used with Table H to compute approximate standard errors for percentages and month-to-month change in percentages

| Characteristic | Factor | | 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 and unemployment data: | | | Total or white: | | |
| Total | 1.00 | .74 | Total | .97 | 1.08 |
| Men only | .93 | .64 | Both sexes, 16 to 19 years | .97 | 1.21 |
| Women only | .86 | .75 | Black: | | |
| Both sexes, 16 to 19 years | 1.00 | 1.16 | Total | 1.04 | 1.13 |
| Part-time labor force | 1.00 | 1.18 | Both sexes, 16 to 19 years | 1.04 | 1.24 |

Table J. Factors to be used with Tables, D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages,

| Characteristic | Factor | | | | |
|--|---|--------------------|------------------------------|-----------------|---------------------------|
| | Year-to-year change of monthly estimate | Quarterly averages | Change in quarterly averages | Yearly averages | Change in yearly averages |
| Agricultural employment: | | | | | |
| Total or men | 1.30 | 0.89 | 0.80 | 0.72 | 0.70 |
| Women or teenagers (16 to 19 years) | 1.30 | .83 | .60 | .58 | .70 |
| Part time | 1.40 | .74 | .80 | .46 | .70 |
| Labor force data other than agricultural employment and unemployment data: | | | | | |
| Total or white | 1.30 | .86 | .88 | .67 | .70 |
| Black or teenagers (16 to 19 years) | 1.30 | .82 | .88 | .57 | .70 |
| Part time | 1.40 | .74 | .88 | .46 | .60 |
| Unemployment: | | | | | |
| Total | 1.40 | .76 | .88 | .50 | .65 |
| Part time | 1.40 | .69 | .88 | .39 | .54 |

Table K. Standard errors for estimates of quarterly level, to be used with CPS earnings data

(In thousands)

| Estimated quarterly level | Characteristic | | | | | | | | |
|---------------------------|-------------------|----------------------------|-------|-------------------|----------------------------|-------|-------|--|-------|
| | Total | | | Men | | | | Women | |
| | Part-time workers | Total or full-time workers | | Part-time workers | Total or full-time workers | | | Total, full-time, or part-time workers | |
| | | Total or white | Black | | Total | White | Black | Total or white | Black |
| 10 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 50 | 11 | 12 | 12 | 11 | 12 | 12 | 12 | 11 | 11 |
| 75 | 13 | 15 | 15 | 13 | 15 | 15 | 15 | 13 | 13 |
| 100 | 15 | 17 | 17 | 15 | 17 | 17 | 17 | 15 | 15 |
| 150 | 19 | 21 | 21 | 19 | 21 | 21 | 21 | 19 | 19 |
| 200 | 22 | 24 | 24 | 22 | 24 | 24 | 24 | 22 | 21 |
| 250 | 24 | 27 | 27 | 24 | 27 | 27 | 27 | 24 | 24 |
| 300 | 26 | 30 | 30 | 26 | 30 | 30 | 29 | 26 | 26 |
| 500 | 34 | 38 | 38 | 34 | 38 | 38 | 37 | 34 | 33 |
| 750 | 42 | 47 | 46 | 42 | 47 | 47 | 45 | 42 | 41 |
| 1,000 | 48 | 54 | 53 | 48 | 54 | 54 | 50 | 48 | 46 |
| 1,500 | 59 | 66 | 63 | 59 | 66 | 66 | 59 | 59 | 58 |
| 2,000 | 68 | 76 | 72 | 68 | 76 | 76 | 65 | 68 | 63 |
| 2,500 | 76 | 85 | 79 | 75 | 84 | 84 | 69 | 75 | 69 |
| 3,000 | 83 | 93 | 85 | 82 | 92 | 92 | 71 | 82 | 74 |
| 5,000 | 107 | 119 | 100 | 105 | 117 | 116 | 64 | 105 | 85 |
| 7,500 | 130 | 145 | 107 | 127 | 140 | 138 | - | 127 | - |
| 10,000 | 149 | 165 | 102 | 144 | 157 | 155 | - | 145 | - |
| 15,000 | 180 | 198 | - | 187 | 183 | 179 | - | 173 | - |
| 20,000 | 205 | 224 | - | 192 | 199 | 193 | - | 195 | - |
| 25,000 | 226 | 244 | - | 207 | 209 | 199 | - | 211 | - |
| 30,000 | 224 | 261 | - | 219 | 212 | 198 | - | 224 | - |
| 40,000 | 273 | 286 | - | 236 | 201 | 174 | - | 242 | - |
| 50,000 | 296 | 301 | - | - | - | - | - | - | - |
| 75,000 | 331 | 304 | - | - | - | - | - | - | - |
| 100,000 | 343 | 255 | - | - | - | - | - | - | - |

Establishment Data (B and C tables)

COLLECTION

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

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings 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

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. 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 assures maximum 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.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 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, and earnings for the Nation and for 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 sector.

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, on 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, 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.

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, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operation.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices,

helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working 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 nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

Overtime hours covers 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 are 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 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 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.

“Real” earnings, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

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 eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustments 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 1977. For basic industries, the hour 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 level 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 employ-

ment over the specified time span. The indexes are calculated from 186 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*.

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 L.

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 L, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

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 1982 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

Table L. Summary of methods for computing industry statistics on employment, hours, and earnings

| Item | Basic estimating cell (industry, region, size, or region/size cell) | Aggregate industry levels (divisions, groups and, where stratified, individual cells) |
|--|--|---|
| Monthly data | | |
| All employees | All-employee 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. ¹ | 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. ² | 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. ² | 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. ² | 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. ² | 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. |
| Annual average data | | |
| 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 |
| 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 by 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. |

¹ 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.

² 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 compensate 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.

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 1982 benchmark adjustment is shown in table M.

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 establishment." 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,

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1982

| Industry division | Benchmark, March 1982 | Estimate, March 1982 | Percent difference |
|---|-----------------------|----------------------|--------------------|
| Total | 89,566,000 | 89,679,000 | 0.1 |
| Mining | 1,205,000 | 1,178,000 | 2.2 |
| Construction | 3,638,000 | 3,631,000 | .2 |
| Manufacturing | 19,213,000 | 19,207,000 | (¹) |
| Transportation and public utilities | 5,070,000 | 5,049,000 | .4 |
| Wholesale and retail trade | 20,062,000 | 20,306,000 | -1.2 |
| Finance, insurance, and real estate | 5,294,000 | 5,304,000 | -.2 |
| Services | 18,888,000 | 18,828,000 | .3 |
| Government | 16,196,000 | 16,176,000 | .1 |

¹ Less than 0.05 percent.

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 statistics program, with its 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 N 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.

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1982¹

| Industry division | Number of establishments in sample | Employees | |
|---|------------------------------------|-----------------|------------------|
| | | Number reported | Percent of total |
| Total | 189,000 | 36,371,200 | 41 |
| Mining | 2,600 | 434,500 | 36 |
| Construction | 18,800 | 721,800 | 20 |
| Manufacturing | 47,700 | 10,612,300 | 55 |
| Transportation and public utilities: | | | |
| Railroad transportation (ICC) | 37 | 401,800 | 92 |
| Other transportation and public utilities | 8,500 | 2,840,800 | 61 |
| Wholesale and retail trade | 45,900 | 3,511,300 | 18 |
| Finance, insurance, and real estate | 13,100 | 1,967,100 | 37 |
| Services | 31,600 | 4,150,600 | 22 |
| Government: | | | |
| Federal ² | 5,000 | 2,725,000 | 100 |
| State and local | 16,000 | 9,006,000 | 67 |

¹ 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.

² 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 5,000 reports covering about 63 percent of employment in Federal establishments.

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 O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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 O and for individual industries with the specified number of employees in table P. 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-

Table O. Average benchmark 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 ¹ | Relative errors ² | |
|---|--|------------------------------|-------------------------|
| | | Average weekly hours | Average hourly earnings |
| Total nonagricultural employment | 0.4 | - | - |
| Total private | .4 | 0.1 | 0.2 |
| Mining | 1.4 | 1.0 | 1.3 |
| Construction | 1.9 | .2 | .5 |
| Manufacturing | .3 | .1 | .2 |
| Durable goods | .3 | .1 | .3 |
| Nondurable goods | .4 | .1 | .2 |
| Transportation and public utilities | .4 | .7 | .6 |
| Trade | .8 | .1 | .3 |
| Wholesale | .4 | .2 | .4 |
| Retail | 1.0 | .2 | .4 |
| Finance, insurance, and real estate | .4 | .2 | .4 |
| Services | .6 | .4 | .6 |
| Government ² | .5 | - | - |

¹ The average percent revision in employment for the following benchmarks: 1978, 1979, 1980, 1981, and 1982.

² Relative errors relate to 1982 data.

³ 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.

square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

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

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 P.

Table P. 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 ¹ | Relative errors ² (in percent) | |
|-----------------------------|---|---|-------------------------|
| | | Average weekly hours | Average hourly earnings |
| 50,000 | 2,100 | 2.2 | 4.0 |
| 100,000 | 3,900 | 1.3 | 2.3 |
| 200,000 | 5,600 | 1.1 | 2.0 |
| 500,000 | 14,000 | .9 | 1.6 |
| 1,000,000 | 15,000 | .8 | 1.2 |
| 2,000,000 | 26,000 | .5 | .9 |

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 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 Q 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, and earnings 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

Table Q. Errors of preliminary employment estimates

| Category | Root-mean-square error of— | |
|---|----------------------------|-----------------------|
| | Monthly level | Month-to-month change |
| INDUSTRY DIVISIONS | | |
| Total nonagricultural employment | 101,000 | 88,000 |
| Goods producing | 42,000 | 36,000 |
| Mining | 5,000 | 5,000 |
| Construction | 22,000 | 18,000 |
| Manufacturing | 33,000 | 29,000 |
| Durable two-digit industries | 6,300 | 5,900 |
| Nondurable two-digit industries | 4,500 | 4,500 |
| Service-producing | 77,000 | 72,000 |
| Transportation and public utilities | 14,000 | 15,000 |
| Wholesale and retail trade | 31,000 | 28,000 |
| Finance, insurance, and real estate | 8,000 | 7,000 |
| Services | 30,000 | 24,000 |
| Government | 61,000 | 53,000 |

NOTE: Division level data are based on differences from January 1977 through December 1982. Two-digit industry data are based on differences from January 1982 through December 1982.

each cooperating State agency are presented in a summary volume published annual by the BLS.

PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 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 all persons measure changes in the volume of goods and services produced per paid hour of labor input.

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* includes 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 business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied hous-

ing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing 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 (D table)

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 of determining eligibility of an area for benefits under Federal programs such as the Job Training and Partnership 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 labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 239 labor market areas are prepared in several stages. Labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total employment estimate is based 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 several categories of employment 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, to which are added estimates for employment not covered by UI.

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 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 employment 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 person 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 noncovered 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 experienced unemployed; (c) the level of 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 of 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 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 the 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 and the District of Columbia 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 the 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 third 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 CPS annual averages.

Seasonal Adjustment

Over the 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-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment

factors to take account of changing seasonal patterns. A detailed description of the method is given in *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, 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, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which 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 calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a

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 are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All 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 (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broad range of labor force series appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from 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 1983. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

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 average 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 1977 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 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series

Prior to June 1983, seasonal factors for Federal Government employment were derived from unadjusted data which excluded Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers were substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal factors were based. In the past several years, the number of these workers have decreased to the point where their presence has no impact on seasonal adjustment. Beginning with the release of revised seasonal factors in June 1983, Christmas temporary Postal workers are not excluded from the calculation of seasonal factors for Federal Government employees. This change affects the seasonally adjusted Federal Government series from January 1978 forward. Temporary census takers for the 1980 decennial census will continue to be removed prior to the calculation of seasonal factors for Federal Government employment. The revised seasonally adjusted series for the establishment data reflect experience through March 1983. Seasonal factors to be used for current adjustment appear in the June 1983 issue of *Employment and Earnings*.

U.S. Department of Labor Bureau of Labor Statistics

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COOPERATING STATE AGENCIES

Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)

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| X ALASKA | -Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802 |
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| VIII COLORADO | -Division of Employment and Training, 1278 Lincoln Street, Denver 80203 |
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| III DELAWARE | -Department of Labor, University Plaza Office Complex, Bldg. D, Chapman Rd., Route 273, Newark 19713 |
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| X IDAHO | -Department of Employment, P.O. Box 35, Boise 83707 |
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| VII IOWA | -Department of Job Service, 1000 East Grand Avenue, Des Moines 50319 |
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