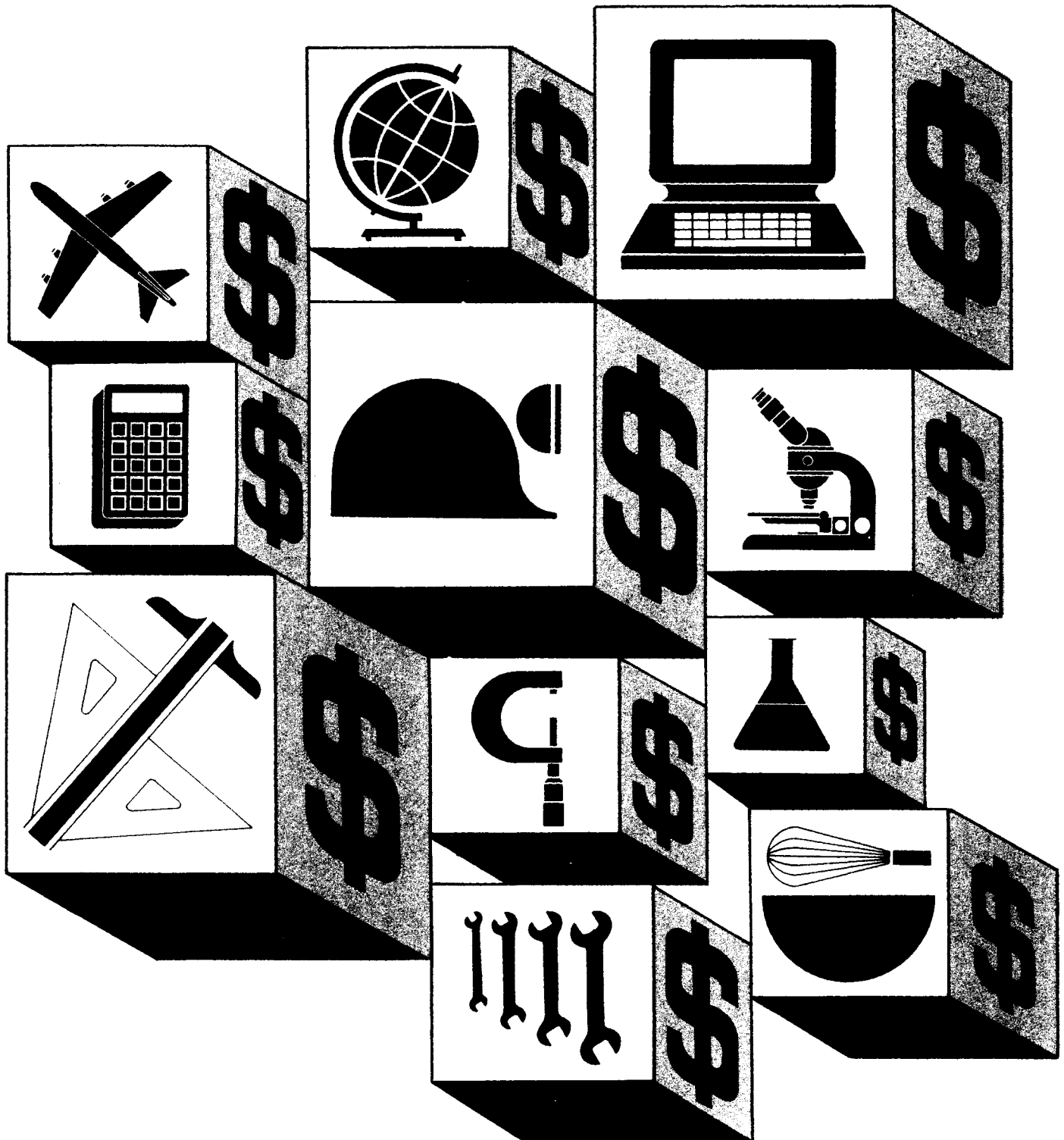




# EMPLOYMENT AND EARNINGS

U.S. Department of Labor  
Bureau of Labor Statistics  
January 1990

In this issue: 1989 annual averages  
Revised seasonally adjusted labor force series  
Data on union affiliation  
Median weekly earnings for detailed occupations





**U.S. DEPARTMENT OF LABOR**  
Elizabeth Dole, Secretary

**Calendar of Features**

**BUREAU OF LABOR STATISTICS**  
Janet L. Norwood, *Commissioner*

*Employment and Earnings* is prepared in the Office of Employment and Unemployment Statistics in collaboration with the Office of Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

*Employment and Earnings* may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Subscription price per year \$25 domestic and \$31.25 foreign. Single copy \$8.50 domestic and \$10.63 foreign. Annual supplement \$14 domestic and \$17.50 foreign. Prices are subject to change by the U.S. Government Printing Office.

Correspondence concerning subscriptions, including address changes and missing issues, should be sent to the Superintendent of Documents. Phone (202) 275-3054. Communications on material in this publication should be addressed to: Editors, *Employment and Earnings*, Bureau of Labor Statistics, Washington, DC 20212, or phone: Gloria P. Green (202) 523-1959.

Second class postage paid at Washington, DC, and at additional mailing addresses.

Material in this publication is in the public domain and, with appropriate credit, may be reproduced without permission.

ISSN 0013-6840

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

**Household data**

|                                    |            |
|------------------------------------|------------|
| Annual averages                    | Jan.       |
| Union affiliation                  | Jan.       |
| Earnings by detailed occupation    | 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, family relationship data, weekly earnings data, and metropolitan-nonmetropolitan and poverty-nonpoverty area data  
Jan., Apr., July, Oct.

**Establishment data**

|   |                         |
|---|-------------------------|
| National annual averages:   |                         |
| Industry divisions (preliminary)  | Jan.                    |
| Industry detail (final)   | Mar.                    |
| Women employees (final)   | Mar.                    |
| National data revised to reflect new benchmarks and new seasonal adjustment factors | June                    |
| Revised historical national data  | Supplement <sup>1</sup> |
| State and area annual averages  | May                     |
| Area definitions  | May                     |

**State and area labor force data**

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

<sup>1</sup> The latest supplement was published in August 1989.

# Employment and Earnings

Vol. 37 No. 1 January 1990

Editors: Gloria Peterson Green, Rosalie K. Epstein

## Editors' Note

With this issue, seasonally adjusted unemployment and other labor force series derived from the Current Population Survey (household survey) have been revised to reflect updated seasonal adjustment factors which incorporate the experience through December 1989. As a result, seasonally adjusted data for the past 5 years are subject to revision. Revised current data appear in tables A-1, 2, 3, and 32-53. Revised monthly data covering the 1985-89 revision period for over 400 series will appear in next month's issue.

The article beginning on page 9 of this issue discusses the effects of the revisions, describes the seasonal adjustment methodology, and gives the new seasonal adjustment factors to be used to calculate the major civilian labor force series for January-June 1990.

This issue also introduces as a regularly recurring special feature, annual data on median weekly earnings of full-time wage and salary workers by detailed occupation and sex. Data for 1988-89 appear in table 56.

## Contents

|   | <i>Page</i> |
|---|-------------|
| List of statistical tables .....                              | 2           |
| Employment and unemployment developments, December 1989 ..... | 7           |
| Revision of seasonally adjusted labor force series .....      | 9           |
| Statistical tables:   |             |
| <b>Historical—</b>  |             |
| Household data .....  | 14          |
| Establishment data:   |             |
| Employment .....  | 85          |
| Hours and earnings .....                                      | 121         |
| <b>Not seasonally adjusted—</b>                               |             |
| Household data .....  | 17          |
| Quarterly averages .....                                      | 61          |
| Establishment data:   |             |
| Employment:   |             |
| National .....  | 86          |
| State and area .....  | 103         |
| Hours and earnings:   |             |
| National .....  | 124         |
| State and area .....  | 146         |
| State and area labor force data .....                         | 154         |
| <b>Seasonally adjusted—</b>                                   |             |
| Household data .....  | 44          |
| Quarterly averages .....                                      | 51          |
| Establishment data:   |             |
| Employment .....  | 98          |
| Hours and earnings .....                                      | 143         |
| Productivity data .....                                       | 150         |
| <b>Annual averages</b> .....                                  | 160         |
| Explanatory notes .....                                       | 241         |

# MONTHLY HOUSEHOLD DATA

Page

## Employment Status

|       |   |    |
|-------|---|----|
| A- 1. | Employment status of the noninstitutional population 16 years and over, 1956 to date .....  | 14 |
| A- 2. | Employment status of the noninstitutional population 16 years and over by sex, 1979 to date .....   | 15 |
| A- 3. | Employment status of the civilian noninstitutional population 16 years and over, 1956 to date .....   | 16 |
| A- 4. | Employment status of the civilian noninstitutional population by age, sex, and race .....   | 17 |
| A- 5. | Employment status of the black-and-other civilian noninstitutional population by age and sex .....  | 20 |
| A- 6. | Employment status of the civilian noninstitutional population by race, sex, and age .....   | 21 |
| A- 7. | Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin ..... | 22 |
| A- 8. | Employment status of male Vietnam-era veterans and nonveterans by age .....   | 24 |
| A- 9. | Employed and unemployed full- and part-time workers by sex, age, and race .....   | 25 |
| A-10. | Employment status of persons in families by family relationship .....   | 26 |

## Characteristics of the Unemployed

|       |   |    |
|-------|---|----|
| A-11. | Unemployed persons by marital status, race, age, and sex .....                              | 27 |
| A-12. | Unemployed persons by occupation and sex .....  | 28 |
| A-13. | Unemployed persons by industry and sex .....  | 29 |
| A-14. | Unemployed persons by reason for unemployment, sex, and race .....                          | 30 |
| A-15. | Unemployed persons by reason for unemployment, sex, age, and duration of unemployment ..... | 31 |
| A-16. | Unemployed persons by duration of unemployment .....  | 31 |
| A-17. | Unemployed persons by sex, age, race, marital status, and duration of unemployment .....    | 32 |
| A-18. | Unemployed persons by occupation, industry, and duration of unemployment .....              | 33 |
| A-19. | Unemployed jobseekers by sex, age, race, and jobsearch methods used .....                   | 34 |
| A-20. | Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used .....     | 34 |

## Characteristics of the Employed

|       |  |    |
|-------|--|----|
| A-21. | Employed civilians in agriculture and nonagricultural industries by age and sex .....                                | 35 |
| A-22. | Employed civilians by occupation, sex, and age .....   | 36 |
| A-23. | Employed civilians by occupation, race, and sex .....  | 37 |
| A-24. | Employed civilians by age, sex, and class of worker .....  | 38 |
| A-25. | Employed civilians by industry and occupation .....  | 39 |
| A-26. | Employed civilians with a job but not at work by reason, sex, and pay status .....                                   | 39 |
| A-27. | Persons at work by hours of work and type of industry .....  | 40 |
| A-28. | Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status .....     | 40 |
| A-29. | Persons at work in nonagricultural industries by class of worker and full- or part-time status .....                 | 41 |
| A-30. | Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status ..... | 42 |
| A-31. | Persons at work in nonfarm occupations by sex and full- or part-time status .....                                    | 43 |

## Seasonally Adjusted Employment and Unemployment Data

|       |  |    |
|-------|--|----|
| A-32. | Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted ..... | 44 |
| A-33. | Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted .....  | 45 |
| A-34. | Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted .....                | 46 |
| A-35. | Employed civilians by selected social and economic categories, seasonally adjusted .....   | 47 |
| A-36. | Employed civilians by sex and age, seasonally adjusted .....   | 48 |
| A-37. | Unemployed persons by sex and age, seasonally adjusted .....   | 48 |
| A-38. | Unemployment rates by sex and age, seasonally adjusted .....   | 49 |
| A-39. | Selected unemployment indicators, seasonally adjusted .....  | 49 |
| A-40. | Unemployed persons by duration of unemployment, seasonally adjusted .....  | 50 |
| A-41. | Unemployed persons by reason for unemployment, seasonally adjusted .....   | 50 |

# QUARTERLY HOUSEHOLD DATA

Page

## Seasonally Adjusted Employment and Unemployment Data

|       |  |    |
|-------|--|----|
| A-42. | Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted ..... | 51 |
| A-43. | Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted .....  | 52 |
| A-44. | Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted .....                | 53 |
| A-45. | Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted .....  | 55 |
| A-46. | Employed civilians by selected social and economic categories, seasonally adjusted .....   | 56 |
| A-47. | Employed civilians by sex and age, seasonally adjusted .....   | 57 |
| A-48. | Unemployed persons by sex and age, seasonally adjusted .....   | 57 |
| A-49. | Unemployment rates by sex and age, seasonally adjusted .....   | 58 |
| A-50. | Selected unemployment indicators, seasonally adjusted .....  | 58 |
| A-51. | Unemployed persons by duration of unemployment, seasonally adjusted .....  | 59 |
| A-52. | Unemployed persons by reason for unemployment, seasonally adjusted .....   | 59 |

## Persons Not in the Labor Force

|       |   |    |
|-------|---|----|
| A-53. | Persons not in the labor force by reason, sex, and race, seasonally adjusted .....  | 60 |
| A-54. | Persons not in the labor force by reason, sex, and age .....  | 61 |
| A-55. | Persons not in the labor force by reason, race, Hispanic origin, age, and sex .....   | 62 |
| A-56. | Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin .....                                | 63 |
| A-57. | Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race ..... | 64 |

## Race and Hispanic-Origin Data

|       |  |    |
|-------|--|----|
| A-58. | Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin .....     | 65 |
| A-59. | Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age .....                 | 66 |
| A-60. | Employed civilians by selected social and economic categories, race, and Hispanic origin .....                 | 67 |
| A-61. | Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories ..... | 68 |
| A-62. | Employed civilians by sex, age, race, and Hispanic origin .....  | 69 |
| A-63. | Unemployment rates by sex, age, race, and Hispanic origin .....  | 69 |
| A-64. | Unemployed persons by duration of unemployment, race, and Hispanic origin .....                                | 70 |
| A-65. | Unemployed persons by reason for unemployment, race, and Hispanic origin .....                                 | 70 |

## Vietnam-era Veterans and Nonveterans Data

|       |  |    |
|-------|--|----|
| A-66. | Employment status of male Vietnam-era veterans and nonveterans by age .....                            | 71 |
| A-67. | Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin ..... | 71 |

## Family Relationship and Weekly Earnings Data

|       |  |    |
|-------|--|----|
| A-68. | Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members ..... | 72 |
| A-69. | Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members .....  | 73 |
| A-70. | Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members .....  | 74 |
| A-71. | Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin .....         | 75 |
| A-72. | Families with unemployed members and wage and salary workers by type of family and median weekly earnings .....  | 77 |
| A-73. | Median weekly earnings of full-time wage and salary workers by selected characteristics .....                    | 79 |
| A-74. | Median weekly earnings of part-time wage and salary workers by selected characteristics .....                    | 80 |
| A-75. | Median weekly earnings of full-time wage and salary workers by occupation and sex .....                          | 81 |

## Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

|       |   |    |
|-------|---|----|
| A-76. | Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin ..... | 82 |
| A-77. | Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin .....                                     | 84 |

# MONTHLY ESTABLISHMENT DATA

Page

## Employment-National

|       |  |     |
|-------|--|-----|
| B- 1. | Employees on nonagricultural payrolls by major industry, 1938 to date .....  | 85  |
| B- 2. | Employees on nonagricultural payrolls by detailed industry .....   | 86  |
| B- 3. | Women employees on nonagricultural payrolls by major industry and manufacturing group .....  | 97  |
| B- 4. | Employees on nonagricultural payrolls by major industry and manufacturing group,<br>seasonally adjusted .....                                    | 98  |
| B- 5. | Women employees on nonagricultural payrolls by major industry and manufacturing group,<br>seasonally adjusted .....                              | 99  |
| B- 6. | Production or nonsupervisory workers on private nonagricultural payrolls by major industry and<br>manufacturing group, seasonally adjusted ..... | 100 |
| B- 7. | Diffusion indexes of employment change, seasonally adjusted .....  | 101 |

## Employment-States and Areas

|       |  |     |
|-------|--|-----|
| B- 8. | Employees on nonagricultural payrolls in States and selected areas by major industry ..... | 103 |
|-------|--|-----|

## Hours and Earnings-National

|        |   |     |
|--------|---|-----|
| C- 1.  | Average hours and earnings of production or nonsupervisory workers on private nonagricultural<br>payrolls by major industry, 1964 to date .....                                       | 121 |
| C- 2.  | Average hours and earnings of production or nonsupervisory workers on private nonagricultural<br>payrolls by detailed industry .....  | 124 |
| C- 2a. | Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles<br>(SIC 3761) manufacturing .....   | 140 |
| C- 3.  | Average hourly earnings, excluding overtime, of production workers on manufacturing payrolls .....  | 141 |
| C- 4.  | Average hourly and weekly earnings of production or nonsupervisory workers on private<br>nonagricultural payrolls by major industry, in current and constant (1977) dollars .....     | 142 |
| C- 5.  | Average weekly hours of production or nonsupervisory workers on private nonagricultural<br>payrolls by major industry and manufacturing group, seasonally adjusted .....              | 143 |
| C- 6.  | Indexes of aggregate weekly hours of production or nonsupervisory workers on private<br>nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted ..... | 144 |
| C- 7.  | Average hourly and weekly earnings of production or nonsupervisory workers on private<br>nonagricultural payrolls, seasonally adjusted .....  | 145 |

## Hours and Earnings-States and Areas

|       |  |     |
|-------|--|-----|
| C- 8. | Average hours and earnings of production workers on manufacturing payrolls in States and<br>selected areas ..... | 146 |
|-------|--|-----|

# PRODUCTIVITY DATA

|       |   |     |
|-------|---|-----|
| C- 9. | Hours of wage and salary workers in nonagricultural establishments by major industry,<br>seasonally adjusted .....  | 150 |
| C-10. | Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted .....   | 151 |
| C-11. | Percent changes from the preceding quarter and year in productivity, hourly compensation,<br>unit costs, and prices, seasonally adjusted annual rates ..... | 152 |

# MONTHLY STATE AND AREA LABOR FORCE DATA

|       |   |     |
|-------|---|-----|
| D- 1. | Labor force status by State and selected metropolitan areas ..... | 154 |
|-------|---|-----|

# ANNUAL AVERAGES—HOUSEHOLD DATA

Page

## Employment Status

|    |   |     |
|----|---|-----|
| 1. | Employment status of the civilian noninstitutional population, 1929 to date .....   | 160 |
| 2. | Employment status of the civilian noninstitutional population 16 years and over by sex, 1956 to date.....   | 161 |
| 3. | Employment status of the civilian noninstitutional population by age, sex, and race .....   | 162 |
| 4. | Employment status of the black-and-other civilian noninstitutional population by age and sex .....  | 165 |
| 5. | Employment status of the civilian noninstitutional population by race, sex, and age .....   | 166 |
| 6. | Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin ..... | 167 |
| 7. | Employed and unemployed full- and part-time workers by sex, age, and race .....   | 169 |
| 8. | Employment status of persons in families by family relationship .....   | 170 |

## Characteristics of the Unemployed

|     |   |     |
|-----|---|-----|
| 9.  | Unemployed persons by marital status, race, age, and sex .....                              | 171 |
| 10. | Unemployed persons by occupation and sex .....  | 172 |
| 11. | Unemployed persons by industry and sex .....  | 173 |
| 12. | Unemployed persons by reason for unemployment, sex, and race .....                          | 174 |
| 13. | Unemployed persons by reason for unemployment, sex, age, and duration of unemployment ..... | 175 |
| 14. | Unemployed persons by duration of unemployment .....  | 175 |
| 15. | Unemployed persons by sex, age, race, marital status, and duration of unemployment .....    | 176 |
| 16. | Unemployed persons by occupation, industry, and duration of unemployment .....              | 177 |
| 17. | Unemployed jobseekers by sex, age, race, and jobsearch methods used .....                   | 178 |
| 18. | Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used .....     | 179 |

## Characteristics of the Employed

|     |  |     |
|-----|--|-----|
| 19. | Employed civilians in agriculture and nonagricultural industries by age and sex.....                                 | 180 |
| 20. | Employed civilians by occupation, sex, and age .....   | 181 |
| 21. | Employed civilians by occupation, race, and sex .....  | 182 |
| 22. | Employed civilians by detailed occupation, sex, race, and Hispanic origin .....                                      | 183 |
| 23. | Employed civilians by age, sex, and class of worker .....  | 189 |
| 24. | Employed civilians in nonagricultural industries by sex and class of worker.....                                     | 190 |
| 25. | Employed civilians by industry, sex, and occupation .....  | 191 |
| 26. | Employed civilians by industry, race, and occupation .....   | 192 |
| 27. | Employed civilians in nonagricultural industries by sex, age, and race .....   | 193 |
| 28. | Employed civilians by detailed industry, sex, race, and Hispanic origin .....  | 194 |
| 29. | Employed civilians with a job but not at work by reason, sex, and pay status .....                                   | 198 |
| 30. | Persons at work by hours of work and type of industry .....  | 198 |
| 31. | Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status .....     | 199 |
| 32. | Persons at work in nonagricultural industries by class of worker and full- or part-time status .....                 | 199 |
| 33. | Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status ..... | 200 |
| 34. | Persons at work in nonfarm occupations by sex and full- or part-time status .....                                    | 201 |

## Persons Not in the Labor Force

|     |   |     |
|-----|---|-----|
| 35. | Persons not in the labor force by reason, sex, and age .....  | 202 |
| 36. | Persons not in the labor force by reason, race, Hispanic origin, age, and sex .....   | 203 |
| 37. | Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin .....                                | 204 |
| 38. | Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race ..... | 205 |

## Race and Hispanic-Origin Data

|     |  |     |
|-----|--|-----|
| 39. | Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin ..... | 206 |
| 40. | Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age .....             | 207 |
| 41. | Employed civilians by selected social and economic categories, race, and Hispanic origin .....             | 208 |

# ANNUAL AVERAGES—HOUSEHOLD DATA

Page

## Race and Hispanic-Origin Data—Continued

|     |  |     |
|-----|--|-----|
| 42. | Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories ..... | 209 |
| 43. | Employed civilians by sex, age, race, and Hispanic origin .....  | 210 |
| 44. | Unemployment rates by sex, age, race, and Hispanic origin .....  | 210 |
| 45. | Unemployed persons by duration of unemployment, race, and Hispanic origin .....                                | 211 |
| 46. | Unemployed persons by reason for unemployment, race, and Hispanic origin .....                                 | 211 |

## Vietnam-era Veterans and Nonveterans Data

|     |  |     |
|-----|--|-----|
| 47. | Employment status of male Vietnam-era veterans and nonveterans by age .....                            | 212 |
| 48. | Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin ..... | 213 |

## Family Relationship and Weekly Earnings Data

|     |  |     |
|-----|--|-----|
| 49. | Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members ..... | 214 |
| 50. | Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members .....  | 215 |
| 51. | Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members .....  | 216 |
| 52. | Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin .....         | 217 |
| 53. | Families with unemployed members and wage and salary workers by type of family and median weekly earnings .....  | 218 |
| 54. | Median weekly earnings of full-time wage and salary workers by selected characteristics .....                    | 219 |
| 55. | Median weekly earnings of part-time wage and salary workers by selected characteristics .....                    | 220 |
| 56. | Median weekly earnings of full-time wage and salary workers by detailed occupation and sex .....                 | 221 |

## Union Affiliation Data

|     |   |     |
|-----|---|-----|
| 57. | Employed wage and salary workers by age, sex, race, Hispanic origin, full- or part-time status, and union affiliation ..... | 231 |
| 58. | Employed wage and salary workers by occupation, industry, and union affiliation .....                                       | 232 |
| 59. | Median weekly earnings of full-time wage and salary workers by age, sex, race, Hispanic origin, and union affiliation ..... | 233 |
| 60. | Median weekly earnings of full-time wage and salary workers by occupation, industry, and union affiliation .....            | 234 |

## Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

|     |   |     |
|-----|---|-----|
| 61. | Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin ..... | 235 |
| 62. | Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin .....                                     | 237 |

# ANNUAL AVERAGES—ESTABLISHMENT DATA

## Employment—National

|     |  |     |
|-----|--|-----|
| 63. | Employees on nonagricultural payrolls by major industry and manufacturing group .....                                    | 238 |
| 64. | Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group ..... | 239 |

## Hours and Earnings—National

|     |  |     |
|-----|--|-----|
| 65. | Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group ..... | 240 |
|-----|--|-----|



# Employment and Unemployment Developments, December 1989

Employment showed little growth in December and unemployment was unchanged. Both the overall jobless rate and the civilian worker rate remained at 5.3 percent.

Employment, as measured by the survey of business establishments, edged up by 140,000 in December to 109.5 million; about 55,000 of the increase represented a return to work of persons who had been on strike. Total civilian employment, as measured by the survey of households, was about unchanged over the month.

## Unemployment

The number of unemployed persons, at 6.7 million, and the unemployment rate, 5.3 percent, were unchanged in December, after seasonal adjustment. Both showed very little month-to-month movement during all of 1989, particularly in the second half of the year. (See table A-33.)

Jobless rates for individual worker groups—adult men (4.6 percent), adult women (4.8 percent), teenagers (15.2 percent), whites (4.6 percent), blacks (11.8 percent), and Hispanics (8.5 percent)—also showed little or no change, both over the month and the year. (See tables A-33 and A-34.)

## Civilian employment and the labor force

Total civilian employment was about unchanged in December at 117.9 million, seasonally adjusted. The employment-population ratio held at 63.0 percent, close to the record high set last June. Employment rose by 1.7 million during 1989, compared with 2.3 million in the prior year. (See table A-33.)

The civilian labor force (124.5 million) and the labor force participation rate (66.5 percent) were essentially the same as in November. During the course of 1989, the labor force expanded by 1.9 million, with the entire increase about equally divided between adult men and women. (See table A-33.)

## Discouraged workers

At a seasonally adjusted level of 830,000 in the fourth quarter, the number of discouraged workers—persons who report they want to work but are not looking for jobs because they believe they cannot find any—was about the same as in the third quarter. Over the past year, the number of discouraged workers has declined by more than 100,000. About two-thirds of the total cited job-market conditions as their reasons for not seeking work, while the remainder cited

personal factors (such as age or lack of education). Blacks and women make up a disproportionately large share of all discouraged workers. (See table A-53.)

## Industry payroll employment

Total nonagricultural employment edged up by 140,000 in December, after seasonal adjustment, to a level of 109.5 million. Strike settlements accounted for about 55,000 of this increase. The December gain was confined to the service-producing sector; employment in goods-producing industries fell because of a weather-related decline in construction jobs and a continued slide in manufacturing. (See table B-4.)

In the service-producing sector, the services industry led the over-the-month job gains with an increase of 85,000. Within services, the rapidly expanding health services industry accounted for more than half of the overall gain and has added 525,000 jobs over the past year. The return of nearly 55,000 communications workers from a strike and continued growth in transportation employment were largely responsible for December's 75,000 increase in transportation and public utilities jobs. Employment in wholesale trade and finance, insurance, and real estate also increased over the month. Retail trade employment was little changed, as less than usual seasonal hiring in general merchandise stores and specialty retailers and job losses at automotive dealers and service stations offset gains in food stores and eating and drinking places.

In the goods-producing sector, construction employment declined by 40,000, after seasonal adjustment, as especially harsh weather in December curtailed work activity. Manufacturing employment continued its downtrend, falling by 25,000 to 19.5 million. Since March, factory jobs have declined by 195,000. December's decrease was led by a drop of nearly 15,000 jobs in electrical equipment. Following recent declines, auto industry employment was unchanged, while small losses occurred in several other durable goods industries. Within nondurable goods industries, offsetting movements left the total little changed. Elsewhere in the goods sector, mining employment was about unchanged over the month.

## Weekly hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls declined by 0.1

hour in December to 34.5 hours, seasonally adjusted. Both the factory workweek and overtime were unchanged at 40.7 and 3.7 hours, respectively. (See table C-5.)

The index of aggregate weekly hours of production or non-supervisory workers on private nonagricultural payrolls, at 128.6 (1977=100), declined by 0.3 percent in December. The index for manufacturing also fell 0.3 percent, to 94.6. Reflecting the recent weakness in the industry, the manufacturing index declined 1.6 percent during 1989. In contrast, continued growth in service sector jobs resulted in an increase of 1.4 percent in total private aggregate hours. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings of private production or non-supervisory workers rose 0.6 percent in December on a seasonally adjusted basis. Average weekly earnings were up by 0.3 percent. Prior to seasonal adjustment, average hourly earnings increased by 4 cents to \$9.85, and average weekly earnings rose by \$2.36 to \$340.81. Over the year, average hourly earnings increased by 4.1 percent and average weekly earnings by 3.2 percent. (See tables C-1 and C-7.)

| <b>Scheduled Release Dates</b>   |                     |                        |                     |
|--|---------------------|------------------------|---------------------|
| Employment and unemployment data are scheduled for initial release on the following dates: |                     |                        |                     |
| <i>Reference month</i>   | <i>Release date</i> | <i>Reference month</i> | <i>Release date</i> |
| January  | February 2          | April                  | May 4               |
| February   | March 9             | May                    | June 1              |
| March  | April 6             | June                   | July 6              |

# Revision of Seasonally Adjusted Labor Force Series

\* Robert J. McIntire

The purpose of seasonal adjustment is to eliminate from economic time series the influence of weather, holidays, the opening and closing of schools, and other such seasonal events in order to make it easier to observe and analyze the cyclical and other nonseasonal movements in the series. The seasonality which the adjustment process endeavors to eliminate is represented by seasonal factors. The seasonal factors used for current adjustment are estimates of how much the original unadjusted values can be expected to deviate from underlying trend-cycle levels due to annually recurring behavior as projected from average seasonal patterns in the recent past. Even though seasonality involves regularly recurring patterns, it does tend to change over time, creating a need for periodic reestimation of factors and revision of recently adjusted estimates. By including more recent data in the estimation process, the revision process can provide better estimates of how much the original, unadjusted estimates actually deviated from underlying trend-cycle levels during the recent period, thereby improving the historical seasonally adjusted data for that period. In addition, the new information is incorporated to produce the new projected factors to be used for current seasonal adjustment.

Therefore, at the end of each calendar year, the Bureau of Labor Statistics reestimates the seasonality of the unemployment, employment, and other labor force series derived from the Current Population Survey by including another full year of data in the estimation process. Based on this annual reestimation, BLS issues the projected factors for the first 6 months of the new year as well as revised estimates of historical seasonally adjusted data for the last 5 years. Each year's data are generally subject to five revision cycles before the values are considered final. The fifth and final revisions in the earliest of the 5 years are usually quite small, while the first-time revisions in the most recent year are generally much more substantial, although even these rarely alter the essential trends observed in the initial major estimates. This year's revisions incorporate data through December 1989 and provide revised estimates for January 1985 through December 1989 for all seasonally adjusted labor force series. In addition, seasonally adjusted data for a few persons-at-work series were revised back through January 1978 because of the first-time application of a special new extension of

the seasonal adjustment procedure that provides a correction for the moving-holiday effects of Easter in such series. This extension is discussed in more detail later in this article.

Table 1 contains the new projected seasonal factors to be applied during the first 6 months of 1990 to the 12 component series used in the computation of the seasonally adjusted civilian labor force and unemployment rate. (See the section on aggregation procedures later in the article.) Projected factors for the last 6 months of 1990 will be estimated in early July, based on data through June 1990, and published in the July issue of this publication.

## Effect of revisions

One of the criteria used to evaluate alternative methods of seasonal adjustment is how close initial estimates are to later revisions. Policymakers and analysts must make determinations based on current information, and so it is important that the initial estimates of current factors for the seasonal adjustment of major economic series produce estimates of level and change that are as close as possible to the improved estimates that will be made after more data have become available. Even though the revisions currently being released for the 1989 seasonally adjusted data are not final, the first revisions are, as mentioned above, usually the most substantial of the five that will be made and often indicate the direction any subsequent revisions will take. Therefore, it is appropriate to compare these first revisions with the initial estimates. Table 2 shows the overall and civilian unemployment rates for 1989 as first computed and as revised, as well as the change due to revision. Both of the rates, rounded to one decimal place as published, changed in only 4 or 5 months of the year, with the absolute effect of the changes never exceeding 0.1 percentage point in any of those months. Compared to the initial estimates, the revised rates suggest slightly smoother behavior for the rates during the year.

## Adjustment methods and procedures

The official seasonal adjustment procedure for the labor force series is the X-11 ARIMA program, which was developed at Statistics Canada during the 1970's as an ex-

\* Robert J. McIntire is an economist and Chief of the Data Development Staff in the Office of Employment and Unemployment Statistics, Bureau of Labor Statistics.

**Table 1. Current seasonal adjustment factors for the 12 major civilian labor force components, January–June 1990**

| Procedure and series  | January | February | March | April | May   | June  |
|---|---------|----------|-------|-------|-------|-------|
| <b>Multiplicative Adjustment</b><br>(Divide factor into original value) |         |          |       |       |       |       |
| Agricultural employment:  |         |          |       |       |       |       |
| Men, 20 years and over .....  | .899    | .894     | .937  | 1.002 | 1.039 | 1.068 |
| Women, 20 years and over .....  | .863    | .900     | .923  | .943  | 1.049 | 1.095 |
| Men, 16 to 19 years .....   | .612    | .617     | .711  | 1.022 | 1.130 | 1.569 |
| Women, 16 to 19 years .....   | .651    | .735     | .962  | .978  | .973  | 1.486 |
| Nonagricultural employment:   |         |          |       |       |       |       |
| Men, 20 years and over .....  | .988    | .989     | .992  | .995  | 1.001 | 1.008 |
| Women, 20 years and over .....  | .997    | .998     | 1.001 | 1.001 | 1.000 | .993  |
| Unemployment:   |         |          |       |       |       |       |
| Men, 20 years and over .....  | 1.211   | 1.186    | 1.125 | 1.006 | .939  | .937  |
| Women, 20 years and over .....  | 1.049   | 1.013    | .969  | .929  | .969  | .998  |
| <b>Additive Adjustment</b><br>(Subtract factor from original value)     |         |          |       |       |       |       |
| Nonagricultural employment:   |         |          |       |       |       |       |
| Men, 16 to 19 years .....   | -.317   | -.344    | -.293 | -.264 | -.137 | .426  |
| Women, 16 to 19 years .....   | -.241   | -.250    | -.263 | -.216 | -.143 | .303  |
| Unemployment:   |         |          |       |       |       |       |
| Men, 16 to 19 years .....   | .16     | .12      | -.22  | -.87  | -.19  | .184  |
| Women, 16 to 19 years .....   | -.44    | -.50     | -.64  | -.64  | -.9   | .266  |

**Table 2. Seasonally adjusted unemployment rates in 1989 and change due to revision**

| Month           | As first computed |          | As revised |          | Change due to revision |          |
|-----------------|-------------------|----------|------------|----------|------------------------|----------|
|                 | Overall           | Civilian | Overall    | Civilian | Overall                | Civilian |
| January .....   | 5.4               | 5.4      | 5.3        | 5.4      | -0.1                   | 0        |
| February .....  | 5.1               | 5.1      | 5.1        | 5.2      | 0                      | 0.1      |
| March .....     | 4.9               | 5.0      | 5.0        | 5.0      | .1                     | 0        |
| April .....     | 5.2               | 5.3      | 5.2        | 5.3      | 0                      | 0        |
| May .....       | 5.1               | 5.2      | 5.1        | 5.2      | 0                      | 0        |
| June .....      | 5.2               | 5.3      | 5.2        | 5.3      | 0                      | 0        |
| July .....      | 5.2               | 5.2      | 5.2        | 5.3      | 0                      | .1       |
| August .....    | 5.1               | 5.2      | 5.2        | 5.3      | .1                     | .1       |
| September ..... | 5.2               | 5.3      | 5.3        | 5.3      | .1                     | 0        |
| October .....   | 5.2               | 5.3      | 5.2        | 5.3      | 0                      | 0        |
| November .....  | 5.3               | 5.4      | 5.3        | 5.3      | 0                      | -.1      |
| December .....  | 5.3               | 5.4      | 5.3        | 5.3      | 0                      | -.1      |

<sup>1</sup> These rates reflect the use of seasonal factors projected for December 1989 and published in the July 1989 issue of *Employment and Earnings* and were

subject to revision before regular publication of December data.

tension of and improvement to the widely used X-11 method developed at the U.S. Bureau of the Census in the 1960's.<sup>1</sup> The X-11 ARIMA method improves current estimates for most series by allowing recent observations, especially the last 6 months, to weigh more heavily in the estimates of current and recent seasonal factors than did the X-11 alone. The method provides this improvement through the use of ARIMA models to extend the data series by 12 months. The X-11 algorithm for seasonal adjustment is then applied to

the extended series.

*ARIMA models.* ARIMA projections are based only on the past experience observed in a series itself. ARIMA models have proved to have good properties for short-term projection or extrapolation of a large class of time series, especially in a seasonal adjustment context, since the extrapolations tend to track intra-year movements quite well. The ARIMA models in the X-11 ARIMA program used to seasonally adjust the labor force series are of the Box-Jenkins type.<sup>2</sup> They can

<sup>1</sup> The primary documentation for the X-11 ARIMA procedure is in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum (Statistics Canada Catalogue No. 12-564 E, January 1983). (ARIMA is an acronym for Auto-Regressive Integrated Moving Average.) The X-11 method is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, by Julius Shiskin, Alan Young, and John Musgrave (Technical Paper No. 15, Bureau of the Census, 1967).

<sup>2</sup> For a more detailed discussion of ARIMA models, refer to previously cited Dagum (1983) and to G.E.P. Box and G.M. Jenkins, *Time Series Analysis, Forecasting and Control* (San Francisco, Holden Day, 1970); and C.W.J. Granger and P. Newbold, *Forecasting Economic Time Series* (New York, Academic Press, 1977).

generally be described with the notation:  
 $(p,d,q)(P,D,Q)$  TRANSFORMATION,

Where:

- (1)  $p$  is the number of regular (nonseasonal) autoregressive parameters
- (2)  $d$  is the number of regular differences
- (3)  $q$  is the number of regular moving average parameters
- (4)  $P$  is the number of seasonal autoregressive parameters
- (5)  $D$  is the number of seasonal differences
- (6)  $Q$  is the number of seasonal moving average parameters
- (7) TRANSFORMATION may be NONE, LOG, or POWER(n).

While the lettered elements within the parentheses of the model specifications can theoretically take on many values, in practice only small values are useful.

For each labor force series which has been extended based on an ARIMA model, the model has been specifically chosen as well suited to the particular series, based on a set of established criteria. The criteria essentially require a model to: (1) fit the series well, (2) have low average forecasting errors in the last 3 years prior to the projected year, and (3) produce residuals (the differences between the observed values and the values forecast by the model for the observed period) which follow a random pattern. Acceptable ARIMA models have been identified and were used for 166 of the 192 labor force series which were directly adjusted at the end of 1989, including all 12 major civilian labor force components, whose ARIMA models are shown in table 3. The models for two of those major components—agricultural employment for women 16 to 19 years and unemployment for women 20 years and over—are different from those used last year. The 26 remaining series for which acceptable models have not been identified were simply run through the X-11 part of the program without any ARIMA extrapolations.

*X-11 procedures.* The procedures used for adjusting the labor force series within the X-11 part of the process were the same as those followed last year. A 10-year time period, including data from January 1980 through December 1989, was used for the adjustment of all the labor force series except those being run through the new moving-holiday extension for the first time.

The X-11 method of seasonal adjustment contained in the X-11 ARIMA procedure assumes that the original series, including the 12 extrapolated observations if an ARIMA model has been applied, is either the product or the sum of three components—trend-cycle, seasonal, and irregular. The method uses either a ratio-to- or difference-from-moving-average approach to estimate the components, depending on whether the multiplicative or additive model is used. The seasonally adjusted series values are computed by dividing

**Table 3. ARIMA models used in end-of-1989 seasonal adjustment for the 12 major civilian labor force components**

| Series                             | Model           | Transformation |
|------------------------------------|-----------------|----------------|
| <b>Agricultural employment:</b>    |                 |                |
| Men, 20 years and over . . . . .   | (1,0,0) (0,1,1) | LOG            |
| Women, 20 years and over . . . . . | (1,0,0) (0,2,2) | LOG            |
| Men, 16 to 19 years . . . . .      | (0,1,2) (0,1,1) | NONE           |
| Women, 16 to 19 years . . . . .    | (2,1,2) (0,1,1) | NONE           |
| <b>Nonagricultural employment:</b> |                 |                |
| Men, 20 years and over . . . . .   | (0,1,2) (0,1,1) | LOG            |
| Women, 20 years and over . . . . . | (0,1,1) (0,1,1) | LOG            |
| Men, 16 to 19 years . . . . .      | (2,1,0) (0,1,1) | NONE           |
| Women, 16 to 19 years . . . . .    | (0,1,1) (0,1,1) | NONE           |
| <b>Unemployment:</b>               |                 |                |
| Men, 20 years and over . . . . .   | (2,1,2) (0,1,1) | NONE           |
| Women, 20 years and over . . . . . | (0,1,2) (0,1,1) | LOG            |
| Men, 16 to 19 years . . . . .      | (0,1,2) (0,1,1) | NONE           |
| Women, 16 to 19 years . . . . .    | (0,1,2) (0,1,1) | NONE           |

each month's original value by the corresponding seasonal factor if the multiplicative model is used, or by subtracting the factor if the additive model is used. Of the 12 major civilian labor force components, the 4 teenage unemployment and nonagricultural employment series were adjusted using the additive model, and the other 8 series with the multiplicative model. Of all the 192 directly adjusted series, 37 were adjusted with the additive model, primarily those involving teenage employment and unemployment, for which the seasonal component seems to be fairly independent of the trend-cycle.

*Moving-holiday adjustment.* Three of the series directly adjusted with multiplicative models were seasonally adjusted using the new moving-holiday extension of X-11 ARIMA which has been developed at BLS. These three series, all relating to persons at work, had tested as having significant and well-defined effects in their April data related to the timing of Easter. The series are: (1 and 2) at work on part-time schedules for noneconomic reasons, usually work part time, all industries and nonagricultural industries, both of which are published monthly in seasonally adjusted form; and (3) at work on full-time schedules, nonagricultural industries, a seasonally adjusted series formerly published and still maintained.

The standard X-11 seasonal-factor moving averages in X-11 ARIMA assume that seasonal behavior in any given month is relatively consistent from year to year, even though it may evolve over a number of years. Holidays are one source of seasonality, and most affect economic data in a way sufficiently consistent from year to year to allow the standard X-11 assumption to work reasonably well. Easter, however, can occur anywhere from March 22 to April 25 and is the principal example of a potential source of the seasonal or calendar effects generally called "moving-holiday effects" in economic series. When these effects are present and not controlled for, they tend to confound seasonal component estimation for the affected month or months.

Most of the seasonally adjusted labor force series are not significantly affected by Easter, and previous work on moving-holiday effects has generally disregarded the

possibility of such effects occurring in such reference-period-based series (focusing instead on series which are accumulations over all days of each month, such as series on sales). The at-work series on voluntary part-time and full-time schedules are affected, however, because significant numbers of employed persons shift from being at work to being "with a job but not at work" in the observed data when the CPS reference week is the week immediately before or after Easter. This shift stems primarily from vacations and can show up only in the data for April, the only month in which the CPS reference week—the week containing the 12th of the month—can be the week before or after Easter. In years in which one of these intersections between Easter and the CPS reference week occurs, the number of persons at work in these categories in April tends to decrease substantially. In other years, when the CPS reference week is further removed from Easter, the number of persons at work in April tends to increase, reflecting the pattern for employment in general. The standard X-11 method averages these two very different sets of behavior together and produces April seasonal factors that usually do not adjust very well for either type of behavior. The new BLS moving-holiday extension provides a means of averaging the different types of behavior separately and allowing the differences to be reflected in the final seasonal factors.

The moving-holiday procedure works as follows for each series to which it is applied. First, an initial decomposition into trend-cycle, seasonal, and irregular components is done with X-11 ARIMA (without ARIMA extrapolation). The resulting initial seasonal component reflects the standard X-11 averaging process. The deviations from this average April seasonal component that are due to the timing of Easter are reflected in the April values of the resulting initial irregular component, which tend to be low for the years when the Easter/CPS-reference-week intersection occurred and high in the years when it didn't. The second stage of the procedure computes averages of those April irregular values (including a correction for any extremes) within sets of years grouped in ranges of Easter dates. The most appropriate ranges of Easter dates for any given series are selected based upon empirical analysis of the initial irregular component and upon expert knowledge of how the economic phenomenon as measured in the series is affected by the proximity or timing of Easter. The average of the April irregulars within each set becomes the estimate of the holiday effect (more precisely the holiday effect net of the average seasonal) in April for each of the years participating in that set. These holiday effects then become "holiday prior-adjustment factors," used to prior adjust the April observations for the third stage of the procedure, which is a second run of the series through X-11 ARIMA (this time with ARIMA extrapolation if a model is specified or requested). Finally, combined seasonal factors, including the projected factors, are computed as the product of the seasonal factors produced by the second X-11 ARIMA run, which essentially are the average seasonals reestimated with the net moving-holiday effect removed, and the holiday prior-adjustment factors derived in the first two stages. One benefit of this approach is that seasonal factors

for months other than those with moving-holiday effects are only minimally affected.

Because this procedure involves creating subsets of the irregular values for the months affected by moving holidays, it is usually necessary to use more years for the estimation of the holiday effect in the first two stages than typically need to be used for the final seasonal adjustment in the third and final stages. The extra years help to ensure that a reasonable number of years are available for each subset. For the estimation of the holiday effect in the three at-work series, data back to 1967 were used for the two part-time series and data back to 1970 were used for the series on full-time schedules. Three subsets were used for estimating the moving-holiday effects for these series, based on the following ranges of Easter dates: (1) April 13-19, defining years in which the CPS reference week for April is the week immediately before Easter, the timing when this holiday effect is usually strongest; (2) April 6-12, defining years in which the CPS reference week for April is the week after (and containing) Easter, when the average effect is similar to but not as strong as the effect for the week before; and (3) all other dates of Easter, defining years in which the unadjusted data are not affected by Easter.

For this year's final seasonal adjustment of these three at-work series, data back to 1975 were used in the third stage of the procedure because of the need to revise the historically seasonally adjusted data back to 1978, a year in which the confounding effect of the moving holiday had been fairly substantial in the existing seasonally adjusted data. (The more usual practice will be to use the regular 10-year period of data for the final seasonal adjustment of these series and revise only the most recent 5 years.) In addition to revising the three directly adjusted series back to 1978, the aggregated seasonally adjusted series on the total at work in non-agricultural industries was recomputed back to 1978 to be consistent with the revised directly adjusted components.

*Six-month updates.* With respect to the seasonal adjustment schedule for the labor force series, the current official practice involves the running of all 192 directly adjusted series through X-11 ARIMA twice each year, after receipt of June and December data, with 6 months of projected factors drawn from each run and historical revisions drawn from the end-of-year run. This practice allows, among other things, the prior publication of seasonal factors, which historically has been regarded by the Bureau of Labor Statistics and other statistical agencies as an important way of ensuring the openness of their seasonal adjustment procedures, especially where very sensitive indicators such as the unemployment rate have been involved. In recent years, a number of research studies, including a 1987 paper on the labor force series,<sup>3</sup> have indicated that the alternative practice of con-

<sup>3</sup> G.R. Methée and R.J. McIntire, "An Evaluation of Concurrent Seasonal Adjustment for the Major Labor Force Series," in the 1987 *Proceedings of the Business and Economic Statistics Section*, American Statistical Association; copies of a more complete version of the paper can be obtained directly from the authors at the Bureau of Labor Statistics.

current adjustment, where the seasonal adjustment procedure is run with all available data each month and factors cannot be published ahead of time, generally produces initial seasonally adjusted estimates requiring smaller revisions than those produced by adjustment using projected factors. The BLS is continuing to evaluate concurrent adjustment for the labor force series, and concurrently adjusted alternative estimates for major labor force series are available to interested users upon request.

### Aggregation procedures

BLS maintains and publishes several hundred seasonally adjusted labor force series in addition to the 192 directly adjusted series discussed above. These additional series are produced by arithmetically combining or aggregating the directly adjusted series with each other or, in some cases, with series on population or resident Armed Forces levels, which are not seasonally adjusted because they are not considered to have any significant seasonal variation. For example, the seasonally adjusted levels of total unemployment, civilian employment, and civilian labor force, and the seasonally adjusted unemployment rate for all civilian workers, are all produced by aggregation of some or all of the seasonally adjusted results for the 12 major civilian labor force components. The seasonally adjusted level of total unemployment is the sum of the seasonally adjusted levels of unemployment for the four age-sex groups—men and women 16 to 19, and men and women 20 years and over. Seasonally adjusted civilian employment is the sum of the seasonally adjusted levels of employment for the eight employment components—the same four age-sex groups as noted above employed in nonagricultural and agricultural industries. The seasonally adjusted civilian labor force is the sum of all 12 components. The seasonally adjusted civilian unemployment rate is calculated by taking the total seasonally adjusted unemployment level as a percent of the total seasonally adjusted civilian labor force. For the overall labor force, the resident Armed Forces level is added to the seasonally adjusted civilian labor force, and the seasonally adjusted overall unemployment rate is, of course, calculated by taking total seasonally adjusted unemployment as a percent of that labor force figure.

The principal reason for producing many of the major seasonally adjusted estimates for the labor force by aggregation rather than by direct adjustment is that this approach ensures that the major seasonally adjusted totals will be

arithmetically consistent with at least one major set of components. If the totals were directly adjusted along with the components, such consistency would not, in all likelihood, occur, since the X-11 is not a sum-preserving procedure; that is, the sum of the result for two or more directly adjusted series will not generally be the same as the result of directly adjusting the sum of the unadjusted versions of the same series. Another factor is that it would generally be inappropriate to apply seasonal factors computed for an aggregate series to the components of the aggregate. The various labor force components tend to have significantly different patterns of seasonal variation; for example, teenage unemployment tends to peak in June, while unemployment of adult men tends to peak in the winter months of January and February. In order to properly estimate these varying seasonal patterns, it is necessary to directly adjust the components. Of course, one of the implications of producing seasonally adjusted estimates for many major series by aggregation is that exact factors cannot be projected for those series. However, implicit seasonal adjustment factors can be calculated after the fact by taking the ratio of the unadjusted aggregate to the seasonally adjusted aggregate, or, for additive implicit factors, the difference between those two aggregates.

### Availability of revised series

This issue of *Employment and Earnings* contains revised data for the last 13 months and quarters for many seasonally adjusted labor force series. Next month's issue will provide the 1985-89 revisions for a few hundred of the seasonally adjusted monthly labor force series most in demand. These revisions replace the data published in the February 1989 issue for 1985-88 and the seasonally adjusted estimates for 1989 published during the past year. Other than for those few persons-at-work series revised back to 1978, seasonally adjusted data for 1984 and earlier years were not revised.

Additional data for any of the several hundred seasonally adjusted labor force series, as well as the January-June 1990 factors for any of the directly adjusted series beyond the 12 major components, can be obtained from BLS upon request. Requests for data or inquiries concerning seasonal adjustment methodology or the availability of machine-readable files of labor force data should be addressed to the Data Development Staff, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics, Washington, DC 20212.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1956 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 |        |                        |                    |  |
| <b>Annual averages</b>                               |                             |             |                       |          |                       |          |             |                            |        |                        |                    |  |
| 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   | 1,948                 | 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                    | 46,088             |  |
| 1959 .....   | 117,117                     | 70,157      | 59.9                  | 66,418   | 1,788                 | 64,630   | 5,565       | 59,065                     | 3,740  | 5.3                    | 46,960             |  |
| 1960 <sup>1</sup> .....                              | 119,106                     | 71,489      | 60.0                  | 67,639   | 1,861                 | 65,778   | 5,458       | 60,318                     | 3,852  | 5.4                    | 47,617             |  |
| 1961 .....   | 120,671                     | 72,359      | 60.0                  | 67,646   | 1,900                 | 65,746   | 5,200       | 60,546                     | 4,714  | 6.5                    | 48,312             |  |
| 1962 <sup>1</sup> .....                              | 122,214                     | 72,675      | 59.5                  | 68,763   | 2,061                 | 66,702   | 4,944       | 61,759                     | 3,911  | 5.4                    | 49,539             |  |
| 1963 .....   | 124,422                     | 73,839      | 59.3                  | 69,768   | 2,006                 | 67,762   | 4,687       | 63,076                     | 4,070  | 5.5                    | 50,583             |  |
| 1964 .....   | 126,503                     | 75,109      | 59.4                  | 71,323   | 2,018                 | 69,305   | 4,523       | 64,782                     | 3,786  | 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                 | 72,895   | 3,979       | 68,915                     | 2,875  | 3.7                    | 52,288             |  |
| 1967 .....   | 132,092                     | 79,565      | 60.2                  | 76,590   | 2,218                 | 74,372   | 3,844       | 70,527                     | 2,975  | 3.7                    | 52,527             |  |
| 1968 .....   | 134,281                     | 80,990      | 60.3                  | 78,173   | 2,253                 | 75,920   | 3,817       | 72,103                     | 2,817  | 3.5                    | 53,291             |  |
| 1969 .....   | 136,573                     | 82,972      | 60.8                  | 80,140   | 2,238                 | 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 <sup>1</sup> .....                              | 145,939                     | 88,847      | 60.9                  | 83,966   | 1,813                 | 82,153   | 3,484       | 78,669                     | 4,882  | 5.5                    | 57,091             |  |
| 1973 <sup>1</sup> .....                              | 148,870                     | 91,203      | 61.3                  | 86,838   | 1,774                 | 85,064   | 3,470       | 81,594                     | 4,365  | 4.8                    | 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 .....   | 154,831                     | 95,453      | 61.6                  | 87,524   | 1,678                 | 85,846   | 3,408       | 82,438                     | 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  | 7.6                    | 59,991             |  |
| 1977 .....   | 160,689                     | 100,665     | 62.6                  | 93,673   | 1,656                 | 92,017   | 3,283       | 88,734                     | 6,991  | 6.9                    | 60,025             |  |
| 1978 <sup>1</sup> .....                              | 163,541                     | 103,882     | 63.5                  | 97,679   | 1,631                 | 96,048   | 3,387       | 92,661                     | 6,202  | 6.0                    | 59,659             |  |
| 1979 .....   | 166,460                     | 106,559     | 64.0                  | 100,421  | 1,597                 | 98,824   | 3,347       | 95,477                     | 6,137  | 5.8                    | 59,900             |  |
| 1980 .....   | 169,349                     | 108,544     | 64.1                  | 100,907  | 1,604                 | 99,303   | 3,364       | 95,938                     | 7,637  | 7.0                    | 60,806             |  |
| 1981 .....   | 171,775                     | 110,315     | 64.2                  | 102,042  | 1,645                 | 100,397  | 3,368       | 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                     | 10,678 | 9.5                    | 62,067             |  |
| 1983 .....   | 175,891                     | 113,226     | 64.4                  | 102,510  | 1,676                 | 100,834  | 3,383       | 97,450                     | 10,717 | 9.5                    | 62,665             |  |
| 1984 .....   | 178,080                     | 115,241     | 64.7                  | 106,702  | 1,697                 | 105,005  | 3,321       | 101,685                    | 8,539  | 7.4                    | 62,839             |  |
| 1985 .....   | 179,912                     | 117,167     | 65.1                  | 108,856  | 1,706                 | 107,150  | 3,179       | 103,971                    | 8,312  | 7.1                    | 62,744             |  |
| 1986 <sup>1</sup> .....                              | 182,293                     | 119,540     | 65.6                  | 111,303  | 1,706                 | 109,597  | 3,163       | 106,434                    | 8,237  | 6.9                    | 62,752             |  |
| 1987 .....   | 184,490                     | 121,602     | 65.9                  | 114,177  | 1,737                 | 112,440  | 3,208       | 109,232                    | 7,425  | 6.1                    | 62,888             |  |
| 1988 .....   | 186,322                     | 123,378     | 66.2                  | 116,677  | 1,709                 | 114,968  | 3,169       | 111,800                    | 6,701  | 5.4                    | 62,944             |  |
| 1989 .....   | 188,081                     | 125,557     | 66.8                  | 119,030  | 1,688                 | 117,342  | 3,199       | 114,142                    | 6,528  | 5.2                    | 62,523             |  |
| <b>Monthly data, seasonally adjusted<sup>2</sup></b> |                             |             |                       |          |                       |          |             |                            |        |                        |                    |  |
| <b>1988:</b>   |                             |             |                       |          |                       |          |             |                            |        |                        |                    |  |
| December .....                                       | 187,098                     | 124,346     | 66.5                  | 117,837  | 1,696                 | 116,141  | 3,192       | 112,949                    | 6,509  | 5.2                    | 62,752             |  |
| <b>1989:</b>   |                             |             |                       |          |                       |          |             |                            |        |                        |                    |  |
| January .....  | 187,340                     | 124,961     | 66.7                  | 118,336  | 1,696                 | 116,640  | 3,268       | 113,372                    | 6,625  | 5.3                    | 62,379             |  |
| February .....                                       | 187,461                     | 124,801     | 66.6                  | 118,441  | 1,684                 | 116,757  | 3,196       | 113,561                    | 6,360  | 5.1                    | 62,660             |  |
| March .....  | 187,581                     | 124,929     | 66.6                  | 118,731  | 1,684                 | 117,047  | 3,185       | 113,862                    | 6,198  | 5.0                    | 62,652             |  |
| April .....  | 187,708                     | 125,299     | 66.8                  | 118,768  | 1,684                 | 117,084  | 3,144       | 113,940                    | 6,531  | 5.2                    | 62,409             |  |
| May .....  | 187,854                     | 125,224     | 66.7                  | 118,805  | 1,673                 | 117,132  | 3,137       | 113,995                    | 6,419  | 5.1                    | 62,630             |  |
| June .....   | 187,995                     | 125,777     | 66.9                  | 119,208  | 1,666                 | 117,542  | 3,138       | 114,404                    | 6,569  | 5.2                    | 62,218             |  |
| July .....   | 188,149                     | 125,679     | 66.8                  | 119,102  | 1,666                 | 117,436  | 3,217       | 114,219                    | 6,577  | 5.2                    | 62,470             |  |
| August .....   | 188,286                     | 125,758     | 66.8                  | 119,238  | 1,688                 | 117,550  | 3,275       | 114,275                    | 8,520  | 5.2                    | 62,528             |  |
| September .....                                      | 188,428                     | 125,725     | 66.7                  | 119,121  | 1,702                 | 117,419  | 3,219       | 114,200                    | 6,604  | 5.3                    | 62,703             |  |
| October .....  | 188,580                     | 125,857     | 66.7                  | 119,294  | 1,709                 | 117,585  | 3,197       | 114,388                    | 6,563  | 5.2                    | 62,723             |  |
| November .....                                       | 188,721                     | 126,192     | 66.9                  | 119,540  | 1,704                 | 117,836  | 3,160       | 114,676                    | 6,652  | 5.3                    | 62,529             |  |
| December .....                                       | 188,865                     | 126,246     | 66.8                  | 119,588  | 1,700                 | 117,888  | 3,197       | 114,691                    | 6,658  | 5.3                    | 62,619             |  |

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted household survey data shown in tables A-1, 2, 3 and 32-53 have been revised based on the experience through December 1989. Data for 1985-89 are subject to revision. See the article in this issue for additional information.



**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1979 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 |            |                        |                    |
| <b>Annual averages</b>                               |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| <b>MEN</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| 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                 | 57,186   | 2,709       | 54,477                     | 4,267      | 6.8                    | 17,945             |
| 1981 .....   | 82,023                      | 63,486      | 77.4                  | 58,909   | 1,512                 | 57,397   | 2,700       | 54,697                     | 4,577      | 7.2                    | 18,537             |
| 1982 .....   | 83,052                      | 63,979      | 77.0                  | 57,800   | 1,529                 | 56,271   | 2,736       | 53,534                     | 8,179      | 9.7                    | 19,073             |
| 1983 .....   | 84,064                      | 64,580      | 76.8                  | 58,320   | 1,533                 | 56,787   | 2,704       | 54,083                     | 8,260      | 9.7                    | 19,484             |
| 1984 .....   | 85,156                      | 65,386      | 76.8                  | 60,642   | 1,551                 | 59,091   | 2,668       | 56,423                     | 4,744      | 7.3                    | 19,771             |
| 1985 .....   | 86,025                      | 65,987      | 76.7                  | 61,447   | 1,558                 | 59,891   | 2,535       | 57,356                     | 4,521      | 6.9                    | 20,058             |
| 1986 <sup>1</sup> .....                              | 87,349                      | 66,973      | 76.7                  | 62,443   | 1,551                 | 60,892   | 2,511       | 58,381                     | 4,530      | 6.8                    | 20,376             |
| 1987 .....   | 88,476                      | 67,784      | 76.6                  | 63,884   | 1,577                 | 62,107   | 2,543       | 59,564                     | 4,101      | 6.1                    | 20,692             |
| 1988 .....   | 89,404                      | 68,474      | 76.6                  | 64,820   | 1,547                 | 63,273   | 2,493       | 60,780                     | 3,655      | 5.3                    | 20,930             |
| 1989 .....   | 90,283                      | 69,360      | 76.8                  | 65,835   | 1,520                 | 64,315   | 2,513       | 61,802                     | 3,525      | 5.1                    | 20,923             |
| <b>Monthly data, seasonally adjusted<sup>2</sup></b> |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| <b>1988:</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| December .....                                       | 89,792                      | 68,695      | 76.5                  | 65,145   | 1,534                 | 63,611   | 2,468       | 61,143                     | 3,550      | 5.2                    | 21,097             |
| <b>1989:</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| January .....  | 89,914                      | 68,936      | 76.7                  | 65,296   | 1,532                 | 63,764   | 2,488       | 61,276                     | 3,640      | 5.3                    | 20,978             |
| February .....                                       | 89,973                      | 69,033      | 76.7                  | 65,529   | 1,521                 | 64,008   | 2,503       | 61,505                     | 3,504      | 5.1                    | 20,940             |
| March .....  | 90,032                      | 69,100      | 76.8                  | 65,814   | 1,521                 | 64,293   | 2,495       | 61,798                     | 3,286      | 4.8                    | 20,932             |
| April .....  | 90,094                      | 69,293      | 76.9                  | 65,727   | 1,521                 | 64,206   | 2,460       | 61,746                     | 3,566      | 5.1                    | 20,801             |
| May .....  | 90,167                      | 69,142      | 76.7                  | 65,713   | 1,511                 | 64,202   | 2,465       | 61,737                     | 3,429      | 5.0                    | 21,025             |
| June .....   | 90,237                      | 69,542      | 77.1                  | 66,078   | 1,501                 | 64,577   | 2,480       | 62,097                     | 3,464      | 5.0                    | 20,695             |
| July .....   | 90,315                      | 69,366      | 76.8                  | 65,939   | 1,499                 | 64,440   | 2,539       | 61,901                     | 3,427      | 4.9                    | 20,949             |
| August .....   | 90,384                      | 69,404      | 76.8                  | 65,919   | 1,519                 | 64,400   | 2,592       | 61,808                     | 3,485      | 5.0                    | 20,980             |
| September .....                                      | 90,456                      | 69,360      | 76.7                  | 65,681   | 1,531                 | 64,150   | 2,520       | 61,630                     | 3,679      | 5.3                    | 21,096             |
| October .....  | 90,535                      | 69,599      | 76.9                  | 66,046   | 1,533                 | 64,513   | 2,513       | 62,000                     | 3,553      | 5.1                    | 20,936             |
| November .....                                       | 90,606                      | 69,635      | 76.9                  | 66,011   | 1,529                 | 64,482   | 2,477       | 62,005                     | 3,624      | 5.2                    | 20,971             |
| December .....                                       | 90,678                      | 69,725      | 76.9                  | 66,143   | 1,525                 | 64,618   | 2,535       | 62,083                     | 3,582      | 5.1                    | 20,953             |
| <b>Annual averages</b>                               |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| <b>WOMEN</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| 1979 .....   | 86,951                      | 44,343      | 51.0                  | 41,325   | 108                   | 41,217   | 661         | 40,556                     | 3,018      | 6.8                    | 42,608             |
| 1980 .....   | 88,472                      | 45,611      | 51.6                  | 42,241   | 124                   | 42,117   | 656         | 41,461                     | 3,370      | 7.4                    | 42,861             |
| 1981 .....   | 89,751                      | 46,829      | 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                   | 43,256   | 665         | 42,591                     | 4,499      | 9.4                    | 42,993             |
| 1983 .....   | 91,827                      | 48,646      | 53.0                  | 44,190   | 143                   | 44,047   | 680         | 43,367                     | 4,457      | 9.2                    | 43,181             |
| 1984 .....   | 92,924                      | 49,855      | 53.7                  | 46,061   | 146                   | 45,915   | 653         | 45,262                     | 3,794      | 7.6                    | 43,068             |
| 1985 .....   | 93,886                      | 51,200      | 54.5                  | 47,409   | 150                   | 47,259   | 644         | 46,615                     | 3,791      | 7.4                    | 42,686             |
| 1986 <sup>1</sup> .....                              | 94,944                      | 52,568      | 55.4                  | 48,861   | 155                   | 48,706   | 652         | 48,054                     | 3,707      | 7.1                    | 42,376             |
| 1987 .....   | 96,013                      | 53,818      | 56.1                  | 50,494   | 160                   | 50,334   | 666         | 49,668                     | 3,324      | 6.2                    | 42,195             |
| 1988 .....   | 98,918                      | 54,904      | 56.6                  | 51,858   | 162                   | 51,696   | 676         | 51,020                     | 3,046      | 5.5                    | 42,014             |
| 1989 .....   | 97,798                      | 56,198      | 57.5                  | 53,195   | 168                   | 53,027   | 687         | 52,341                     | 3,003      | 5.3                    | 41,601             |
| <b>Monthly data, seasonally adjusted<sup>2</sup></b> |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| <b>1988:</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| December .....                                       | 97,306                      | 55,651      | 57.2                  | 52,692   | 162                   | 52,530   | 724         | 51,806                     | 2,959      | 5.3                    | 41,655             |
| <b>1989:</b>   |                             |             |                       |          |                       |          |             |                            |            |                        |                    |
| January .....  | 97,427                      | 56,025      | 57.5                  | 53,040   | 164                   | 52,876   | 780         | 52,096                     | 2,985      | 5.3                    | 41,402             |
| February .....                                       | 97,488                      | 55,768      | 57.2                  | 52,912   | 163                   | 52,749   | 693         | 52,056                     | 2,856      | 5.1                    | 41,720             |
| March .....  | 97,550                      | 55,829      | 57.2                  | 52,917   | 163                   | 52,754   | 690         | 52,064                     | 2,912      | 5.2                    | 41,721             |
| April .....  | 97,614                      | 56,006      | 57.4                  | 53,041   | 163                   | 52,878   | 684         | 52,194                     | 2,965      | 5.3                    | 41,608             |
| May .....  | 97,687                      | 56,082      | 57.4                  | 53,092   | 162                   | 52,930   | 672         | 52,258                     | 2,990      | 5.3                    | 41,605             |
| June .....   | 97,758                      | 56,235      | 57.5                  | 53,130   | 165                   | 52,965   | 658         | 52,307                     | 3,105      | 5.5                    | 41,523             |
| July .....   | 97,834                      | 56,313      | 57.6                  | 53,163   | 167                   | 52,996   | 678         | 52,318                     | 3,150      | 5.6                    | 41,521             |
| August .....   | 97,902                      | 56,354      | 57.6                  | 53,319   | 169                   | 53,150   | 683         | 52,467                     | 3,035      | 5.4                    | 41,548             |
| September .....                                      | 97,972                      | 56,365      | 57.5                  | 53,440   | 171                   | 53,269   | 699         | 52,570                     | 2,925      | 5.2                    | 41,607             |
| October .....  | 98,045                      | 56,258      | 57.4                  | 53,248   | 176                   | 53,072   | 684         | 52,388                     | 3,010      | 5.4                    | 41,787             |
| November .....                                       | 98,115                      | 56,557      | 57.6                  | 53,529   | 175                   | 53,354   | 683         | 52,671                     | 3,028      | 5.4                    | 41,558             |
| December .....                                       | 98,187                      | 56,521      | 57.6                  | 53,445   | 175                   | 53,270   | 662         | 52,608                     | 3,076      | 5.4                    | 41,666             |

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
HISTORICAL**

**A-3. Employment status of the civilian noninstitutional population 16 years and over, 1956 to date**

(Numbers in thousands)

| Year and month                                 | Civilian noninstitutional population | Civilian labor force |                       |          |            | Unemployment rates |     |       |
|--|--------------------------------------|----------------------|-----------------------|----------|------------|--------------------|-----|-------|
|  |                                      | Total                | Percent of population | Employed | Unemployed | Total              | Men | Women |
| Annual averages                                |                                      |                      |                       |          |            |                    |     |       |
| 1956 .....                                     | 110,954                              | 66,552               | 60.0                  | 63,799   | 2,750      | 4.1                | 3.8 | 4.8   |
| 1957 .....                                     | 112,265                              | 66,929               | 59.6                  | 64,071   | 2,859      | 4.3                | 4.1 | 4.7   |
| 1958 .....                                     | 113,727                              | 67,639               | 59.5                  | 63,036   | 4,602      | 6.8                | 6.8 | 6.8   |
| 1959 .....                                     | 115,329                              | 68,369               | 59.3                  | 64,630   | 3,740      | 5.5                | 5.2 | 5.9   |
| 1960 <sup>1</sup> .....                        | 117,245                              | 69,628               | 59.4                  | 65,778   | 3,852      | 5.5                | 5.4 | 5.9   |
| 1961 .....                                     | 118,771                              | 70,459               | 59.3                  | 65,746   | 4,714      | 6.7                | 6.4 | 7.2   |
| 1962 <sup>1</sup> .....                        | 120,153                              | 70,614               | 58.8                  | 66,702   | 3,911      | 5.5                | 5.2 | 6.2   |
| 1963 .....                                     | 122,416                              | 71,833               | 58.7                  | 67,762   | 4,070      | 5.7                | 5.2 | 6.5   |
| 1964 .....                                     | 124,485                              | 73,091               | 58.7                  | 69,305   | 3,786      | 5.2                | 4.6 | 6.2   |
| 1965 .....                                     | 126,513                              | 74,455               | 58.9                  | 71,088   | 3,366      | 4.5                | 4.0 | 5.5   |
| 1966 .....                                     | 128,058                              | 75,770               | 59.2                  | 72,895   | 2,875      | 3.8                | 3.2 | 4.8   |
| 1967 .....                                     | 129,874                              | 77,347               | 59.6                  | 74,372   | 2,975      | 3.8                | 3.1 | 5.2   |
| 1968 .....                                     | 132,028                              | 78,737               | 59.6                  | 75,920   | 2,817      | 3.6                | 2.9 | 4.8   |
| 1969 .....                                     | 134,335                              | 80,734               | 60.1                  | 77,902   | 2,832      | 3.5                | 2.8 | 4.7   |
| 1970 .....                                     | 137,085                              | 82,771               | 60.4                  | 78,678   | 4,093      | 4.9                | 4.4 | 5.9   |
| 1971 .....                                     | 140,216                              | 84,382               | 60.2                  | 79,367   | 5,016      | 5.9                | 5.3 | 6.9   |
| 1972 <sup>1</sup> .....                        | 144,126                              | 87,034               | 60.4                  | 82,153   | 4,882      | 5.6                | 5.0 | 6.6   |
| 1973 <sup>1</sup> .....                        | 147,096                              | 89,429               | 60.8                  | 85,064   | 4,365      | 4.9                | 4.2 | 6.0   |
| 1974 .....                                     | 150,120                              | 91,949               | 61.3                  | 86,794   | 5,156      | 5.6                | 4.9 | 6.7   |
| 1975 .....                                     | 153,153                              | 93,775               | 61.2                  | 85,846   | 7,929      | 8.5                | 7.9 | 9.3   |
| 1976 .....                                     | 156,150                              | 96,158               | 61.6                  | 88,752   | 7,406      | 7.7                | 7.1 | 8.6   |
| 1977 .....                                     | 159,033                              | 99,009               | 62.3                  | 92,017   | 6,991      | 7.1                | 6.3 | 8.2   |
| 1978 <sup>1</sup> .....                        | 161,910                              | 102,251              | 63.2                  | 96,048   | 6,202      | 6.1                | 5.3 | 7.2   |
| 1979 .....                                     | 164,863                              | 104,962              | 63.7                  | 98,824   | 6,137      | 5.8                | 5.1 | 6.8   |
| 1980 .....                                     | 167,745                              | 106,940              | 63.8                  | 99,303   | 7,637      | 7.1                | 6.9 | 7.4   |
| 1981 .....                                     | 170,130                              | 108,670              | 63.9                  | 100,397  | 8,273      | 7.6                | 7.4 | 7.9   |
| 1982 .....                                     | 172,271                              | 110,204              | 64.0                  | 99,526   | 10,678     | 9.7                | 9.9 | 9.4   |
| 1983 .....                                     | 174,215                              | 111,550              | 64.0                  | 100,834  | 10,717     | 9.6                | 9.9 | 9.2   |
| 1984 .....                                     | 176,383                              | 113,544              | 64.4                  | 105,005  | 8,539      | 7.5                | 7.4 | 7.6   |
| 1985 .....                                     | 178,206                              | 115,461              | 64.8                  | 107,150  | 8,312      | 7.2                | 7.0 | 7.4   |
| 1986 <sup>1</sup> .....                        | 180,587                              | 117,834              | 65.3                  | 109,597  | 8,237      | 7.0                | 6.9 | 7.1   |
| 1987 .....                                     | 182,753                              | 119,865              | 65.6                  | 112,440  | 7,425      | 6.2                | 6.2 | 6.2   |
| 1988 .....                                     | 184,613                              | 121,669              | 65.9                  | 114,968  | 6,701      | 5.5                | 5.5 | 5.6   |
| 1989 .....                                     | 186,393                              | 123,869              | 66.5                  | 117,342  | 6,528      | 5.3                | 5.2 | 5.4   |
| Monthly data, seasonally adjusted <sup>2</sup> |                                      |                      |                       |          |            |                    |     |       |
| <b>1988:</b>                                   |                                      |                      |                       |          |            |                    |     |       |
| December .....                                 | 185,402                              | 122,650              | 66.2                  | 116,141  | 6,509      | 5.3                | 5.3 | 5.3   |
| <b>1989:</b>                                   |                                      |                      |                       |          |            |                    |     |       |
| January .....                                  | 185,644                              | 123,265              | 66.4                  | 116,640  | 6,625      | 5.4                | 5.4 | 5.3   |
| February .....                                 | 185,777                              | 123,117              | 66.3                  | 116,757  | 6,360      | 5.2                | 5.2 | 5.1   |
| March .....                                    | 185,897                              | 123,245              | 66.3                  | 117,047  | 6,198      | 5.0                | 4.9 | 5.2   |
| April .....                                    | 186,024                              | 123,615              | 66.5                  | 117,084  | 6,531      | 5.3                | 5.3 | 5.3   |
| May .....                                      | 186,181                              | 123,551              | 66.4                  | 117,132  | 6,419      | 5.2                | 5.1 | 5.3   |
| June .....                                     | 186,329                              | 124,111              | 66.6                  | 117,542  | 6,569      | 5.3                | 5.1 | 5.5   |
| July .....                                     | 186,483                              | 124,013              | 66.5                  | 117,436  | 6,577      | 5.3                | 5.0 | 5.6   |
| August .....                                   | 186,598                              | 124,070              | 66.5                  | 117,550  | 6,520      | 5.3                | 5.1 | 5.4   |
| September .....                                | 186,726                              | 124,023              | 66.4                  | 117,419  | 6,604      | 5.3                | 5.4 | 5.2   |
| October .....                                  | 186,871                              | 124,148              | 66.4                  | 117,585  | 6,563      | 5.3                | 5.2 | 5.4   |
| November .....                                 | 187,017                              | 124,488              | 66.6                  | 117,836  | 6,652      | 5.3                | 5.3 | 5.4   |
| December .....                                 | 187,165                              | 124,546              | 66.5                  | 117,888  | 6,658      | 5.3                | 5.3 | 5.5   |

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

<sup>2</sup> The population figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race**

(Numbers in thousands)

| Age, sex, and race      | December 1989                        |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>TOTAL</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 187,165                              | 123,998              | 66.3                  | 117,698  | 6,300      | 5.1                    | 63,167             | 27,104        | 9,007           | 3,419          | 23,636        |
| 16 to 19 years .....    | 14,067                               | 7,424                | 52.8                  | 6,377    | 1,047      | 14.1                   | 6,644              | 448           | 5,750           | 24             | 422           |
| 16 to 17 years .....    | 6,718                                | 2,866                | 42.7                  | 2,391    | 475        | 16.6                   | 3,852              | 110           | 3,576           | 13             | 154           |
| 18 to 19 years .....    | 7,349                                | 4,557                | 62.0                  | 3,986    | 571        | 12.5                   | 2,792              | 339           | 2,174           | 12             | 267           |
| 20 to 24 years .....    | 17,856                               | 13,549               | 75.9                  | 12,451   | 1,098      | 8.1                    | 4,307              | 1,577         | 2,042           | 89             | 599           |
| 25 to 54 years .....    | 104,480                              | 87,560               | 83.8                  | 83,910   | 3,650      | 4.2                    | 16,920             | 11,493        | 1,169           | 1,379          | 2,879         |
| 25 to 34 years .....    | 42,843                               | 36,040               | 84.1                  | 34,233   | 1,807      | 5.0                    | 6,803              | 4,736         | 743             | 335            | 991           |
| 25 to 29 years .....    | 21,000                               | 17,633               | 84.0                  | 16,666   | 968        | 5.5                    | 3,368              | 2,268         | 481             | 154            | 464           |
| 30 to 34 years .....    | 21,843                               | 18,406               | 84.3                  | 17,567   | 839        | 4.6                    | 3,437              | 2,468         | 262             | 181            | 526           |
| 35 to 44 years .....    | 36,575                               | 31,274               | 85.5                  | 30,098   | 1,176      | 3.8                    | 5,301              | 3,642         | 311             | 488            | 860           |
| 35 to 39 years .....    | 19,539                               | 16,631               | 85.1                  | 15,986   | 646        | 3.9                    | 2,907              | 2,009         | 209             | 228            | 461           |
| 40 to 44 years .....    | 17,036                               | 14,642               | 85.9                  | 14,112   | 530        | 3.6                    | 2,394              | 1,632         | 102             | 260            | 399           |
| 45 to 54 years .....    | 25,062                               | 20,247               | 80.8                  | 19,580   | 667        | 3.3                    | 4,815              | 3,115         | 115             | 557            | 1,028         |
| 45 to 49 years .....    | 13,645                               | 11,414               | 83.7                  | 11,027   | 387        | 3.4                    | 2,231              | 1,469         | 74              | 240            | 448           |
| 50 to 54 years .....    | 11,418                               | 8,833                | 77.4                  | 8,553    | 280        | 3.2                    | 2,584              | 1,646         | 41              | 317            | 580           |
| 55 to 64 years .....    | 21,299                               | 12,021               | 56.4                  | 11,608   | 413        | 3.4                    | 9,278              | 4,403         | 18              | 761            | 4,097         |
| 55 to 59 years .....    | 10,598                               | 7,175                | 67.7                  | 6,898    | 277        | 3.9                    | 3,422              | 1,913         | 9               | 360            | 1,140         |
| 60 to 64 years .....    | 10,702                               | 4,846                | 45.3                  | 4,710    | 136        | 2.8                    | 5,856              | 2,489         | 9               | 401            | 2,958         |
| 65 years and over ..... | 29,462                               | 3,445                | 11.7                  | 3,352    | 93         | 2.7                    | 28,017             | 9,184         | 28              | 1,185          | 15,640        |
| 65 to 69 years .....    | 10,105                               | 2,099                | 20.8                  | 2,034    | 65         | 3.1                    | 8,008              | 2,974         | 10              | 271            | 4,751         |
| 70 to 74 years .....    | 7,854                                | 855                  | 10.9                  | 838      | 18         | 2.1                    | 8,999              | 2,483         | 3               | 203            | 4,310         |
| 75 years and over ..... | 11,502                               | 491                  | 4.3                   | 480      | 10         | 2.1                    | 11,012             | 3,727         | 15              | 692            | 6,579         |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 18 years and over ..... | 89,153                               | 87,639               | 75.9                  | 64,075   | 3,565      | 5.3                    | 21,514             | 577           | 4,538           | 1,914          | 14,484        |
| 16 to 19 years .....    | 7,098                                | 3,826                | 53.9                  | 3,213    | 613        | 16.0                   | 3,272              | 13            | 3,019           | 19             | 221           |
| 16 to 17 years .....    | 3,438                                | 1,454                | 42.3                  | 1,169    | 285        | 19.6                   | 1,984              | 8             | 1,891           | 11             | 73            |
| 18 to 19 years .....    | 3,660                                | 2,372                | 64.8                  | 2,044    | 328        | 13.8                   | 1,282              | 5             | 1,128           | 8              | 148           |
| 20 to 24 years .....    | 8,647                                | 7,158                | 82.8                  | 6,499    | 659        | 9.2                    | 1,489              | 35            | 1,046           | 82             | 346           |
| 25 to 54 years .....    | 51,103                               | 47,881               | 93.7                  | 45,919   | 1,962      | 4.1                    | 3,222              | 232           | 484             | 917            | 1,609         |
| 25 to 34 years .....    | 21,082                               | 19,863               | 94.3                  | 18,916   | 946        | 4.8                    | 1,199              | 91            | 356             | 234            | 518           |
| 25 to 29 years .....    | 10,297                               | 9,630                | 93.5                  | 9,115    | 515        | 5.3                    | 668                | 47            | 256             | 117            | 247           |
| 30 to 34 years .....    | 10,765                               | 10,233               | 95.1                  | 9,802    | 431        | 4.2                    | 532                | 43            | 100             | 117            | 272           |
| 35 to 44 years .....    | 17,891                               | 16,925               | 94.6                  | 16,299   | 627        | 3.7                    | 966                | 87            | 71              | 323            | 485           |
| 35 to 39 years .....    | 9,597                                | 9,086                | 94.7                  | 8,731    | 355        | 3.9                    | 511                | 46            | 53              | 151            | 262           |
| 40 to 44 years .....    | 8,294                                | 7,840                | 94.5                  | 7,566    | 271        | 3.5                    | 455                | 41            | 18              | 172            | 223           |
| 45 to 54 years .....    | 12,150                               | 11,093               | 91.3                  | 10,704   | 389        | 3.5                    | 1,057              | 54            | 37              | 360            | 805           |
| 45 to 49 years .....    | 6,638                                | 6,155                | 92.7                  | 5,927    | 227        | 3.7                    | 483                | 32            | 30              | 158            | 263           |
| 50 to 54 years .....    | 5,512                                | 4,938                | 89.6                  | 4,776    | 162        | 3.3                    | 574                | 22            | 7               | 202            | 342           |
| 55 to 64 years .....    | 10,047                               | 6,772                | 67.4                  | 6,492    | 280        | 4.1                    | 3,275              | 61            | 6               | 479            | 2,730         |
| 55 to 59 years .....    | 5,055                                | 4,053                | 80.2                  | 3,866    | 188        | 4.6                    | 1,002              | 27            | 1               | 228            | 745           |
| 60 to 64 years .....    | 4,992                                | 2,719                | 54.5                  | 2,627    | 92         | 3.4                    | 2,273              | 34            | 4               | 250            | 1,985         |
| 65 years and over ..... | 12,258                               | 2,002                | 18.3                  | 1,952    | 51         | 2.5                    | 10,255             | 235           | 4               | 438            | 9,578         |
| 65 to 69 years .....    | 4,584                                | 1,212                | 26.4                  | 1,178    | 34         | 2.8                    | 3,372              | 70            | 3               | 137            | 3,162         |
| 70 to 74 years .....    | 3,413                                | 490                  | 14.3                  | 479      | 11         | 2.2                    | 2,923              | 65            | -               | 92             | 2,765         |
| 75 years and over ..... | 4,261                                | 300                  | 7.1                   | 294      | 6          | 2.0                    | 3,961              | 101           | 1               | 208            | 3,651         |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 18 years and over ..... | 98,012                               | 56,359               | 57.5                  | 53,623   | 2,735      | 4.9                    | 41,653             | 26,528        | 4,469           | 1,505          | 9,152         |
| 16 to 19 years .....    | 6,969                                | 3,598                | 51.6                  | 3,164    | 434        | 12.1                   | 3,371              | 435           | 2,730           | 5              | 200           |
| 16 to 17 years .....    | 3,281                                | 1,412                | 43.0                  | 1,222    | 191        | 13.5                   | 1,888              | 101           | 1,685           | 1              | 81            |
| 18 to 19 years .....    | 3,688                                | 2,186                | 59.3                  | 1,942    | 243        | 11.1                   | 1,503              | 334           | 1,048           | 4              | 119           |
| 20 to 24 years .....    | 9,208                                | 6,390                | 69.4                  | 5,952    | 439        | 6.9                    | 2,818              | 1,542         | 996             | 27             | 253           |
| 25 to 54 years .....    | 53,377                               | 39,679               | 74.3                  | 37,991   | 1,688      | 4.3                    | 13,698             | 11,261        | 705             | 463            | 1,270         |
| 25 to 34 years .....    | 21,781                               | 16,177               | 74.3                  | 15,316   | 861        | 5.3                    | 5,804              | 4,645         | 387             | 101            | 472           |
| 25 to 29 years .....    | 10,702                               | 8,004                | 74.8                  | 7,551    | 452        | 5.7                    | 2,699              | 2,220         | 224             | 37             | 218           |
| 30 to 34 years .....    | 11,079                               | 8,173                | 73.8                  | 7,765    | 408        | 5.0                    | 2,905              | 2,425         | 162             | 64             | 254           |
| 35 to 44 years .....    | 18,684                               | 14,348               | 76.8                  | 13,799   | 549        | 3.8                    | 4,336              | 3,555         | 241             | 165            | 375           |
| 35 to 39 years .....    | 9,942                                | 7,546                | 75.9                  | 7,255    | 291        | 3.8                    | 2,396              | 1,964         | 156             | 77             | 199           |
| 40 to 44 years .....    | 8,742                                | 6,802                | 77.8                  | 6,543    | 259        | 3.8                    | 1,940              | 1,591         | 85              | 88             | 176           |
| 45 to 54 years .....    | 12,913                               | 9,154                | 70.9                  | 8,877    | 278        | 3.0                    | 3,758              | 3,061         | 78              | 197            | 422           |
| 45 to 49 years .....    | 7,007                                | 5,259                | 75.1                  | 5,100    | 159        | 3.0                    | 1,748              | 1,437         | 44              | 82             | 185           |
| 50 to 54 years .....    | 5,906                                | 3,895                | 66.0                  | 3,777    | 118        | 3.0                    | 2,011              | 1,624         | 34              | 115            | 238           |
| 55 to 64 years .....    | 11,252                               | 5,249                | 46.6                  | 5,116    | 133        | 2.5                    | 6,003              | 4,342         | 12              | 282            | 1,367         |
| 55 to 59 years .....    | 5,543                                | 3,122                | 56.3                  | 3,033    | 89         | 2.9                    | 2,421              | 1,886         | 8               | 132            | 394           |
| 60 to 64 years .....    | 5,710                                | 2,127                | 37.3                  | 2,083    | 44         | 2.0                    | 3,583              | 2,455         | 4               | 150            | 973           |
| 65 years and over ..... | 17,205                               | 1,443                | 8.4                   | 1,400    | 42         | 2.9                    | 15,762             | 8,948         | 25              | 727            | 6,062         |
| 65 to 69 years .....    | 5,522                                | 887                  | 16.1                  | 856      | 31         | 3.5                    | 4,635              | 2,904         | 8               | 133            | 1,589         |
| 70 to 74 years .....    | 4,442                                | 366                  | 8.2                   | 359      | 7          | 1.8                    | 4,076              | 2,418         | 3               | 111            | 1,545         |
| 75 years and over ..... | 7,241                                | 190                  | 2.6                   | 186      | 4          | 2.3                    | 7,051              | 3,626         | 14              | 483            | 2,928         |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

| Age, sex, and race      | December 1989                        |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>WHITE</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 159,832                              | 106,406              | 66.6                  | 101,793  | 4,613      | 4.3                    | 53,426             | 23,393        | 6,984           | 2,536          | 20,512        |
| 16 to 19 years .....    | 11,346                               | 6,277                | 55.3                  | 5,518    | 759        | 12.1                   | 5,089              | 343           | 4,406           | 20             | 301           |
| 16 to 17 years .....    | 5,372                                | 2,471                | 46.0                  | 2,115    | 356        | 14.4                   | 2,901              | 82            | 2,698           | 11             | 110           |
| 18 to 19 years .....    | 5,974                                | 3,806                | 63.7                  | 3,403    | 403        | 10.6                   | 2,166              | 260           | 1,707           | 9              | 191           |
| 20 to 24 years .....    | 14,754                               | 11,420               | 77.4                  | 10,641   | 779        | 6.8                    | 3,334              | 1,228         | 1,644           | 61             | 400           |
| 25 to 54 years .....    | 88,693                               | 74,956               | 84.5                  | 72,294   | 2,661      | 3.6                    | 13,737             | 9,659         | 901             | 977            | 2,200         |
| 25 to 34 years .....    | 35,904                               | 30,507               | 85.0                  | 29,257   | 1,250      | 4.1                    | 5,396              | 3,881         | 571             | 220            | 725           |
| 25 to 29 years .....    | 17,561                               | 14,927               | 85.0                  | 14,258   | 669        | 4.5                    | 2,634              | 1,817         | 368             | 106            | 343           |
| 30 to 34 years .....    | 18,343                               | 15,580               | 84.9                  | 14,999   | 581        | 3.7                    | 2,762              | 2,064         | 203             | 114            | 382           |
| 35 to 44 years .....    | 31,253                               | 26,898               | 86.1                  | 26,030   | 868        | 3.2                    | 4,355              | 3,093         | 248             | 350            | 684           |
| 35 to 39 years .....    | 16,589                               | 14,228               | 85.8                  | 13,782   | 446        | 3.1                    | 2,362              | 1,715         | 162             | 160            | 326           |
| 40 to 44 years .....    | 14,664                               | 12,670               | 86.4                  | 12,248   | 422        | 3.3                    | 1,994              | 1,379         | 87              | 190            | 338           |
| 45 to 54 years .....    | 21,536                               | 17,551               | 81.5                  | 17,007   | 543        | 3.1                    | 3,985              | 2,686         | 82              | 407            | 812           |
| 45 to 49 years .....    | 11,750                               | 9,909                | 84.3                  | 9,607    | 302        | 3.1                    | 1,642              | 1,280         | 55              | 180            | 346           |
| 50 to 54 years .....    | 9,785                                | 7,642                | 78.1                  | 7,401    | 241        | 3.2                    | 2,144              | 1,425         | 26              | 226            | 466           |
| 55 to 64 years .....    | 18,637                               | 10,624               | 57.0                  | 10,288   | 336        | 3.2                    | 8,013              | 3,876         | 16              | 554            | 3,567         |
| 55 to 59 years .....    | 9,203                                | 6,311                | 68.6                  | 6,085    | 226        | 3.6                    | 2,892              | 1,667         | 9               | 264            | 952           |
| 60 to 64 years .....    | 9,433                                | 4,313                | 45.7                  | 4,203    | 110        | 2.5                    | 5,121              | 2,209         | 7               | 290            | 2,614         |
| 65 years and over ..... | 26,403                               | 3,130                | 11.9                  | 3,052    | 78         | 2.5                    | 23,273             | 8,287         | 17              | 924            | 14,045        |
| 65 to 69 years .....    | 8,947                                | 1,907                | 21.3                  | 1,850    | 57         | 3.0                    | 7,040              | 2,633         | 9               | 209            | 4,190         |
| 70 to 74 years .....    | 7,055                                | 775                  | 11.0                  | 764      | 11         | 1.5                    | 6,279              | 2,245         | 3               | 169            | 3,863         |
| 75 years and over ..... | 10,401                               | 448                  | 4.3                   | 438      | 10         | 2.2                    | 9,953              | 3,408         | 6               | 547            | 5,993         |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 76,729                               | 58,775               | 76.6                  | 56,106   | 2,669      | 4.5                    | 17,953             | 440           | 3,513           | 1,427          | 12,573        |
| 16 to 19 years .....    | 5,725                                | 3,220                | 56.2                  | 2,768    | 451        | 14.0                   | 2,506              | 10            | 2,322           | 15             | 159           |
| 16 to 17 years .....    | 2,748                                | 1,239                | 45.1                  | 1,025    | 214        | 17.3                   | 1,509              | 5             | 1,438           | 9              | 57            |
| 18 to 19 years .....    | 2,977                                | 1,981                | 66.5                  | 1,743    | 237        | 12.0                   | 996                | 5             | 884             | 6              | 101           |
| 20 to 24 years .....    | 7,218                                | 6,070                | 84.1                  | 5,599    | 471        | 7.8                    | 1,147              | 20            | 848             | 42             | 237           |
| 25 to 54 years .....    | 43,924                               | 41,577               | 94.7                  | 40,094   | 1,482      | 3.6                    | 2,347              | 155           | 335             | 666            | 1,191         |
| 25 to 34 years .....    | 17,882                               | 17,037               | 95.3                  | 16,363   | 674        | 4.0                    | 846                | 51            | 267             | 155            | 373           |
| 25 to 29 years .....    | 8,713                                | 8,230                | 94.5                  | 7,860    | 370        | 4.5                    | 483                | 28            | 195             | 81             | 180           |
| 30 to 34 years .....    | 9,169                                | 8,807                | 96.0                  | 8,503    | 304        | 3.5                    | 362                | 24            | 72              | 74             | 193           |
| 35 to 44 years .....    | 15,484                               | 14,790               | 95.5                  | 14,308   | 482        | 3.3                    | 694                | 63            | 43              | 237            | 351           |
| 35 to 39 years .....    | 8,249                                | 7,910                | 95.9                  | 7,649    | 261        | 3.3                    | 339                | 33            | 31              | 106            | 169           |
| 40 to 44 years .....    | 7,236                                | 6,880                | 95.1                  | 6,658    | 221        | 3.2                    | 356                | 30            | 12              | 131            | 183           |
| 45 to 54 years .....    | 10,557                               | 9,750                | 92.4                  | 9,424    | 326        | 3.3                    | 807                | 41            | 25              | 274            | 467           |
| 45 to 49 years .....    | 5,776                                | 5,403                | 93.5                  | 5,222    | 181        | 3.3                    | 373                | 26            | 22              | 127            | 199           |
| 50 to 54 years .....    | 4,781                                | 4,348                | 90.9                  | 4,202    | 146        | 3.4                    | 433                | 15            | 3               | 147            | 268           |
| 55 to 64 years .....    | 8,858                                | 6,066                | 68.5                  | 5,844    | 222        | 3.7                    | 2,792              | 54            | 5               | 348            | 2,385         |
| 55 to 59 years .....    | 4,421                                | 3,611                | 81.7                  | 3,462    | 150        | 4.1                    | 810                | 24            | 1               | 183            | 622           |
| 60 to 64 years .....    | 4,437                                | 2,455                | 55.3                  | 2,382    | 72         | 2.9                    | 1,982              | 30            | 4               | 185            | 1,764         |
| 65 years and over ..... | 11,004                               | 1,842                | 16.7                  | 1,800    | 43         | 2.3                    | 9,161              | 201           | 2               | 357            | 8,601         |
| 65 to 69 years .....    | 4,088                                | 1,115                | 27.3                  | 1,082    | 32         | 2.9                    | 2,973              | 53            | 3               | 112            | 2,807         |
| 70 to 74 years .....    | 3,071                                | 451                  | 14.7                  | 446      | 5          | 1.1                    | 2,620              | 56            | -               | 76             | 2,488         |
| 75 years and over ..... | 3,845                                | 277                  | 7.2                   | 271      | 5          | 2.0                    | 3,568              | 92            | -               | 169            | 3,307         |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 83,104                               | 47,631               | 57.3                  | 45,687   | 1,944      | 4.1                    | 35,473             | 22,954        | 3,471           | 1,109          | 7,939         |
| 16 to 19 years .....    | 5,621                                | 3,057                | 54.4                  | 2,750    | 307        | 10.1                   | 2,564              | 333           | 2,083           | 5              | 143           |
| 16 to 17 years .....    | 2,624                                | 1,232                | 46.9                  | 1,090    | 142        | 11.5                   | 1,392              | 78            | 1,260           | 1              | 53            |
| 18 to 19 years .....    | 2,997                                | 1,825                | 60.9                  | 1,660    | 166        | 9.1                    | 1,172              | 256           | 823             | 3              | 90            |
| 20 to 24 years .....    | 7,536                                | 5,350                | 71.0                  | 5,042    | 308        | 5.8                    | 2,187              | 1,208         | 796             | 19             | 163           |
| 25 to 54 years .....    | 44,769                               | 33,379               | 74.6                  | 32,200   | 1,179      | 3.5                    | 11,390             | 9,504         | 566             | 311            | 1,009         |
| 25 to 34 years .....    | 18,021                               | 13,470               | 74.7                  | 12,894   | 576        | 4.3                    | 4,551              | 3,829         | 304             | 65             | 352           |
| 25 to 29 years .....    | 8,848                                | 6,697                | 75.7                  | 6,398    | 299        | 4.5                    | 2,151              | 1,789         | 173             | 26             | 163           |
| 30 to 34 years .....    | 9,173                                | 6,773                | 73.8                  | 6,496    | 277        | 4.1                    | 2,400              | 2,040         | 131             | 40             | 189           |
| 35 to 44 years .....    | 15,769                               | 12,108               | 76.8                  | 11,722   | 386        | 3.2                    | 3,661              | 3,030         | 205             | 113            | 312           |
| 35 to 39 years .....    | 8,341                                | 6,318                | 75.7                  | 6,133    | 185        | 2.9                    | 2,023              | 1,681         | 131             | 54             | 157           |
| 40 to 44 years .....    | 7,429                                | 5,791                | 78.0                  | 5,590    | 201        | 3.5                    | 1,638              | 1,349         | 74              | 59             | 155           |
| 45 to 54 years .....    | 10,979                               | 7,800                | 71.0                  | 7,583    | 217        | 2.8                    | 3,178              | 2,645         | 57              | 133            | 345           |
| 45 to 49 years .....    | 5,974                                | 4,506                | 75.4                  | 4,385    | 122        | 2.7                    | 1,468              | 1,234         | 34              | 54             | 147           |
| 50 to 54 years .....    | 5,004                                | 3,294                | 65.8                  | 3,199    | 95         | 2.9                    | 1,710              | 1,410         | 23              | 79             | 198           |
| 55 to 64 years .....    | 9,779                                | 4,558                | 46.6                  | 4,443    | 114        | 2.5                    | 5,221              | 3,822         | 11              | 207            | 1,181         |
| 55 to 59 years .....    | 4,782                                | 2,700                | 56.5                  | 2,623    | 77         | 2.8                    | 2,082              | 1,643         | 8               | 101            | 331           |
| 60 to 64 years .....    | 4,997                                | 1,858                | 37.2                  | 1,820    | 38         | 2.0                    | 3,139              | 2,180         | 3               | 106            | 851           |
| 65 years and over ..... | 15,399                               | 1,288                | 8.4                   | 1,252    | 35         | 2.7                    | 14,111             | 8,086         | 15              | 567            | 5,444         |
| 65 to 69 years .....    | 4,859                                | 792                  | 16.3                  | 768      | 24         | 3.1                    | 4,067              | 2,581         | 6               | 97             | 1,383         |
| 70 to 74 years .....    | 3,984                                | 324                  | 8.1                   | 318      | 7          | 2.1                    | 3,660              | 2,189         | 3               | 92             | 1,375         |
| 75 years and over ..... | 6,556                                | 171                  | 2.6                   | 167      | 4          | 2.6                    | 6,385              | 3,316         | 6               | 377            | 2,686         |

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

| Age, sex, and race      | December 1989                        |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>BLACK</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 21,164                               | 13,487               | 63.7                  | 11,989   | 1,498      | 11.1                   | 7,677              | 2,825         | 1,475           | 810            | 2,567         |
| 16 to 19 years .....    | 2,166                                | 912                  | 42.1                  | 655      | 257        | 28.1                   | 1,254              | 89            | 1,052           | 4              | 109           |
| 16 to 17 years .....    | 1,076                                | 312                  | 29.0                  | 209      | 103        | 33.1                   | 764                | 19            | 703             | 2              | 39            |
| 18 to 19 years .....    | 1,090                                | 600                  | 55.0                  | 447      | 153        | 25.5                   | 490                | 70            | 349             | 2              | 69            |
| 20 to 24 years .....    | 2,455                                | 1,706                | 69.5                  | 1,407    | 303        | 17.7                   | 749                | 287           | 265             | 24             | 173           |
| 25 to 54 years .....    | 11,931                               | 9,544                | 80.0                  | 8,686    | 859        | 9.0                    | 2,387              | 1,320         | 147             | 354            | 566           |
| 25 to 34 years .....    | 5,335                                | 4,298                | 80.6                  | 3,806    | 493        | 11.5                   | 1,036              | 611           | 94              | 102            | 230           |
| 25 to 29 years .....    | 2,678                                | 2,141                | 79.9                  | 1,874    | 267        | 12.5                   | 537                | 325           | 57              | 43             | 112           |
| 30 to 34 years .....    | 2,657                                | 2,158                | 81.2                  | 1,932    | 226        | 10.5                   | 499                | 286           | 36              | 59             | 118           |
| 35 to 44 years .....    | 3,979                                | 3,273                | 82.2                  | 3,011    | 262        | 8.0                    | 706                | 377           | 37              | 119            | 173           |
| 35 to 39 years .....    | 2,236                                | 1,828                | 81.8                  | 1,658    | 170        | 9.3                    | 408                | 203           | 29              | 58             | 118           |
| 40 to 44 years .....    | 1,743                                | 1,445                | 82.9                  | 1,353    | 92         | 6.4                    | 299                | 174           | 9               | 61             | 55            |
| 45 to 54 years .....    | 2,618                                | 1,973                | 75.4                  | 1,869    | 104        | 5.3                    | 644                | 333           | 16              | 133            | 163           |
| 45 to 49 years .....    | 1,388                                | 1,088                | 78.4                  | 1,022    | 66         | 6.1                    | 300                | 189           | 5               | 48             | 78            |
| 50 to 54 years .....    | 1,230                                | 885                  | 72.0                  | 848      | 38         | 4.3                    | 344                | 164           | 11              | 84             | 85            |
| 55 to 64 years .....    | 2,130                                | 1,077                | 50.5                  | 1,007    | 69         | 6.4                    | 1,054              | 420           | 2               | 196            | 436           |
| 55 to 59 years .....    | 1,105                                | 666                  | 60.2                  | 617      | 48         | 7.3                    | 439                | 203           | -               | 88             | 149           |
| 60 to 64 years .....    | 1,025                                | 411                  | 40.1                  | 390      | 21         | 5.1                    | 614                | 217           | 2               | 108            | 287           |
| 65 years and over ..... | 2,481                                | 248                  | 10.0                  | 237      | 11         | 4.4                    | 2,233              | 709           | 10              | 231            | 1,283         |
| 65 to 69 years .....    | 940                                  | 143                  | 15.3                  | 139      | 4          | 2.8                    | 797                | 273           | 2               | 62             | 460           |
| 70 years and over ..... | 1,541                                | 104                  | 6.8                   | 97       | 7          | 6.6                    | 1,436              | 436           | 8               | 169            | 824           |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 9,505                                | 6,682                | 70.3                  | 5,893    | 790        | 11.8                   | 2,823              | 104           | 703             | 440            | 1,575         |
| 16 to 19 years .....    | 1,071                                | 476                  | 44.5                  | 338      | 138        | 29.0                   | 595                | 3             | 531             | 4              | 56            |
| 16 to 17 years .....    | 544                                  | 171                  | 31.4                  | 110      | 61         | 35.6                   | 373                | 4             | 354             | 2              | 13            |
| 18 to 19 years .....    | 527                                  | 305                  | 57.9                  | 228      | 77         | 25.3                   | 222                | -             | 177             | 2              | 43            |
| 20 to 24 years .....    | 1,116                                | 872                  | 78.2                  | 691      | 181        | 20.7                   | 244                | 12            | 123             | 16             | 93            |
| 25 to 54 years .....    | 5,354                                | 4,673                | 87.3                  | 4,260    | 413        | 8.8                    | 681                | 64            | 49              | 221            | 347           |
| 25 to 34 years .....    | 2,418                                | 2,155                | 89.1                  | 1,917    | 238        | 11.0                   | 264                | 35            | 36              | 71             | 122           |
| 25 to 29 years .....    | 1,214                                | 1,081                | 89.1                  | 954      | 127        | 11.7                   | 133                | 19            | 23              | 32             | 59            |
| 30 to 34 years .....    | 1,204                                | 1,074                | 89.1                  | 963      | 111        | 10.3                   | 131                | 16            | 13              | 39             | 63            |
| 35 to 44 years .....    | 1,776                                | 1,550                | 87.3                  | 1,427    | 123        | 7.9                    | 226                | 20            | 12              | 75             | 120           |
| 35 to 39 years .....    | 999                                  | 860                  | 86.1                  | 780      | 80         | 9.3                    | 139                | 10            | 9               | 38             | 82            |
| 40 to 44 years .....    | 777                                  | 690                  | 88.8                  | 648      | 43         | 6.2                    | 87                 | 9             | 3               | 38             | 37            |
| 45 to 54 years .....    | 1,160                                | 968                  | 83.5                  | 915      | 53         | 5.5                    | 191                | 10            | 1               | 75             | 106           |
| 45 to 49 years .....    | 613                                  | 535                  | 87.2                  | 497      | 38         | 7.0                    | 78                 | 5             | 1               | 24             | 48            |
| 50 to 54 years .....    | 547                                  | 434                  | 79.3                  | 418      | 15         | 3.5                    | 113                | 4             | -               | 51             | 58            |
| 55 to 64 years .....    | 962                                  | 543                  | 56.5                  | 492      | 51         | 9.4                    | 419                | 8             | -               | 122            | 289           |
| 55 to 59 years .....    | 500                                  | 338                  | 67.6                  | 303      | 35         | 10.5                   | 162                | 3             | -               | 59             | 100           |
| 60 to 64 years .....    | 462                                  | 205                  | 44.4                  | 190      | 16         | 7.7                    | 257                | 4             | -               | 63             | 190           |
| 65 years and over ..... | 1,001                                | 117                  | 11.7                  | 111      | 6          | 5.3                    | 884                | 18            | -               | 77             | 789           |
| 65 to 69 years .....    | 396                                  | 66                   | 16.7                  | 67       | -          | ( <sup>1</sup> )       | 330                | 5             | -               | 26             | 299           |
| 70 years and over ..... | 605                                  | 51                   | 8.4                   | 44       | 7          | ( <sup>1</sup> )       | 554                | 13            | -               | 51             | 491           |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 11,659                               | 6,804                | 58.4                  | 6,096    | 708        | 10.4                   | 4,854              | 2,721         | 772             | 370            | 992           |
| 16 to 19 years .....    | 1,095                                | 436                  | 39.8                  | 317      | 118        | 27.2                   | 659                | 86            | 521             | 1              | 52            |
| 16 to 17 years .....    | 531                                  | 141                  | 26.5                  | 98       | 42         | 30.2                   | 391                | 15            | 349             | -              | 26            |
| 18 to 19 years .....    | 564                                  | 295                  | 52.3                  | 219      | 76         | 25.8                   | 269                | 70            | 171             | 1              | 26            |
| 20 to 24 years .....    | 1,339                                | 834                  | 62.3                  | 712      | 122        | 14.6                   | 505                | 275           | 142             | 8              | 80            |
| 25 to 54 years .....    | 6,577                                | 4,871                | 74.1                  | 4,426    | 445        | 9.1                    | 1,706              | 1,256         | 98              | 132            | 219           |
| 25 to 34 years .....    | 2,916                                | 2,144                | 73.5                  | 1,889    | 255        | 11.9                   | 773                | 576           | 57              | 31             | 108           |
| 25 to 29 years .....    | 1,464                                | 1,060                | 72.4                  | 920      | 140        | 13.2                   | 404                | 306           | 35              | 11             | 53            |
| 30 to 34 years .....    | 1,453                                | 1,084                | 74.6                  | 969      | 115        | 10.7                   | 368                | 270           | 23              | 20             | 55            |
| 35 to 44 years .....    | 2,203                                | 1,723                | 78.2                  | 1,583    | 139        | 8.1                    | 480                | 357           | 26              | 44             | 54            |
| 35 to 39 years .....    | 1,237                                | 968                  | 78.3                  | 878      | 90         | 9.3                    | 269                | 192           | 20              | 21             | 36            |
| 40 to 44 years .....    | 966                                  | 755                  | 78.1                  | 705      | 49         | 6.5                    | 211                | 165           | 6               | 23             | 18            |
| 45 to 54 years .....    | 1,458                                | 1,005                | 68.9                  | 954      | 51         | 5.1                    | 453                | 323           | 15              | 58             | 57            |
| 45 to 49 years .....    | 775                                  | 553                  | 71.4                  | 524      | 28         | 5.1                    | 222                | 183           | 4               | 24             | 30            |
| 50 to 54 years .....    | 683                                  | 452                  | 66.1                  | 429      | 22         | 5.0                    | 231                | 159           | 11              | 34             | 27            |
| 55 to 64 years .....    | 1,168                                | 533                  | 45.7                  | 515      | 18         | 3.4                    | 635                | 412           | 2               | 74             | 147           |
| 55 to 59 years .....    | 605                                  | 328                  | 54.2                  | 315      | 13         | 3.9                    | 277                | 200           | -               | 29             | 49            |
| 60 to 64 years .....    | 563                                  | 206                  | 36.5                  | 200      | 5          | 2.5                    | 358                | 213           | 2               | 45             | 98            |
| 65 years and over ..... | 1,480                                | 130                  | 8.8                   | 126      | 5          | 3.6                    | 1,349              | 691           | 10              | 154            | 494           |
| 65 to 69 years .....    | 544                                  | 77                   | 14.2                  | 72       | 5          | 6.0                    | 467                | 268           | 2               | 36             | 161           |
| 70 years and over ..... | 936                                  | 53                   | 5.7                   | 53       | -          | ( <sup>1</sup> )       | 882                | 423           | 8               | 118            | 333           |

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex**

(Numbers in thousands)

| Age and sex             | December 1989                        |                      |                       |          |             |                            |            |                        | Not in labor force |  |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|--|
|                         | Civilian noninstitutional population | Civilian labor force |                       |          |             |                            |            | Percent of labor force |                    |  |
|                         |                                      | Total                | Percent of population | Employed |             |                            | Unemployed |                        |                    |  |
|                         |                                      |                      |                       | Total    | Agriculture | Nonagricultural industries | Number     |                        |                    |  |
| <b>TOTAL</b>            |                                      |                      |                       |          |             |                            |            |                        |                    |  |
| 16 years and over ..... | 27,332                               | 17,592               | 64.4                  | 15,905   | 195         | 15,710                     | 1,687      | 9.6                    | 9,741              |  |
| 16 to 19 years .....    | 2,721                                | 1,147                | 42.1                  | 859      | 4           | 855                        | 288        | 25.1                   | 1,574              |  |
| 16 to 17 years .....    | 1,346                                | 396                  | 29.4                  | 276      | 4           | 272                        | 120        | 30.3                   | 951                |  |
| 18 to 19 years .....    | 1,375                                | 751                  | 54.6                  | 583      | -           | 583                        | 168        | 22.4                   | 624                |  |
| 20 to 24 years .....    | 3,102                                | 2,128                | 68.6                  | 1,810    | 20          | 1,790                      | 319        | 15.0                   | 973                |  |
| 25 to 54 years .....    | 15,787                               | 12,605               | 79.8                  | 11,616   | 134         | 11,482                     | 988        | 7.8                    | 3,183              |  |
| 25 to 34 years .....    | 6,939                                | 5,532                | 79.7                  | 4,975    | 51          | 4,924                      | 557        | 10.1                   | 1,407              |  |
| 25 to 29 years .....    | 3,439                                | 2,706                | 78.7                  | 2,408    | 24          | 2,384                      | 299        | 11.0                   | 732                |  |
| 30 to 34 years .....    | 3,501                                | 2,826                | 80.7                  | 2,568    | 27          | 2,540                      | 258        | 9.1                    | 675                |  |
| 35 to 44 years .....    | 5,322                                | 4,376                | 82.2                  | 4,068    | 43          | 4,025                      | 308        | 7.0                    | 946                |  |
| 35 to 39 years .....    | 2,949                                | 2,404                | 81.5                  | 2,204    | 23          | 2,181                      | 200        | 8.3                    | 546                |  |
| 40 to 44 years .....    | 2,372                                | 1,972                | 83.1                  | 1,864    | 20          | 1,844                      | 108        | 5.5                    | 400                |  |
| 45 to 54 years .....    | 3,526                                | 2,696                | 76.5                  | 2,573    | 40          | 2,533                      | 123        | 4.6                    | 830                |  |
| 45 to 49 years .....    | 1,894                                | 1,505                | 79.4                  | 1,420    | 30          | 1,391                      | 84         | 5.6                    | 389                |  |
| 50 to 54 years .....    | 1,632                                | 1,192                | 73.0                  | 1,153    | 10          | 1,142                      | 39         | 3.3                    | 441                |  |
| 55 to 64 years .....    | 2,663                                | 1,397                | 52.5                  | 1,321    | 30          | 1,290                      | 77         | 5.5                    | 1,265              |  |
| 55 to 59 years .....    | 1,394                                | 864                  | 62.0                  | 813      | 13          | 800                        | 51         | 5.9                    | 530                |  |
| 60 to 64 years .....    | 1,268                                | 533                  | 42.0                  | 507      | 17          | 490                        | 26         | 4.8                    | 735                |  |
| 65 years and over ..... | 3,059                                | 315                  | 10.3                  | 300      | 7           | 293                        | 15         | 4.8                    | 2,745              |  |
| 65 to 69 years .....    | 1,158                                | 192                  | 16.6                  | 184      | 2           | 182                        | 9          | 4.4                    | 966                |  |
| 70 to 74 years .....    | 800                                  | 80                   | 10.0                  | 74       | 5           | 69                         | 6          | 7.7                    | 720                |  |
| 75 years and over ..... | 1,102                                | 43                   | 3.9                   | 42       | -           | 42                         | -          | ( <sup>1</sup> )       | 1,059              |  |
| <b>Men</b>              |                                      |                      |                       |          |             |                            |            |                        |                    |  |
| 16 years and over ..... | 12,425                               | 8,864                | 71.3                  | 7,968    | 166         | 7,802                      | 896        | 10.1                   | 3,560              |  |
| 16 to 19 years .....    | 1,373                                | 606                  | 44.1                  | 444      | 2           | 443                        | 162        | 26.7                   | 767                |  |
| 16 to 17 years .....    | 689                                  | 215                  | 31.2                  | 144      | 2           | 142                        | 71         | 33.0                   | 474                |  |
| 18 to 19 years .....    | 683                                  | 391                  | 57.2                  | 300      | -           | 300                        | 91         | 23.2                   | 292                |  |
| 20 to 24 years .....    | 1,429                                | 1,088                | 76.1                  | 900      | 20          | 880                        | 188        | 17.3                   | 341                |  |
| 25 to 54 years .....    | 7,179                                | 6,304                | 87.8                  | 5,824    | 115         | 5,710                      | 480        | 7.6                    | 875                |  |
| 25 to 34 years .....    | 3,180                                | 2,826                | 88.9                  | 2,554    | 41          | 2,513                      | 272        | 9.6                    | 354                |  |
| 25 to 29 years .....    | 1,584                                | 1,400                | 88.4                  | 1,255    | 18          | 1,236                      | 145        | 10.4                   | 184                |  |
| 30 to 34 years .....    | 1,595                                | 1,426                | 89.4                  | 1,299    | 23          | 1,276                      | 127        | 8.9                    | 169                |  |
| 35 to 44 years .....    | 2,407                                | 2,136                | 88.7                  | 1,991    | 41          | 1,950                      | 144        | 6.8                    | 271                |  |
| 35 to 39 years .....    | 1,348                                | 1,176                | 87.2                  | 1,081    | 22          | 1,059                      | 94         | 8.0                    | 173                |  |
| 40 to 44 years .....    | 1,059                                | 960                  | 90.7                  | 910      | 19          | 891                        | 50         | 5.2                    | 99                 |  |
| 45 to 54 years .....    | 1,592                                | 1,343                | 84.3                  | 1,280    | 33          | 1,247                      | 63         | 4.7                    | 250                |  |
| 45 to 49 years .....    | 862                                  | 752                  | 87.3                  | 705      | 23          | 683                        | 47         | 6.2                    | 110                |  |
| 50 to 54 years .....    | 731                                  | 590                  | 80.8                  | 574      | 10          | 564                        | 16         | 2.7                    | 140                |  |
| 55 to 64 years .....    | 1,189                                | 706                  | 59.4                  | 648      | 27          | 620                        | 58         | 8.2                    | 483                |  |
| 55 to 59 years .....    | 634                                  | 442                  | 69.7                  | 404      | 12          | 392                        | 38         | 8.6                    | 192                |  |
| 60 to 64 years .....    | 556                                  | 264                  | 47.5                  | 244      | 16          | 228                        | 20         | 7.6                    | 291                |  |
| 65 years and over ..... | 1,254                                | 160                  | 12.8                  | 152      | 3           | 149                        | 8          | 5.1                    | 1,094              |  |
| 65 to 69 years .....    | 496                                  | 98                   | 19.7                  | 96       | 1           | 95                         | 2          | 1.5                    | 398                |  |
| 70 to 74 years .....    | 342                                  | 39                   | 11.3                  | 32       | 1           | 31                         | 6          | ( <sup>1</sup> )       | 303                |  |
| 75 years and over ..... | 416                                  | 24                   | 5.7                   | 23       | -           | 23                         | 1          | ( <sup>1</sup> )       | 393                |  |
| <b>Women</b>            |                                      |                      |                       |          |             |                            |            |                        |                    |  |
| 16 years and over ..... | 14,908                               | 8,728                | 58.5                  | 7,936    | 28          | 7,908                      | 791        | 9.1                    | 6,180              |  |
| 16 to 19 years .....    | 1,348                                | 541                  | 40.1                  | 414      | 2           | 413                        | 126        | 23.4                   | 808                |  |
| 16 to 17 years .....    | 657                                  | 181                  | 27.5                  | 132      | 2           | 130                        | 49         | 27.0                   | 476                |  |
| 18 to 19 years .....    | 691                                  | 360                  | 52.1                  | 283      | -           | 283                        | 78         | 21.5                   | 331                |  |
| 20 to 24 years .....    | 1,672                                | 1,040                | 62.2                  | 910      | -           | 910                        | 131        | 12.6                   | 632                |  |
| 25 to 54 years .....    | 8,808                                | 6,300                | 73.2                  | 5,792    | 19          | 5,772                      | 509        | 8.1                    | 2,308              |  |
| 25 to 34 years .....    | 3,760                                | 2,706                | 72.0                  | 2,422    | 10          | 2,412                      | 285        | 10.5                   | 1,053              |  |
| 25 to 29 years .....    | 1,855                                | 1,306                | 70.4                  | 1,153    | 5           | 1,147                      | 153        | 11.7                   | 548                |  |
| 30 to 34 years .....    | 1,905                                | 1,400                | 73.5                  | 1,269    | 5           | 1,264                      | 131        | 9.4                    | 505                |  |
| 35 to 44 years .....    | 2,914                                | 2,240                | 76.9                  | 2,076    | 2           | 2,074                      | 164        | 7.3                    | 675                |  |
| 35 to 39 years .....    | 1,801                                | 1,228                | 76.7                  | 1,123    | 1           | 1,122                      | 106        | 8.6                    | 373                |  |
| 40 to 44 years .....    | 1,313                                | 1,012                | 77.0                  | 954      | 2           | 952                        | 58         | 5.7                    | 302                |  |
| 45 to 54 years .....    | 1,934                                | 1,354                | 70.0                  | 1,293    | 7           | 1,287                      | 60         | 4.5                    | 580                |  |
| 45 to 49 years .....    | 1,032                                | 753                  | 72.9                  | 715      | 7           | 708                        | 38         | 5.0                    | 280                |  |
| 50 to 54 years .....    | 902                                  | 601                  | 66.7                  | 578      | -           | 578                        | 23         | 3.8                    | 300                |  |
| 55 to 64 years .....    | 1,473                                | 691                  | 46.9                  | 673      | 3           | 670                        | 19         | 2.7                    | 782                |  |
| 55 to 59 years .....    | 761                                  | 422                  | 55.5                  | 409      | 1           | 408                        | 13         | 3.1                    | 338                |  |
| 60 to 64 years .....    | 713                                  | 269                  | 37.7                  | 263      | 1           | 262                        | 6          | 2.1                    | 444                |  |
| 65 years and over ..... | 1,806                                | 155                  | 8.6                   | 148      | 4           | 144                        | 7          | 4.5                    | 1,651              |  |
| 65 to 69 years .....    | 663                                  | 95                   | 14.3                  | 88       | 1           | 87                         | 7          | 7.4                    | 568                |  |
| 70 to 74 years .....    | 458                                  | 41                   | 9.0                   | 41       | 3           | 36                         | -          | ( <sup>1</sup> )       | 417                |  |
| 75 years and over ..... | 685                                  | 19                   | 2.8                   | 19       | -           | 19                         | -          | ( <sup>1</sup> )       | 666                |  |

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

**A-6. 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 |           |
|--|-----------|-----------|------------------------|-----------|--------------------------|-----------|----------------------------|-----------|
|  | Dec. 1988 | Dec. 1989 | Dec. 1988              | Dec. 1989 | Dec. 1988                | Dec. 1989 | Dec. 1988                  | Dec. 1989 |
| <b>TOTAL</b>                               |           |           |                        |           |                          |           |                            |           |
| Civilian noninstitutional population ..... | 185,402   | 187,165   | 81,001                 | 82,055    | 89,954                   | 91,042    | 14,447                     | 14,067    |
| Civilian labor force .....                 | 122,120   | 123,998   | 62,792                 | 63,814    | 51,786                   | 52,761    | 7,542                      | 7,424     |
| Percent of population .....                | 65.9      | 66.3      | 77.5                   | 77.8      | 57.6                     | 58.0      | 52.2                       | 52.8      |
| Employed .....                             | 115,978   | 117,698   | 59,858                 | 60,862    | 49,601                   | 50,459    | 6,519                      | 6,377     |
| Agriculture .....                          | 2,870     | 2,862     | 2,120                  | 2,119     | 589                      | 551       | 161                        | 192       |
| Nonagricultural industries .....           | 113,108   | 114,836   | 57,738                 | 58,743    | 49,012                   | 49,908    | 6,358                      | 6,185     |
| Unemployed .....                           | 6,142     | 6,300     | 2,934                  | 2,952     | 2,186                    | 2,302     | 1,023                      | 1,047     |
| Unemployment rate .....                    | 5.0       | 5.1       | 4.7                    | 4.6       | 4.2                      | 4.4       | 13.6                       | 14.1      |
| Not in labor force .....                   | 63,282    | 63,167    | 18,209                 | 18,241    | 38,168                   | 38,282    | 6,906                      | 6,644     |
| <b>White</b>                               |           |           |                        |           |                          |           |                            |           |
| Civilian noninstitutional population ..... | 158,705   | 159,832   | 70,213                 | 71,003    | 76,770                   | 77,483    | 11,722                     | 11,346    |
| Civilian labor force .....                 | 104,972   | 106,406   | 54,731                 | 55,556    | 43,748                   | 44,574    | 6,494                      | 6,277     |
| Percent of population .....                | 66.1      | 66.6      | 77.9                   | 78.2      | 57.0                     | 57.5      | 55.4                       | 55.3      |
| Employed .....                             | 100,423   | 101,793   | 52,466                 | 53,338    | 42,218                   | 42,937    | 5,739                      | 5,518     |
| Agriculture .....                          | 2,696     | 2,667     | 1,971                  | 1,954     | 566                      | 525       | 159                        | 188       |
| Nonagricultural industries .....           | 97,727    | 99,126    | 50,495                 | 51,383    | 41,652                   | 42,412    | 5,581                      | 5,330     |
| Unemployed .....                           | 4,549     | 4,613     | 2,264                  | 2,218     | 1,530                    | 1,637     | 755                        | 759       |
| Unemployment rate .....                    | 4.3       | 4.3       | 4.1                    | 4.0       | 3.5                      | 3.7       | 11.6                       | 12.1      |
| Not in labor force .....                   | 53,733    | 53,426    | 15,483                 | 15,448    | 33,023                   | 32,909    | 5,227                      | 5,069     |
| <b>Black</b>                               |           |           |                        |           |                          |           |                            |           |
| Civilian noninstitutional population ..... | 20,842    | 21,164    | 8,283                  | 8,434     | 10,379                   | 10,564    | 2,180                      | 2,166     |
| Civilian labor force .....                 | 13,367    | 13,487    | 6,146                  | 6,206     | 6,375                    | 6,369     | 846                        | 912       |
| Percent of population .....                | 64.1      | 63.7      | 74.2                   | 73.6      | 61.4                     | 60.3      | 38.8                       | 42.1      |
| Employed .....                             | 11,938    | 11,989    | 5,559                  | 5,554     | 5,773                    | 5,779     | 606                        | 655       |
| Agriculture .....                          | 135       | 123       | 119                    | 115       | 16                       | 8         | -                          | -         |
| Nonagricultural industries .....           | 11,803    | 11,866    | 5,441                  | 5,439     | 5,756                    | 5,771     | 607                        | 656       |
| Unemployed .....                           | 1,428     | 1,498     | 586                    | 652       | 602                      | 590       | 240                        | 257       |
| Unemployment rate .....                    | 10.7      | 11.1      | 9.5                    | 10.5      | 9.4                      | 9.3       | 28.3                       | 28.1      |
| Not in labor force .....                   | 7,475     | 7,677     | 2,137                  | 2,228     | 4,004                    | 4,195     | 1,334                      | 1,254     |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin**

(Numbers in thousands)

| Employment status, years of school completed, race, and Hispanic origin | December 1989                        |                      |                       |          |                        |                        |            |                            |                            |                        |
|---|--------------------------------------|----------------------|-----------------------|----------|------------------------|------------------------|------------|----------------------------|----------------------------|------------------------|
|   | Civilian noninstitutional population | Civilian labor force |                       |          |                        |                        |            |                            |                            |                        |
|   |                                      | Total                | Percent of population | Employed |                        |                        | Unemployed |                            |                            | Percent of labor force |
|   |                                      |                      |                       | Total    | Full time <sup>1</sup> | Part time <sup>1</sup> | Total      | Looking for full-time work | Looking for part-time work |                        |
| <b>TOTAL ENROLLED</b>   |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 15,321                               | 7,479                | 48.8                  | 6,768    | 1,240                  | 5,529                  | 711        | 89                         | 622                        | 9.5                    |
| 16 to 19 years .....  | 10,480                               | 4,695                | 44.8                  | 4,116    | 396                    | 3,720                  | 579        | 47                         | 532                        | 12.3                   |
| 20 to 24 years .....  | 4,841                                | 2,784                | 57.5                  | 2,652    | 843                    | 1,809                  | 132        | 41                         | 90                         | 4.7                    |
| High school .....   | 7,663                                | 3,301                | 43.1                  | 2,794    | 189                    | 2,605                  | 507        | 37                         | 470                        | 15.4                   |
| College .....   | 7,658                                | 4,178                | 54.6                  | 3,975    | 1,051                  | 2,923                  | 203        | 52                         | 152                        | 4.9                    |
| Full-time students .....  | 6,698                                | 3,317                | 49.5                  | 3,147    | 486                    | 2,661                  | 170        | 32                         | 137                        | 5.1                    |
| Part-time students .....  | 959                                  | 861                  | 89.8                  | 827      | 565                    | 262                    | 34         | 19                         | 14                         | 3.9                    |
| Men, 16 to 24 years .....   | 7,774                                | 3,702                | 47.6                  | 3,296    | 645                    | 2,650                  | 406        | 52                         | 355                        | 11.0                   |
| 16 to 19 years .....  | 5,364                                | 2,336                | 43.6                  | 2,001    | 219                    | 1,782                  | 335        | 30                         | 305                        | 14.3                   |
| 20 to 24 years .....  | 2,411                                | 1,366                | 56.7                  | 1,294    | 426                    | 868                    | 71         | 21                         | 50                         | 5.2                    |
| High school .....   | 4,079                                | 1,744                | 42.8                  | 1,437    | 133                    | 1,304                  | 307        | 28                         | 280                        | 17.6                   |
| College .....   | 3,695                                | 1,958                | 53.0                  | 1,859    | 513                    | 1,346                  | 99         | 24                         | 75                         | 5.0                    |
| Full-time students .....  | 3,302                                | 1,602                | 48.5                  | 1,513    | 261                    | 1,252                  | 90         | 21                         | 69                         | 5.6                    |
| Part-time students .....  | 394                                  | 355                  | 90.2                  | 346      | 252                    | 94                     | 9          | 3                          | 6                          | 2.5                    |
| Women, 16 to 24 years .....   | 7,547                                | 3,777                | 50.1                  | 3,473    | 594                    | 2,879                  | 304        | 37                         | 267                        | 8.1                    |
| 16 to 19 years .....  | 5,116                                | 2,359                | 46.1                  | 2,115    | 177                    | 1,938                  | 244        | 17                         | 227                        | 10.3                   |
| 20 to 24 years .....  | 2,430                                | 1,418                | 58.4                  | 1,358    | 417                    | 941                    | 60         | 20                         | 40                         | 4.3                    |
| High school .....   | 3,584                                | 1,557                | 43.4                  | 1,357    | 56                     | 1,301                  | 200        | 9                          | 191                        | 12.8                   |
| College .....   | 3,962                                | 2,220                | 56.0                  | 2,116    | 539                    | 1,577                  | 105        | 28                         | 77                         | 4.7                    |
| Full-time students .....  | 3,397                                | 1,714                | 50.5                  | 1,635    | 225                    | 1,410                  | 80         | 11                         | 69                         | 4.6                    |
| Part-time students .....  | 566                                  | 506                  | 89.5                  | 481      | 313                    | 168                    | 25         | 17                         | 8                          | 4.9                    |
| <b>White</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 12,493                               | 6,406                | 51.3                  | 5,892    | 1,050                  | 4,843                  | 514        | 57                         | 457                        | 8.0                    |
| 16 to 19 years .....  | 8,425                                | 3,993                | 47.4                  | 3,578    | 330                    | 3,248                  | 415        | 28                         | 387                        | 10.4                   |
| 20 to 24 years .....  | 4,068                                | 2,413                | 59.3                  | 2,314    | 719                    | 1,595                  | 99         | 30                         | 69                         | 4.1                    |
| Men .....   | 6,365                                | 3,187                | 50.1                  | 2,890    | 561                    | 2,330                  | 297        | 33                         | 264                        | 9.3                    |
| Women .....   | 6,128                                | 3,219                | 52.5                  | 3,002    | 489                    | 2,513                  | 217        | 24                         | 193                        | 6.8                    |
| High school .....   | 5,995                                | 2,761                | 46.0                  | 2,407    | 154                    | 2,253                  | 354        | 21                         | 333                        | 12.8                   |
| College .....   | 6,498                                | 3,646                | 56.1                  | 3,485    | 896                    | 2,590                  | 160        | 37                         | 124                        | 4.4                    |
| Full-time students .....  | 5,696                                | 2,915                | 51.2                  | 2,776    | 414                    | 2,362                  | 138        | 25                         | 113                        | 4.7                    |
| Part-time students .....  | 801                                  | 731                  | 91.2                  | 709      | 481                    | 228                    | 22         | 11                         | 11                         | 3.0                    |
| <b>Black</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 2,094                                | 765                  | 36.5                  | 593      | 132                    | 460                    | 172        | 30                         | 142                        | 22.5                   |
| 16 to 19 years .....  | 1,594                                | 530                  | 33.3                  | 387      | 42                     | 345                    | 143        | 18                         | 125                        | 27.0                   |
| 20 to 24 years .....  | 500                                  | 235                  | 46.9                  | 206      | 90                     | 116                    | 29         | 12                         | 17                         | 12.3                   |
| Men .....   | 1,006                                | 349                  | 34.7                  | 255      | 44                     | 211                    | 94         | 17                         | 77                         | 27.0                   |
| Women .....   | 1,088                                | 416                  | 38.2                  | 338      | 88                     | 250                    | 78         | 13                         | 65                         | 18.8                   |
| High school .....   | 1,322                                | 417                  | 31.6                  | 285      | 22                     | 263                    | 132        | 16                         | 116                        | 31.7                   |
| College .....   | 772                                  | 348                  | 45.0                  | 308      | 110                    | 198                    | 40         | 14                         | 26                         | 11.5                   |
| Full-time students .....  | 668                                  | 260                  | 38.9                  | 232      | 51                     | 181                    | 28         | 5                          | 22                         | 10.7                   |
| Part-time students .....  | 104                                  | 88                   | 84.4                  | 75       | 59                     | 17                     | 12         | 9                          | 4                          | 14.0                   |
| <b>Hispanic origin</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 1,215                                | 531                  | 43.7                  | 462      | 158                    | 304                    | 69         | 9                          | 60                         | 13.0                   |
| 16 to 19 years .....  | 915                                  | 339                  | 37.1                  | 291      | 62                     | 219                    | 58         | 4                          | 55                         | 17.2                   |
| 20 to 24 years .....  | 300                                  | 191                  | 63.8                  | 181      | 96                     | 85                     | 11         | 6                          | 5                          | 5.6                    |
| Men .....   | 600                                  | 272                  | 45.3                  | 231      | 90                     | 141                    | 41         | 5                          | 35                         | 15.0                   |
| Women .....   | 615                                  | 259                  | 42.1                  | 230      | 67                     | 163                    | 28         | 4                          | 24                         | 11.0                   |
| High school .....   | 775                                  | 256                  | 33.0                  | 205      | 46                     | 159                    | 51         | 4                          | 48                         | 20.0                   |
| College .....   | 440                                  | 275                  | 62.5                  | 257      | 112                    | 145                    | 18         | 6                          | 12                         | 6.5                    |
| Full-time students .....  | 332                                  | 190                  | 57.1                  | 175      | 59                     | 116                    | 15         | 3                          | 12                         | 7.8                    |
| Part-time students .....  | 108                                  | 85                   | 79.3                  | 82       | 53                     | 29                     | 3          | 3                          | -                          | 3.7                    |

See footnotes at end of table.



**HOUSEHOLD DATA**  
**NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Employment status, years of school completed, race, and Hispanic origin | December 1989                        |                      |                       |          |                        |                        |            |                            |                            |                        |
|---|--------------------------------------|----------------------|-----------------------|----------|------------------------|------------------------|------------|----------------------------|----------------------------|------------------------|
|   | Civilian noninstitutional population | Civilian labor force |                       |          |                        |                        |            |                            |                            |                        |
|   |                                      | Total                | Percent of population | Employed |                        |                        | Unemployed |                            |                            | Percent of labor force |
|   |                                      |                      |                       | Total    | Full time <sup>1</sup> | Part time <sup>1</sup> | Total      | Looking for full-time work | Looking for part-time work |                        |
| <b>TOTAL NOT ENROLLED</b>   |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 16,602                               | 13,493               | 81.3                  | 12,059   | 10,449                 | 1,610                  | 1,434      | 1,334                      | 100                        | 10.6                   |
| 16 to 19 years .....  | 3,587                                | 2,729                | 76.1                  | 2,261    | 1,708                  | 553                    | 468        | 425                        | 43                         | 17.1                   |
| 20 to 24 years .....  | 13,015                               | 10,764               | 82.7                  | 9,798    | 8,741                  | 1,057                  | 966        | 909                        | 57                         | 9.0                    |
| Less than 4 years of high school .....                                  | 4,050                                | 2,639                | 65.1                  | 2,044    | 1,646                  | 398                    | 595        | 550                        | 44                         | 22.5                   |
| 4 years of high school .....  | 8,508                                | 7,158                | 84.1                  | 8,475    | 5,595                  | 880                    | 683        | 639                        | 44                         | 9.5                    |
| 1 to 3 years of college .....   | 2,591                                | 2,302                | 88.9                  | 2,205    | 1,972                  | 234                    | 97         | 87                         | 10                         | 4.2                    |
| 4 years of college or more .....  | 1,452                                | 1,394                | 96.0                  | 1,335    | 1,237                  | 99                     | 59         | 57                         | 2                          | 4.2                    |
| Men, 16 to 24 years .....   | 7,971                                | 7,282                | 91.4                  | 8,416    | 5,838                  | 578                    | 886        | 830                        | 36                         | 11.9                   |
| 16 to 19 years .....  | 1,734                                | 1,489                | 85.9                  | 1,211    | 991                    | 221                    | 278        | 259                        | 19                         | 18.7                   |
| 20 to 24 years .....  | 8,237                                | 5,793                | 92.9                  | 5,205    | 4,848                  | 357                    | 588        | 570                        | 18                         | 10.1                   |
| Less than 4 years of high school .....                                  | 2,067                                | 1,719                | 83.2                  | 1,321    | 1,135                  | 186                    | 398        | 383                        | 15                         | 23.2                   |
| 4 years of high school .....  | 4,150                                | 3,869                | 93.2                  | 3,490    | 3,197                  | 293                    | 379        | 365                        | 14                         | 9.8                    |
| 1 to 3 years of college .....   | 1,133                                | 1,087                | 95.9                  | 1,034    | 963                    | 71                     | 53         | 47                         | 6                          | 4.9                    |
| 4 years of college or more .....  | 620                                  | 607                  | 97.8                  | 571      | 543                    | 28                     | 36         | 35                         | -                          | 5.9                    |
| Women, 16 to 24 years .....   | 8,631                                | 6,211                | 72.0                  | 5,643    | 4,611                  | 1,032                  | 568        | 504                        | 64                         | 9.1                    |
| 16 to 19 years .....  | 1,853                                | 1,239                | 66.9                  | 1,049    | 717                    | 332                    | 190        | 165                        | 24                         | 15.3                   |
| 20 to 24 years .....  | 6,778                                | 4,972                | 73.4                  | 4,594    | 3,894                  | 700                    | 378        | 339                        | 40                         | 7.6                    |
| Less than 4 years of high school .....                                  | 1,983                                | 920                  | 46.4                  | 723      | 511                    | 213                    | 196        | 167                        | 29                         | 21.4                   |
| 4 years of high school .....  | 4,358                                | 3,288                | 75.5                  | 2,984    | 2,398                  | 587                    | 304        | 275                        | 29                         | 9.2                    |
| 1 to 3 years of college .....   | 1,458                                | 1,215                | 83.4                  | 1,172    | 1,009                  | 163                    | 44         | 41                         | 3                          | 3.6                    |
| 4 years of college or more .....  | 832                                  | 787                  | 94.6                  | 764      | 694                    | 70                     | 24         | 21                         | 2                          | 3.0                    |
| <b>White</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 13,607                               | 11,291               | 83.0                  | 10,267   | 8,945                  | 1,322                  | 1,024      | 950                        | 74                         | 9.1                    |
| 16 to 19 years .....  | 2,921                                | 2,284                | 78.2                  | 1,940    | 1,496                  | 444                    | 344        | 320                        | 24                         | 15.1                   |
| 20 to 24 years .....  | 10,686                               | 9,007                | 84.3                  | 8,327    | 7,448                  | 878                    | 680        | 630                        | 50                         | 7.6                    |
| Men .....   | 6,578                                | 6,103                | 92.8                  | 5,477    | 5,039                  | 438                    | 626        | 599                        | 27                         | 10.3                   |
| Women .....   | 7,029                                | 5,187                | 73.8                  | 4,789    | 3,905                  | 884                    | 398        | 351                        | 47                         | 7.7                    |
| Less than 4 years of high school .....                                  | 3,266                                | 2,207                | 67.6                  | 1,777    | 1,442                  | 334                    | 431        | 397                        | 34                         | 19.5                   |
| 4 years of high school .....  | 6,848                                | 5,880                | 85.9                  | 5,407    | 4,703                  | 704                    | 473        | 444                        | 29                         | 8.0                    |
| 1 to 3 years of college .....   | 2,158                                | 1,920                | 88.9                  | 1,856    | 1,653                  | 203                    | 64         | 55                         | 9                          | 3.3                    |
| 4 years of college or more .....  | 1,335                                | 1,284                | 96.2                  | 1,228    | 1,147                  | 81                     | 56         | 54                         | 2                          | 4.4                    |
| <b>Black</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 2,528                                | 1,853                | 73.3                  | 1,466    | 1,253                  | 213                    | 387        | 370                        | 17                         | 20.9                   |
| 16 to 19 years .....  | 572                                  | 382                  | 66.7                  | 268      | 188                    | 80                     | 113        | 100                        | 13                         | 29.7                   |
| 20 to 24 years .....  | 1,955                                | 1,471                | 75.3                  | 1,198    | 1,065                  | 133                    | 274        | 270                        | 4                          | 18.6                   |
| Men .....   | 1,181                                | 999                  | 84.6                  | 774      | 663                    | 112                    | 225        | 222                        | 3                          | 22.5                   |
| Women .....   | 1,346                                | 854                  | 63.4                  | 692      | 590                    | 102                    | 162        | 148                        | 14                         | 19.0                   |
| Less than 4 years of high school .....                                  | 665                                  | 366                  | 54.9                  | 211      | 163                    | 48                     | 155        | 148                        | 7                          | 42.4                   |
| 4 years of high school .....  | 1,444                                | 1,112                | 77.0                  | 913      | 779                    | 133                    | 200        | 190                        | 9                          | 17.9                   |
| 1 to 3 years of college .....   | 351                                  | 311                  | 88.4                  | 279      | 262                    | 18                     | 32         | 31                         | 1                          | 10.1                   |
| 4 years of college or more .....  | 67                                   | 65                   | ( <sup>2</sup> )      | 64       | 49                     | 15                     | 1          | 1                          | -                          | ( <sup>2</sup> )       |
| <b>Hispanic origin</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 2,136                                | 1,565                | 73.3                  | 1,366    | 1,207                  | 159                    | 199        | 191                        | 8                          | 12.7                   |
| 16 to 19 years .....  | 500                                  | 334                  | 66.8                  | 273      | 227                    | 46                     | 61         | 62                         | -                          | 18.3                   |
| 20 to 24 years .....  | 1,636                                | 1,231                | 75.3                  | 1,093    | 981                    | 113                    | 138        | 129                        | 9                          | 11.2                   |
| Men .....   | 1,112                                | 1,023                | 92.0                  | 891      | 826                    | 65                     | 133        | 131                        | 1                          | 13.0                   |
| Women .....   | 1,024                                | 542                  | 52.9                  | 476      | 381                    | 94                     | 66         | 60                         | 6                          | 12.3                   |
| Less than 4 years of high school .....                                  | 1,033                                | 679                  | 65.7                  | 555      | 481                    | 74                     | 124        | 120                        | 4                          | 18.3                   |
| 4 years of high school .....  | 671                                  | 692                  | 79.5                  | 628      | 553                    | 76                     | 64         | 59                         | 5                          | 9.2                    |
| 1 to 3 years of college .....   | 177                                  | 146                  | 82.3                  | 137      | 133                    | 4                      | 9          | 10                         | -                          | 5.9                    |
| 4 years of college or more .....  | 56                                   | 49                   | ( <sup>2</sup> )      | 46       | 41                     | 5                      | 3          | 3                          | -                          | ( <sup>2</sup> )       |

<sup>1</sup> Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

college students into that group. 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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-8. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

| Veteran status<br>and age      | Civilian<br>noninstitutional<br>population |              | Civilian labor force |              |              |              |              |              |                           |              |
|--------------------------------|--|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|---------------------------|--------------|
|                                | Dec.<br>1988                               | Dec.<br>1989 | Total                |              | Employed     |              | Unemployed   |              |                           |              |
|                                |  |              | Dec.<br>1988         | Dec.<br>1989 | Dec.<br>1988 | Dec.<br>1989 | Number       |              | Percent of<br>labor force |              |
|                                |  |              |                      |              |              |              | Dec.<br>1988 | Dec.<br>1989 | Dec.<br>1988              | Dec.<br>1989 |
| <b>VIETNAM-ERA VETERANS</b>    |  |              |                      |              |              |              |              |              |                           |              |
| Total, 30 years and over ..... | 7,903                                      | 7,930        | 7,248                | 7,261        | 6,961        | 6,943        | 287          | 318          | 4.0                       | 4.4          |
| 30 to 44 years .....           | 5,729                                      | 5,290        | 5,424                | 5,045        | 5,212        | 4,824        | 212          | 220          | 3.9                       | 4.4          |
| 30 to 34 years .....           | 592  | 391          | 559                  | 363          | 525          | 339          | 34           | 24           | 6.1                       | 6.5          |
| 35 to 39 years .....           | 1,969                                      | 1,586        | 1,882                | 1,505        | 1,796        | 1,447        | 86           | 57           | 4.6                       | 5.6          |
| 40 to 44 years .....           | 3,168                                      | 3,313        | 2,983                | 3,177        | 2,891        | 3,038        | 92           | 139          | 3.1                       | 4.4          |
| 45 years and over .....        | 2,174                                      | 2,640        | 1,824                | 2,217        | 1,749        | 2,119        | 75           | 98           | 4.1                       | 4.4          |
| <b>NONVETERANS</b>             |  |              |                      |              |              |              |              |              |                           |              |
| Total, 30 to 44 years .....    | 20,885                                     | 22,064       | 19,692               | 20,864       | 18,916       | 20,084       | 776          | 779          | 3.9                       | 3.7          |
| 30 to 34 years .....           | 9,221                                      | 9,446        | 8,732                | 8,976        | 8,390        | 8,611        | 342          | 365          | 3.9                       | 4.1          |
| 35 to 39 years .....           | 7,077                                      | 7,650        | 6,655                | 7,237        | 6,397        | 6,953        | 258          | 284          | 3.9                       | 3.9          |
| 40 to 44 years .....           | 4,587                                      | 4,968        | 4,305                | 4,651        | 4,129        | 4,520        | 176          | 130          | 4.1                       | 2.8          |

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED

A-9. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

| Sex, age, and race             | December 1989 |                                  |  |           |                        |  |                            |                            |
|--------------------------------|---------------|----------------------------------|--|-----------|------------------------|--|----------------------------|----------------------------|
|                                | Employed      |                                  |  |           |                        |  | Unemployed                 |                            |
|                                | Full time     |                                  |  | Part time |                        |  | Looking for full-time work | Looking for part-time work |
|                                | Total         | Full-time schedules <sup>1</sup> | Part time for economic reasons, usually work full time | Total     | Voluntary <sup>1</sup> | Part time for economic reasons, usually work part time |                            |                            |
| <b>TOTAL</b>                   |               |                                  |  |           |                        |  |                            |                            |
| Total, 16 years and over ..... | 97,221        | 95,386                           | 1,835  | 20,477    | 17,602                 | 2,874  | 5,055                      | 1,245                      |
| 16 to 19 years .....           | 2,104         | 2,001                            | 103  | 4,273     | 3,976                  | 297  | 472                        | 575                        |
| 16 to 17 years .....           | 202           | 197                              | 5  | 2,189     | 2,137                  | 52   | 89                         | 386                        |
| 18 to 19 years .....           | 1,902         | 1,804                            | 98   | 2,084     | 1,838                  | 245  | 383                        | 188                        |
| 20 years and over .....        | 95,117        | 93,386                           | 1,732  | 16,204    | 13,627                 | 2,577  | 4,583                      | 671                        |
| 20 to 24 years .....           | 9,584         | 9,306                            | 279  | 2,866     | 2,434                  | 432  | 951                        | 147                        |
| 25 years and over .....        | 85,533        | 84,080                           | 1,453  | 13,338    | 11,192                 | 2,145  | 3,632                      | 523                        |
| 25 to 54 years .....           | 74,395        | 73,142                           | 1,253  | 9,515     | 7,725                  | 1,790  | 3,229                      | 421                        |
| 55 years and over .....        | 11,138        | 10,937                           | 200  | 3,822     | 3,467                  | 355  | 403                        | 102                        |
| Men, 16 years and over .....   | 57,500        | 56,393                           | 1,108  | 6,574     | 5,447                  | 1,127  | 3,046                      | 519                        |
| 16 to 19 years .....           | 1,210         | 1,149                            | 61   | 2,003     | 1,864                  | 139  | 290                        | 323                        |
| 20 years and over .....        | 56,290        | 55,243                           | 1,047  | 4,571     | 3,583                  | 988  | 2,756                      | 196                        |
| 20 to 24 years .....           | 5,274         | 5,088                            | 186  | 1,225     | 1,006                  | 219  | 592                        | 68                         |
| 25 years and over .....        | 51,017        | 50,155                           | 861  | 3,346     | 2,577                  | 769  | 2,164                      | 128                        |
| 25 to 54 years .....           | 44,127        | 43,387                           | 740  | 1,792     | 1,150                  | 642  | 1,877                      | 85                         |
| 55 years and over .....        | 6,889         | 6,768                            | 121  | 1,554     | 1,427                  | 128  | 287                        | 43                         |
| Women, 16 years and over ..... | 39,721        | 38,994                           | 727  | 13,902    | 12,155                 | 1,747  | 2,009                      | 726                        |
| 16 to 19 years .....           | 894           | 851                              | 43   | 2,270     | 2,112                  | 158  | 182                        | 252                        |
| 20 years and over .....        | 38,827        | 38,142                           | 685  | 11,632    | 10,044                 | 1,589  | 1,827                      | 475                        |
| 20 to 24 years .....           | 4,311         | 4,218                            | 93   | 1,641     | 1,428                  | 213  | 359                        | 80                         |
| 25 years and over .....        | 34,516        | 33,924                           | 592  | 9,992     | 8,615                  | 1,376  | 1,468                      | 395                        |
| 25 to 54 years .....           | 30,268        | 29,755                           | 513  | 7,724     | 6,575                  | 1,148  | 1,352                      | 336                        |
| 55 years and over .....        | 4,248         | 4,169                            | 79   | 2,268     | 2,040                  | 228  | 116                        | 59                         |
| <b>White</b>                   |               |                                  |  |           |                        |  |                            |                            |
| Men, 16 years and over .....   | 50,467        | 49,496                           | 971  | 5,639     | 4,790                  | 848  | 2,282                      | 387                        |
| 16 to 19 years .....           | 1,066         | 1,009                            | 58   | 1,702     | 1,608                  | 94   | 216                        | 236                        |
| 20 years and over .....        | 49,401        | 48,487                           | 914  | 3,937     | 3,183                  | 754  | 2,067                      | 151                        |
| 20 to 24 years .....           | 4,533         | 4,376                            | 157  | 1,066     | 890                    | 176  | 416                        | 55                         |
| 25 years and over .....        | 44,868        | 44,111                           | 756  | 2,871     | 2,293                  | 578  | 1,650                      | 96                         |
| 25 to 54 years .....           | 38,644        | 37,995                           | 649  | 1,450     | 977                    | 473  | 1,421                      | 61                         |
| 55 years and over .....        | 6,224         | 6,117                            | 107  | 1,420     | 1,316                  | 104  | 229                        | 35                         |
| Women, 16 years and over ..... | 33,282        | 32,703                           | 579  | 12,405    | 10,943                 | 1,462  | 1,395                      | 549                        |
| 16 to 19 years .....           | 760           | 731                              | 29   | 1,990     | 1,860                  | 130  | 132                        | 175                        |
| 20 years and over .....        | 32,522        | 31,972                           | 549  | 10,416    | 9,084                  | 1,332  | 1,263                      | 374                        |
| 20 to 24 years .....           | 3,634         | 3,556                            | 79   | 1,408     | 1,230                  | 177  | 243                        | 65                         |
| 25 years and over .....        | 28,887        | 28,417                           | 470  | 9,008     | 7,853                  | 1,155  | 1,020                      | 309                        |
| 25 to 54 years .....           | 25,228        | 24,827                           | 401  | 6,972     | 6,008                  | 964  | 926                        | 253                        |
| 55 years and over .....        | 3,659         | 3,590                            | 69   | 2,036     | 1,846                  | 191  | 94                         | 56                         |
| <b>Black</b>                   |               |                                  |  |           |                        |  |                            |                            |
| Men, 16 years and over .....   | 5,229         | 5,115                            | 115  | 663       | 434                    | 229  | 683                        | 107                        |
| 16 to 19 years .....           | 111           | 107                              | 4  | 227       | 191                    | 36   | 68                         | 70                         |
| 20 years and over .....        | 5,118         | 5,007                            | 111  | 436       | 243                    | 193  | 615                        | 36                         |
| 20 to 24 years .....           | 596           | 571                              | 25   | 95        | 60                     | 36   | 171                        | 10                         |
| 25 years and over .....        | 4,522         | 4,436                            | 86   | 341       | 183                    | 158  | 444                        | 27                         |
| 25 to 54 years .....           | 4,026         | 3,948                            | 78   | 234       | 99                     | 135  | 392                        | 22                         |
| 55 years and over .....        | 496           | 488                              | 8  | 107       | 85                     | 23   | 52                         | 5                          |
| Women, 16 years and over ..... | 5,032         | 4,903                            | 128  | 1,064     | 835                    | 229  | 549                        | 159                        |
| 16 to 19 years .....           | 119           | 107                              | 12   | 198       | 177                    | 21   | 50                         | 68                         |
| 20 years and over .....        | 4,913         | 4,796                            | 117  | 866       | 658                    | 208  | 499                        | 91                         |
| 20 to 24 years .....           | 559           | 545                              | 14   | 153       | 128                    | 25   | 110                        | 11                         |
| 25 years and over .....        | 4,354         | 4,251                            | 103  | 713       | 530                    | 183  | 388                        | 80                         |
| 25 to 54 years .....           | 3,904         | 3,812                            | 93   | 522       | 370                    | 152  | 369                        | 77                         |
| 55 years and over .....        | 450           | 439                              | 10   | 191       | 159                    | 32   | 20                         | 3                          |

<sup>1</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-10. Employment status of persons in families by family relationship**

(Numbers in thousands)

| Family relationship                             | December 1989        |                       |          |            |                        |                    |               |                 |                |               |
|---|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|   | 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 <sup>1</sup> .....     | 99,548               | 66.6                  | 94,412   | 5,136      | 5.2                    | 49,848             | 22,129        | 8,139           | 2,425          | 17,155        |
| Husbands .....                                  | 40,139               | 78.2                  | 38,922   | 1,217      | 3.0                    | 11,222             | 197           | 206             | 940            | 9,878         |
| With employed wife .....                        | 26,619               | 91.8                  | 25,891   | 728        | 2.7                    | 2,370              | 70            | 111             | 342            | 1,847         |
| With unemployed wife .....                      | 922                  | 90.5                  | 827      | 95         | 10.3                   | 97                 | 3             | -               | 26             | 69            |
| With wife not in labor force .....              | 12,599               | 59.0                  | 12,203   | 395        | 3.1                    | 8,755              | 124           | 95              | 573            | 7,963         |
| Wives .....                                     | 30,007               | 58.4                  | 28,989   | 1,019      | 3.4                    | 21,353             | 17,176        | 399             | 373            | 3,406         |
| With employed husband .....                     | 26,718               | 68.6                  | 25,891   | 827        | 3.1                    | 12,203             | 10,758        | 346             | 141            | 958           |
| With unemployed husband .....                   | 822                  | 67.5                  | 728      | 95         | 11.5                   | 395                | 352           | 5               | 13             | 26            |
| With husband not in labor force .....           | 2,467                | 22.0                  | 2,370    | 97         | 3.9                    | 8,755              | 6,066         | 48              | 219            | 2,422         |
| Relatives in married-couple families .....      | 12,571               | 62.4                  | 11,377   | 1,195      | 9.5                    | 7,562              | 754           | 5,285           | 335            | 1,189         |
| 16 to 19 years .....                            | 4,578                | 51.7                  | 4,043    | 536        | 11.7                   | 4,273              | 88            | 3,984           | 15             | 186           |
| 20 to 24 years .....                            | 4,411                | 74.1                  | 4,048    | 363        | 8.2                    | 1,541              | 145           | 1,165           | 32             | 199           |
| 25 years and over .....                         | 3,582                | 67.2                  | 3,286    | 296        | 8.3                    | 1,748              | 521           | 136             | 288            | 804           |
| Women who maintain families .....               | 6,966                | 62.0                  | 6,442    | 524        | 7.5                    | 4,264              | 2,873         | 252             | 252            | 888           |
| Relatives in families maintained by women ..... | 5,865                | 61.1                  | 4,988    | 878        | 15.0                   | 3,735              | 721           | 1,609           | 361            | 1,044         |
| 16 to 19 years .....                            | 1,529                | 50.7                  | 1,162    | 367        | 24.0                   | 1,485              | 83            | 1,252           | 6              | 144           |
| 20 to 24 years .....                            | 1,527                | 72.2                  | 1,282    | 245        | 16.0                   | 587                | 120           | 289             | 34             | 145           |
| 25 years and over .....                         | 2,810                | 62.8                  | 2,544    | 266        | 9.5                    | 1,663              | 518           | 68              | 321            | 755           |
| Men who maintain families .....                 | 2,253                | 78.5                  | 2,122    | 131        | 5.8                    | 619                | 42            | 23              | 99             | 453           |
| Relatives in families maintained by men .....   | 1,746                | 61.5                  | 1,574    | 173        | 9.9                    | 1,092              | 366           | 365             | 65             | 296           |
| 16 to 19 years .....                            | 271                  | 50.1                  | 227      | 44         | 16.1                   | 270                | 17            | 229             | 2              | 22            |
| 20 to 24 years .....                            | 492                  | 74.3                  | 434      | 58         | 11.8                   | 170                | 32            | 110             | 1              | 27            |
| 25 years and over .....                         | 984                  | 60.1                  | 913      | 71         | 7.2                    | 652                | 317           | 26              | 62             | 247           |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-11. Unemployed persons by marital status, race, age, and sex**

| Marital status, race, and age         | Men                  |           |                    |           | Women                |           |                    |           |
|---------------------------------------|----------------------|-----------|--------------------|-----------|----------------------|-----------|--------------------|-----------|
|                                       | Thousands of persons |           | Unemployment rates |           | Thousands of persons |           | Unemployment rates |           |
|                                       | Dec. 1988            | Dec. 1989 | Dec. 1988          | Dec. 1989 | Dec. 1988            | Dec. 1989 | Dec. 1988          | Dec. 1989 |
| Total, 16 years and over .....        | 3,517                | 3,565     | 5.3                | 5.3       | 2,625                | 2,735     | 4.7                | 4.9       |
| Married, spouse present .....         | 1,343                | 1,348     | 3.2                | 3.2       | 1,004                | 1,101     | 3.3                | 3.6       |
| Widowed, divorced, or separated ..... | 463                  | 436       | 6.9                | 6.3       | 591                  | 609       | 5.4                | 5.4       |
| Single (never married) .....          | 1,711                | 1,781     | 9.5                | 9.7       | 1,030                | 1,025     | 7.3                | 7.3       |
| White, 16 years and over .....        | 2,709                | 2,669     | 4.7                | 4.5       | 1,840                | 1,944     | 3.9                | 4.1       |
| Married, spouse present .....         | 1,124                | 1,123     | 3.0                | 3.0       | 838                  | 909       | 3.1                | 3.3       |
| Widowed, divorced, or separated ..... | 349                  | 330       | 6.3                | 5.7       | 394                  | 417       | 4.5                | 4.6       |
| Single (never married) .....          | 1,236                | 1,217     | 8.3                | 8.1       | 608                  | 618       | 5.4                | 5.5       |
| Black, 16 years and over .....        | 716                  | 790       | 10.9               | 11.8      | 712                  | 708       | 10.5               | 10.4      |
| Married, spouse present .....         | 186                  | 173       | 6.0                | 5.6       | 143                  | 140       | 5.9                | 5.8       |
| Widowed, divorced, or separated ..... | 92                   | 95        | 9.8                | 10.0      | 183                  | 183       | 9.0                | 9.4       |
| Single (never married) .....          | 439                  | 522       | 17.2               | 19.6      | 386                  | 385       | 16.5               | 15.8      |
| Total, 25 years and over .....        | 2,320                | 2,293     | 4.2                | 4.0       | 1,689                | 1,863     | 3.8                | 4.0       |
| Married, spouse present .....         | 1,242                | 1,249     | 3.1                | 3.1       | 822                  | 949       | 2.9                | 3.3       |
| Widowed, divorced, or separated ..... | 450                  | 413       | 6.9                | 6.1       | 550                  | 571       | 5.2                | 5.2       |
| Single (never married) .....          | 628                  | 631       | 7.2                | 6.9       | 316                  | 343       | 5.0                | 5.3       |
| White, 25 years and over .....        | 1,801                | 1,746     | 3.7                | 3.5       | 1,211                | 1,329     | 3.2                | 3.4       |
| Married, spouse present .....         | 1,027                | 1,034     | 2.8                | 2.8       | 683                  | 774       | 2.7                | 3.0       |
| Widowed, divorced, or separated ..... | 339                  | 309       | 6.3                | 5.5       | 366                  | 385       | 4.4                | 4.4       |
| Single (never married) .....          | 435                  | 403       | 6.1                | 5.5       | 162                  | 169       | 3.4                | 3.4       |
| Black, 25 years and over .....        | 451                  | 471       | 8.7                | 8.8       | 448                  | 468       | 8.2                | 8.5       |
| Married, spouse present .....         | 183                  | 165       | 6.2                | 5.6       | 125                  | 126       | 5.6                | 5.6       |
| Widowed, divorced, or separated ..... | 91                   | 93        | 9.9                | 10.0      | 172                  | 176       | 8.8                | 9.3       |
| Single (never married) .....          | 177                  | 213       | 13.2               | 14.6      | 152                  | 165       | 11.8               | 11.9      |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by occupation and sex**

| Occupation  | Thousands of persons |           | Unemployment rates |           |                  |                  |                  |                  |
|---|----------------------|-----------|--------------------|-----------|------------------|------------------|------------------|------------------|
|   | Total                |           | Total              |           | Men              |                  | Women            |                  |
|   | Dec. 1988            | Dec. 1989 | Dec. 1988          | Dec. 1989 | Dec. 1988        | Dec. 1989        | Dec. 1988        | Dec. 1989        |
| Total, 16 years and over .....                                  | 6,142                | 6,300     | 5.0                | 5.1       | 5.3              | 5.3              | 4.7              | 4.9              |
| Managerial and professional specialty .....                     | 503                  | 581       | 1.7                | 1.9       | 1.7              | 1.8              | 1.6              | 2.0              |
| Executive, administrative, and managerial .....                 | 308                  | 345       | 2.1                | 2.3       | 2.0              | 2.0              | 2.3              | 2.7              |
| Professional specialty .....                                    | 195                  | 236       | 1.2                | 1.5       | 1.3              | 1.5              | 1.2              | 1.4              |
| Technical, sales, and administrative support .....              | 1,321                | 1,361     | 3.5                | 3.5       | 3.2              | 3.1              | 3.7              | 3.8              |
| Technicians and related support .....                           | 89                   | 96        | 2.4                | 2.5       | 2.5              | 3.0              | 2.3              | 2.0              |
| Sales occupations .....   | 597                  | 605       | 4.0                | 4.0       | 3.2              | 3.1              | 4.8              | 4.9              |
| Administrative support, including clerical .....                | 635                  | 660       | 3.4                | 3.4       | 3.5              | 3.4              | 3.3              | 3.4              |
| Service occupations .....                                       | 1,042                | 1,055     | 6.2                | 6.4       | 6.4              | 6.6              | 6.1              | 6.3              |
| Private household .....   | 60                   | 63        | 5.8                | 6.7       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 5.5              | 6.7              |
| Protective service .....  | 79                   | 57        | 4.0                | 2.9       | 4.2              | 2.5              | 3.0              | 5.3              |
| Service, except private household and protective .....          | 903                  | 935       | 6.6                | 6.9       | 7.2              | 8.1              | 6.3              | 6.3              |
| Precision production, craft, and repair .....                   | 756                  | 796       | 5.3                | 5.5       | 5.2              | 5.5              | 6.0              | 5.3              |
| Mechanics and repairers .....                                   | 175                  | 160       | 3.9                | 3.4       | 3.8              | 3.2              | 4.7              | 8.9              |
| Construction trades .....                                       | 403                  | 471       | 7.3                | 8.4       | 7.2              | 8.5              | 13.3             | 4.2              |
| Other precision production, craft, and repair .....             | 178                  | 165       | 4.1                | 3.9       | 3.8              | 3.6              | 5.2              | 4.8              |
| Operators, fabricators, and laborers .....                      | 1,600                | 1,617     | 8.2                | 8.2       | 8.2              | 7.8              | 8.4              | 9.3              |
| Machine operators, assemblers, and inspectors .....             | 684                  | 748       | 7.6                | 8.3       | 6.6              | 7.3              | 9.0              | 9.9              |
| Transportation and material moving occupations .....            | 285                  | 315       | 5.5                | 6.1       | 5.9              | 6.2              | 1.9              | 4.5              |
| Handlers, equipment cleaners, helpers, and laborers .....       | 631                  | 555       | 11.8               | 10.0      | 12.4             | 10.1             | 9.1              | 9.6              |
| Construction laborers .....                                     | 218                  | 138       | 23.4               | 15.8      | 22.6             | 15.2             | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 413                  | 417       | 9.4                | 8.9       | 9.8              | 8.9              | 7.8              | 8.8              |
| Farming, forestry, and fishing .....                            | 243                  | 233       | 7.5                | 7.3       | 7.4              | 7.2              | 7.9              | 8.1              |
| No previous work experience .....                               | 639                  | 624       | -                  | -         | -                | -                | -                | -                |
| 16 to 19 years .....  | 436                  | 413       | -                  | -         | -                | -                | -                | -                |
| 20 to 24 years .....  | 105                  | 119       | -                  | -         | -                | -                | -                | -                |
| 25 years and over .....   | 98                   | 92        | -                  | -         | -                | -                | -                | -                |

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Unemployed persons by industry and sex**

| Industry   | Thousands of persons |           | Unemployment rates |           |           |           |           |           |
|--|----------------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|
|  | Total                |           | Total              |           | Men       |           | Women     |           |
|  | Dec. 1988            | Dec. 1989 | Dec. 1988          | Dec. 1989 | Dec. 1988 | Dec. 1989 | Dec. 1988 | Dec. 1989 |
| Total, 16 years and over .....                             | 6,142                | 6,300     | 5.0                | 5.1       | 5.3       | 5.3       | 4.7       | 4.9       |
| Nonagricultural private wage and salary workers .....      | 4,725                | 4,883     | 5.2                | 5.3       | 5.4       | 5.4       | 4.8       | 5.1       |
| Mining .....   | 54                   | 31        | 7.4                | 4.3       | 7.9       | 4.4       | 4.6       | 3.8       |
| Construction .....   | 678                  | 655       | 10.8               | 10.3      | 11.0      | 10.6      | 8.6       | 7.1       |
| Manufacturing .....  | 1,121                | 1,248     | 5.1                | 5.6       | 4.6       | 4.8       | 6.0       | 7.2       |
| Durable goods .....  | 634                  | 721       | 4.9                | 5.4       | 4.5       | 5.1       | 6.2       | 6.4       |
| Lumber and wood products .....                             | 46                   | 48        | 5.9                | 6.8       | 5.6       | 7.4       | 7.5       | 3.5       |
| Furniture and fixtures .....                               | 37                   | 29        | 5.7                | 4.3       | 5.6       | 2.9       | 6.1       | 7.1       |
| Stone, clay, and glass products .....                      | 41                   | 47        | 6.5                | 7.1       | 6.0       | 6.7       | 8.7       | 8.9       |
| Primary metal industries .....                             | 49                   | 26        | 5.4                | 3.0       | 5.9       | 2.6       | 1.7       | 5.6       |
| Fabricated metal products .....                            | 68                   | 113       | 4.9                | 8.0       | 4.8       | 6.6       | 5.6       | 13.1      |
| Machinery, except electrical .....                         | 115                  | 110       | 4.5                | 4.1       | 3.8       | 3.9       | 6.5       | 4.4       |
| Electrical machinery, equipment, and supplies .....        | 89                   | 108       | 4.2                | 4.8       | 3.7       | 4.5       | 5.0       | 5.1       |
| Transportation equipment .....                             | 143                  | 156       | 5.5                | 5.8       | 4.4       | 5.4       | 9.5       | 7.0       |
| Automobiles .....  | 84                   | 98        | 6.4                | 7.9       | 5.2       | 6.6       | 10.6      | 11.9      |
| Other transportation equipment .....                       | 58                   | 58        | 4.5                | 4.0       | 3.6       | 4.5       | 8.4       | 2.1       |
| Professional and photographic equipment .....              | 21                   | 33        | 2.8                | 4.4       | 2.8       | 3.9       | 2.9       | 5.3       |
| Other durable goods industries .....                       | 26                   | 51        | 5.1                | 8.7       | 2.8       | 9.8       | 7.5       | 6.8       |
| Nondurable goods .....                                     | 487                  | 528       | 5.4                | 5.8       | 4.9       | 4.3       | 5.9       | 8.0       |
| Food and kindred products .....                            | 153                  | 153       | 7.9                | 7.9       | 6.8       | 6.9       | 10.0      | 9.7       |
| Textile mill products .....                                | 32                   | 39        | 4.7                | 5.2       | 6.2       | 3.7       | 3.1       | 6.8       |
| Apparel and other textile products .....                   | 96                   | 119       | 7.3                | 10.1      | 5.8       | 6.7       | 7.9       | 11.0      |
| Paper and allied products .....                            | 32                   | 16        | 4.3                | 2.2       | 2.8       | 1.6       | 9.2       | 4.2       |
| Printing and publishing .....                              | 70                   | 71        | 3.8                | 3.7       | 5.0       | 3.1       | 2.5       | 4.5       |
| Chemicals and allied products .....                        | 38                   | 43        | 3.0                | 3.3       | 2.8       | 2.3       | 3.3       | 5.3       |
| Rubber and miscellaneous plastics products .....           | 36                   | 60        | 4.0                | 7.5       | 4.0       | 5.9       | 4.0       | 10.1      |
| Other nondurable goods industries .....                    | 29                   | 26        | 7.4                | 7.0       | 6.6       | 3.7       | 8.6       | 11.8      |
| Transportation and public utilities .....                  | 228                  | 199       | 3.6                | 3.1       | 3.9       | 3.2       | 2.9       | 2.8       |
| Transportation .....                                       | 185                  | 133       | 4.8                | 3.5       | 5.2       | 3.3       | 3.7       | 3.9       |
| Communications and other public utilities .....            | 43                   | 66        | 1.7                | 2.6       | 1.4       | 3.0       | 2.1       | 1.8       |
| Wholesale and retail trade .....                           | 1,362                | 1,443     | 5.8                | 6.0       | 5.6       | 5.8       | 6.0       | 6.3       |
| Wholesale trade .....                                      | 232                  | 164       | 5.2                | 3.7       | 5.3       | 3.6       | 5.1       | 4.1       |
| Retail trade .....   | 1,130                | 1,279     | 5.9                | 6.5       | 5.7       | 6.5       | 6.1       | 6.6       |
| Finance, insurance, and real estate .....                  | 211                  | 216       | 2.9                | 2.9       | 3.3       | 2.9       | 2.6       | 3.0       |
| Service industries .....                                   | 1,070                | 1,091     | 4.3                | 4.3       | 4.4       | 4.5       | 4.2       | 4.1       |
| Professional services .....                                | 346                  | 360       | 2.4                | 2.5       | 2.1       | 2.0       | 2.6       | 2.7       |
| Other service industries .....                             | 724                  | 731       | 6.6                | 6.6       | 6.2       | 6.4       | 7.0       | 6.7       |
| Agricultural wage and salary workers .....                 | 176                  | 191       | 10.4               | 11.3      | 10.2      | 11.1      | 11.4      | 12.0      |
| Government, self-employed, and unpaid family workers ..... | 602                  | 601       | 2.1                | 2.1       | 2.3       | 2.3       | 2.0       | 1.9       |
| No previous work experience .....                          | 639                  | 624       | -                  | -         | -         | -         | -         | -         |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-14. 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     |           |
|--|------------------|-----------|------------------------|-----------|--------------------------|-----------|----------------------------|-----------|-----------|-----------|-----------|-----------|
|  | Dec. 1988        | Dec. 1989 | Dec. 1988              | Dec. 1989 | Dec. 1988                | Dec. 1989 | Dec. 1988                  | Dec. 1989 | Dec. 1988 | Dec. 1989 | Dec. 1988 | Dec. 1989 |
| <b>NUMBER OF UNEMPLOYED</b>                                |                  |           |                        |           |                          |           |                            |           |           |           |           |           |
| Total unemployed .....                                     | 6,142            | 6,300     | 2,934                  | 2,952     | 2,186                    | 2,302     | 1,023                      | 1,047     | 4,549     | 4,613     | 1,428     | 1,498     |
| Job losers .....   | 3,078            | 3,172     | 1,958                  | 2,014     | 909                      | 973       | 211                        | 184       | 2,315     | 2,400     | 692       | 702       |
| On layoff .....  | 866              | 1,033     | 582                    | 675       | 244                      | 315       | 39                         | 43        | 708       | 851       | 130       | 157       |
| Other job losers .....                                     | 2,212            | 2,139     | 1,376                  | 1,339     | 665                      | 658       | 172                        | 141       | 1,607     | 1,549     | 562       | 545       |
| Job leavers .....  | 903              | 962       | 430                    | 375       | 331                      | 385       | 142                        | 202       | 716       | 748       | 162       | 176       |
| Reentrants .....   | 1,523            | 1,615     | 466                    | 478       | 823                      | 851       | 234                        | 287       | 1,082     | 1,124     | 385       | 440       |
| New entrants .....   | 638              | 551       | 80                     | 85        | 122                      | 92        | 435                        | 374       | 436       | 341       | 189       | 181       |
| <b>PERCENT DISTRIBUTION</b>                                |                  |           |                        |           |                          |           |                            |           |           |           |           |           |
| Total unemployed .....                                     | 100.0            | 100.0     | 100.0                  | 100.0     | 100.0                    | 100.0     | 100.0                      | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     |
| Job losers .....   | 50.1             | 50.3      | 66.8                   | 68.2      | 41.6                     | 42.3      | 20.7                       | 17.6      | 50.9      | 52.0      | 48.4      | 46.9      |
| On layoff .....  | 14.1             | 16.4      | 19.9                   | 22.9      | 11.2                     | 13.7      | 3.8                        | 4.1       | 15.6      | 18.5      | 9.1       | 10.5      |
| Other job losers .....                                     | 36.0             | 34.0      | 46.9                   | 45.4      | 30.4                     | 28.6      | 16.9                       | 13.5      | 35.3      | 33.6      | 39.3      | 36.4      |
| Job leavers .....  | 14.7             | 15.3      | 14.6                   | 12.7      | 15.2                     | 16.7      | 13.9                       | 19.3      | 15.7      | 16.2      | 11.4      | 11.7      |
| Reentrants .....   | 24.8             | 25.6      | 15.9                   | 16.2      | 37.7                     | 37.0      | 22.9                       | 27.4      | 23.8      | 24.4      | 26.9      | 29.4      |
| New entrants .....   | 10.4             | 8.7       | 2.7                    | 2.9       | 5.6                      | 4.0       | 42.6                       | 35.7      | 9.6       | 7.4       | 13.3      | 12.1      |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |                  |           |                        |           |                          |           |                            |           |           |           |           |           |
| Job losers .....   | 2.5              | 2.6       | 3.1                    | 3.2       | 1.8                      | 1.8       | 2.8                        | 2.5       | 2.2       | 2.3       | 5.2       | 5.2       |
| Job leavers .....  | .7               | .8        | .7                     | .6        | .6                       | .7        | 1.9                        | 2.7       | .7        | .7        | 1.2       | 1.3       |
| Reentrants .....   | 1.2              | 1.3       | .7                     | .7        | 1.6                      | 1.6       | 3.1                        | 3.9       | 1.0       | 1.1       | 2.9       | 3.3       |
| New entrants .....   | .5               | .4        | .1                     | .1        | .2                       | .2        | 5.8                        | 5.0       | .4        | .3        | 1.4       | 1.3       |



**A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment**

(Percent distribution)

| Reason, sex, and age             | December 1989        |         |                          |                  |                   |                  |                   |
|----------------------------------|----------------------|---------|--------------------------|------------------|-------------------|------------------|-------------------|
|                                  | 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 .....   | 6,300                | 100.0   | 47.3                     | 32.2             | 20.5              | 11.0             | 9.5               |
| Job losers .....                 | 3,172                | 100.0   | 43.3                     | 33.1             | 23.6              | 12.5             | 11.1              |
| On layoff .....                  | 1,033                | 100.0   | 61.8                     | 28.6             | 9.7               | 6.9              | 2.8               |
| Other job losers .....           | 2,139                | 100.0   | 34.3                     | 35.4             | 30.3              | 15.2             | 15.1              |
| Job leavers .....                | 962                  | 100.0   | 51.4                     | 30.2             | 18.4              | 11.4             | 6.9               |
| Reentrants .....                 | 1,615                | 100.0   | 51.4                     | 30.9             | 17.7              | 9.1              | 8.6               |
| New entrants .....               | 551                  | 100.0   | 51.7                     | 33.4             | 14.9              | 7.8              | 7.2               |
| Men, 20 years and over .....     | 2,952                | 100.0   | 44.2                     | 31.0             | 24.7              | 11.3             | 13.4              |
| Job losers .....                 | 2,014                | 100.0   | 44.1                     | 31.0             | 25.0              | 11.9             | 13.1              |
| On layoff .....                  | 675                  | 100.0   | 63.7                     | 26.5             | 9.8               | 5.9              | 3.8               |
| Other job losers .....           | 1,339                | 100.0   | 34.2                     | 33.2             | 32.6              | 14.9             | 17.8              |
| Job leavers .....                | 375                  | 100.0   | 45.0                     | 30.0             | 25.0              | 12.9             | 12.1              |
| Reentrants .....                 | 478                  | 100.0   | 46.3                     | 31.5             | 22.2              | 8.2              | 14.0              |
| New entrants .....               | 85                   | 100.0   | 33.4                     | 35.6             | 31.0              | 6.0              | 25.0              |
| Women, 20 years and over .....   | 2,302                | 100.0   | 47.0                     | 33.6             | 19.3              | 12.0             | 7.3               |
| Job losers .....                 | 973                  | 100.0   | 39.0                     | 38.2             | 22.7              | 14.7             | 8.0               |
| On layoff .....                  | 315                  | 100.0   | 58.0                     | 31.3             | 10.7              | 9.7              | .9                |
| Other job losers .....           | 658                  | 100.0   | 30.0                     | 41.6             | 28.5              | 17.1             | 11.4              |
| Job leavers .....                | 385                  | 100.0   | 50.2                     | 32.8             | 17.0              | 12.9             | 4.1               |
| Reentrants .....                 | 851                  | 100.0   | 52.7                     | 30.1             | 17.2              | 8.9              | 8.3               |
| New entrants .....               | 92                   | 100.0   | 65.7                     | 21.3             | 13.1              | 8.6              | 4.4               |
| Both sexes, 16 to 19 years ..... | 1,047                | 100.0   | 56.6                     | 32.0             | 11.3              | 8.2              | 3.1               |
| Job losers .....                 | 184                  | 100.0   | 56.9                     | 30.3             | 12.9              | 7.2              | 5.7               |
| On layoff .....                  | 43                   | 100.0   | ( <sup>1</sup> )         | ( <sup>1</sup> ) | ( <sup>1</sup> )  | ( <sup>1</sup> ) | ( <sup>1</sup> )  |
| Other job losers .....           | 141                  | 100.0   | 56.5                     | 27.0             | 16.4              | 9.3              | 7.1               |
| Job leavers .....                | 202                  | 100.0   | 65.4                     | 25.9             | 8.7               | 5.9              | 2.8               |
| Reentrants .....                 | 287                  | 100.0   | 55.9                     | 32.6             | 11.6              | 10.8             | .7                |
| New entrants .....               | 374                  | 100.0   | 52.4                     | 35.8             | 11.8              | 7.9              | 3.8               |

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

**A-16. Unemployed persons by duration of unemployment**

| Duration of unemployment                | Total                |           |                      |           | Full-time workers    |           |                      |           |
|---|----------------------|-----------|----------------------|-----------|----------------------|-----------|----------------------|-----------|
|   | Thousands of persons |           | Percent distribution |           | Thousands of persons |           | Percent distribution |           |
|   | Dec. 1988            | Dec. 1989 | Dec. 1988            | Dec. 1989 | Dec. 1988            | Dec. 1989 | Dec. 1988            | Dec. 1989 |
| Total, 16 years and over .....          | 6,142                | 6,300     | 100.0                | 100.0     | 5,008                | 5,055     | 100.0                | 100.0     |
| Less than 5 weeks .....                 | 2,701                | 2,982     | 44.0                 | 47.3      | 2,040                | 2,228     | 40.7                 | 44.1      |
| 5 to 14 weeks .....                     | 2,045                | 2,026     | 33.3                 | 32.2      | 1,707                | 1,665     | 34.1                 | 32.9      |
| 5 to 10 weeks .....                     | 1,469                | 1,461     | 23.9                 | 23.2      | 1,208                | 1,209     | 24.1                 | 23.9      |
| 11 to 14 weeks .....                    | 577                  | 565       | 9.4                  | 9.0       | 498                  | 456       | 9.9                  | 9.0       |
| 15 weeks and over .....                 | 1,396                | 1,293     | 22.7                 | 20.5      | 1,261                | 1,162     | 25.2                 | 23.0      |
| 15 to 26 weeks .....                    | 701                  | 695       | 11.4                 | 11.0      | 611                  | 620       | 12.2                 | 12.3      |
| 27 weeks and over .....                 | 696                  | 598       | 11.3                 | 9.5       | 649                  | 542       | 13.0                 | 10.7      |
| 27 to 51 weeks .....                    | 252                  | 256       | 4.1                  | 4.1       | 237                  | 228       | 4.7                  | 4.5       |
| 52 weeks and over .....                 | 444                  | 342       | 7.2                  | 5.4       | 412                  | 314       | 8.2                  | 6.2       |
| Average (mean) duration, in weeks ..... | 13.2                 | 11.8      | -                    | -         | 14.4                 | 12.8      | -                    | -         |
| Median duration, in weeks .....         | 6.1                  | 5.1       | -                    | -         | 6.7                  | 5.8       | -                    | -         |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. 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 |                  |
|                                       | December 1989        |                   |               |                |                   |                         |                  | Dec. 1988                      | Dec. 1989        | Dec. 1988                    | Dec. 1989        |
| Total, 16 years and over .....        | 6,300                | 2,982             | 2,026         | 695            | 598               | 11.8                    | 5.1              | 44.0                           | 47.3             | 22.7                         | 20.5             |
| 16 to 19 years .....                  | 1,047                | 593               | 335           | 86             | 33                | 7.3                     | 4.0              | 58.8                           | 56.6             | 12.8                         | 11.3             |
| 20 to 24 years .....                  | 1,098                | 590               | 341           | 108            | 58                | 9.2                     | 4.2              | 52.2                           | 53.8             | 18.2                         | 15.1             |
| 25 to 34 years .....                  | 1,807                | 836               | 575           | 234            | 161               | 11.4                    | 5.3              | 41.7                           | 46.3             | 23.5                         | 21.9             |
| 35 to 44 years .....                  | 1,176                | 488               | 403           | 134            | 151               | 13.8                    | 6.1              | 38.1                           | 41.5             | 24.2                         | 24.2             |
| 45 to 54 years .....                  | 667                  | 248               | 231           | 82             | 105               | 17.2                    | 7.7              | 28.9                           | 37.3             | 33.3                         | 28.1             |
| 55 to 64 years .....                  | 413                  | 174               | 119           | 47             | 73                | 16.5                    | 6.2              | 39.7                           | 42.2             | 33.5                         | 28.9             |
| 65 years and over .....               | 93                   | 52                | 21            | 4              | 17                | 16.3                    | 4.0              | 22.6                           | 55.7             | 34.6                         | 22.0             |
| Men, 16 years and over .....          | 3,565                | 1,655             | 1,109         | 379            | 421               | 13.2                    | 5.4              | 42.5                           | 46.4             | 25.3                         | 22.5             |
| 16 to 19 years .....                  | 613                  | 349               | 193           | 47             | 24                | 7.6                     | 4.0              | 61.3                           | 56.9             | 13.9                         | 11.6             |
| 20 to 24 years .....                  | 659                  | 335               | 215           | 69             | 40                | 9.7                     | 4.4              | 54.4                           | 50.8             | 20.0                         | 16.5             |
| 25 to 34 years .....                  | 946                  | 423               | 280           | 137            | 107               | 12.8                    | 5.7              | 38.9                           | 44.7             | 24.9                         | 25.7             |
| 35 to 44 years .....                  | 627                  | 259               | 200           | 61             | 107               | 16.0                    | 6.2              | 34.2                           | 41.3             | 25.9                         | 26.8             |
| 45 to 54 years .....                  | 389                  | 150               | 126           | 42             | 71                | 19.7                    | 7.4              | 26.2                           | 38.5             | 41.8                         | 29.3             |
| 55 to 64 years .....                  | 280                  | 118               | 77            | 21             | 63                | 19.2                    | 6.8              | 36.8                           | 42.3             | 33.7                         | 30.1             |
| 65 years and over .....               | 51                   | 22                | 18            | 3              | 8                 | ( <sup>1</sup> )        | ( <sup>1</sup> ) | ( <sup>1</sup> )               | ( <sup>1</sup> ) | ( <sup>1</sup> )             | ( <sup>1</sup> ) |
| Women, 16 years and over .....        | 2,735                | 1,327             | 916           | 316            | 176               | 9.9                     | 4.8              | 45.9                           | 48.5             | 19.3                         | 18.0             |
| 16 to 19 years .....                  | 434                  | 244               | 143           | 39             | 8                 | 6.8                     | 4.0              | 55.5                           | 56.3             | 11.4                         | 10.8             |
| 20 to 24 years .....                  | 439                  | 255               | 126           | 39             | 18                | 8.4                     | 3.9              | 49.5                           | 58.2             | 15.9                         | 13.0             |
| 25 to 34 years .....                  | 861                  | 413               | 295           | 98             | 55                | 9.9                     | 4.9              | 45.0                           | 48.0             | 21.7                         | 17.7             |
| 35 to 44 years .....                  | 549                  | 229               | 203           | 74             | 43                | 11.2                    | 6.0              | 43.2                           | 41.8             | 22.0                         | 21.3             |
| 45 to 54 years .....                  | 278                  | 99                | 105           | 40             | 34                | 13.9                    | 8.0              | 33.7                           | 35.5             | 18.5                         | 26.6             |
| 55 to 64 years .....                  | 133                  | 56                | 42            | 26             | 10                | 10.7                    | 5.6              | 44.5                           | 42.0             | 33.2                         | 26.5             |
| 65 years and over .....               | 42                   | 30                | 3             | 1              | 8                 | ( <sup>1</sup> )        | ( <sup>1</sup> ) | ( <sup>1</sup> )               | ( <sup>1</sup> ) | ( <sup>1</sup> )             | ( <sup>1</sup> ) |
| White, 16 years and over .....        | 4,613                | 2,234             | 1,498         | 490            | 391               | 11.3                    | 4.8              | 45.4                           | 48.4             | 22.2                         | 19.1             |
| Men .....                             | 2,669                | 1,276             | 833           | 279            | 280               | 12.6                    | 5.0              | 44.3                           | 47.8             | 24.6                         | 21.0             |
| Women .....                           | 1,944                | 958               | 665           | 211            | 111               | 9.4                     | 4.6              | 47.0                           | 49.3             | 18.8                         | 16.5             |
| Black, 16 years and over .....        | 1,498                | 659               | 470           | 182            | 188               | 13.6                    | 6.1              | 39.4                           | 44.0             | 24.3                         | 24.7             |
| Men .....                             | 790                  | 336               | 236           | 91             | 127               | 15.4                    | 6.8              | 35.8                           | 42.6             | 28.2                         | 27.5             |
| Women .....                           | 708                  | 323               | 234           | 91             | 61                | 11.5                    | 5.5              | 43.1                           | 45.6             | 20.4                         | 21.5             |
| Men, 16 years and over:               |                      |                   |               |                |                   |                         |                  |                                |                  |                              |                  |
| Married, spouse present .....         | 1,348                | 591               | 409           | 154            | 194               | 14.9                    | 5.8              | 33.5                           | 43.8             | 30.5                         | 25.8             |
| Widowed, divorced, or separated ..... | 436                  | 187               | 147           | 48             | 54                | 15.0                    | 5.8              | 37.6                           | 42.9             | 26.1                         | 23.4             |
| Single (never married) .....          | 1,781                | 876               | 553           | 178            | 173               | 11.5                    | 4.7              | 50.9                           | 49.2             | 21.0                         | 19.7             |
| Women, 16 years and over:             |                      |                   |               |                |                   |                         |                  |                                |                  |                              |                  |
| Married, spouse present .....         | 1,101                | 513               | 387           | 137            | 64                | 9.7                     | 5.1              | 46.4                           | 46.6             | 21.2                         | 18.3             |
| Widowed, divorced, or separated ..... | 609                  | 270               | 205           | 71             | 62                | 12.1                    | 5.7              | 37.8                           | 44.3             | 23.7                         | 21.8             |
| Single (never married) .....          | 1,025                | 544               | 324           | 108            | 50                | 8.9                     | 4.2              | 50.2                           | 53.1             | 14.9                         | 15.4             |

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-18. 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 |           |
|  | December 1989        |                   |               |                |                   |                         |                 | Dec. 1988                      | Dec. 1989 | Dec. 1988                    | Dec. 1989 |
| <b>OCCUPATION</b>                                  |                      |                   |               |                |                   |                         |                 |                                |           |                              |           |
| Managerial and professional specialty .....        | 581                  | 219               | 194           | 80             | 89                | 15.3                    | 7.6             | 37.4                           | 37.7      | 28.8                         | 29.1      |
| Technical, sales, and administrative support ..... | 1,361                | 592               | 485           | 171            | 114               | 11.6                    | 6.4             | 42.7                           | 43.5      | 22.5                         | 20.9      |
| Service occupations .....                          | 1,055                | 573               | 295           | 103            | 84                | 11.4                    | 4.1             | 49.3                           | 54.3      | 18.4                         | 17.7      |
| Precision production, craft, and repair .....      | 796                  | 365               | 264           | 76             | 91                | 12.8                    | 5.3             | 42.9                           | 45.9      | 26.0                         | 21.0      |
| Operators, fabricators, and laborers .....         | 1,617                | 792               | 499           | 172            | 155               | 11.3                    | 4.7             | 41.7                           | 49.0      | 24.6                         | 20.2      |
| Farming, forestry, and fishing .....               | 233                  | 118               | 68            | 32             | 15                | 11.1                    | 4.4             | 36.7                           | 50.6      | 22.4                         | 20.2      |
| <b>INDUSTRY<sup>1</sup></b>                        |                      |                   |               |                |                   |                         |                 |                                |           |                              |           |
| Agriculture .....                                  | 191                  | 92                | 55            | 30             | 14                | 11.1                    | 4.7             | 38.7                           | 48.2      | 16.9                         | 23.0      |
| Construction .....                                 | 667                  | 344               | 209           | 58             | 56                | 10.5                    | 4.4             | 49.6                           | 51.6      | 18.2                         | 17.1      |
| Manufacturing .....                                | 1,253                | 545               | 410           | 166            | 132               | 12.6                    | 6.0             | 35.3                           | 43.5      | 29.0                         | 23.8      |
| Durable goods .....                                | 723                  | 288               | 268           | 90             | 78                | 12.6                    | 6.3             | 35.6                           | 39.8      | 32.4                         | 23.1      |
| Nondurable goods .....                             | 531                  | 257               | 142           | 76             | 55                | 12.7                    | 5.0             | 34.9                           | 48.4      | 24.7                         | 24.7      |
| Transportation and public utilities .....          | 234                  | 101               | 76            | 27             | 30                | 14.7                    | 5.9             | 35.9                           | 43.2      | 32.0                         | 24.4      |
| Wholesale and retail trade .....                   | 1,452                | 719               | 464           | 156            | 112               | 10.8                    | 4.6             | 45.7                           | 49.5      | 22.8                         | 18.5      |
| Finance and service industries .....               | 1,508                | 684               | 502           | 166            | 156               | 12.5                    | 5.7             | 44.5                           | 45.4      | 20.6                         | 21.4      |
| Public administration .....                        | 132                  | 53                | 38            | 22             | 19                | 16.3                    | 8.0             | 33.3                           | 40.2      | 31.8                         | 31.1      |
| No previous work experience .....                  | 624                  | 317               | 213           | 49             | 45                | 9.8                     | 4.4             | 52.8                           | 50.8      | 17.7                         | 15.1      |

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

| Sex, age, and race             | December 1989        |                   |   |                           |                   |                        |                      |                  |                                |
|--------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|------------------|--------------------------------|
|                                | Thousands of persons |                   | Methods used as a percent of total jobseekers |                           |                   |                        |                      |                  | Average number of methods used |
|                                | Total unemployed     | Total job-seekers | Public employment agency                      | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives | Other            |                                |
| Total, 16 years and over ..... | 6,300                | 5,200             | 23.0  | 8.6                       | 73.4              | 38.6                   | 20.2                 | 3.9              | 1.68                           |
| 16 to 19 years .....           | 1,047                | 999               | 10.4  | 6.2                       | 80.1              | 27.3                   | 15.0                 | 3.2              | 1.42                           |
| 20 to 24 years .....           | 1,098                | 918               | 20.6  | 8.7                       | 77.9              | 35.5                   | 18.9                 | 2.7              | 1.64                           |
| 25 to 34 years .....           | 1,807                | 1,460             | 29.7  | 7.2                       | 70.2              | 44.3                   | 21.3                 | 4.0              | 1.77                           |
| 35 to 44 years .....           | 1,176                | 930               | 29.5  | 9.7                       | 69.0              | 46.6                   | 23.4                 | 5.4              | 1.84                           |
| 45 to 54 years .....           | 667                  | 509               | 24.6  | 13.7                      | 74.7              | 37.4                   | 20.0                 | 4.2              | 1.75                           |
| 55 to 64 years .....           | 413                  | 314               | 18.7  | 11.7                      | 65.3              | 37.3                   | 27.7                 | 3.7              | 1.64                           |
| 65 years and over .....        | 93                   | 70                | ( <sup>1</sup> )                              | ( <sup>1</sup> )          | ( <sup>1</sup> )  | ( <sup>1</sup> )       | ( <sup>1</sup> )     | ( <sup>1</sup> ) | ( <sup>1</sup> )               |
| Men, 16 years and over .....   | 3,565                | 2,821             | 24.0  | 9.8                       | 73.8              | 36.1                   | 22.7                 | 5.1              | 1.71                           |
| 16 to 19 years .....           | 613                  | 584               | 10.2  | 8.0                       | 78.7              | 25.2                   | 17.9                 | 4.3              | 1.44                           |
| 20 to 24 years .....           | 659                  | 528               | 21.3  | 9.4                       | 77.9              | 33.7                   | 21.4                 | 3.7              | 1.67                           |
| 25 to 34 years .....           | 946                  | 714               | 32.9  | 7.2                       | 70.2              | 40.4                   | 24.6                 | 5.1              | 1.80                           |
| 35 to 44 years .....           | 627                  | 460               | 29.4  | 11.1                      | 69.9              | 46.8                   | 27.2                 | 8.0              | 1.92                           |
| 45 to 54 years .....           | 389                  | 285               | 28.6  | 16.2                      | 76.5              | 35.6                   | 21.7                 | 4.9              | 1.83                           |
| 55 to 64 years .....           | 280                  | 209               | 22.3  | 14.1                      | 65.8              | 37.0                   | 27.5                 | 4.9              | 1.72                           |
| 65 years and over .....        | 51                   | 40                | ( <sup>1</sup> )                              | ( <sup>1</sup> )          | ( <sup>1</sup> )  | ( <sup>1</sup> )       | ( <sup>1</sup> )     | ( <sup>1</sup> ) | ( <sup>1</sup> )               |
| Women, 16 years and over ..... | 2,735                | 2,379             | 21.9  | 7.2                       | 73.0              | 41.6                   | 17.2                 | 2.5              | 1.63                           |
| 16 to 19 years .....           | 434                  | 415               | 10.6  | 3.6                       | 82.1              | 30.3                   | 11.0                 | 1.5              | 1.39                           |
| 20 to 24 years .....           | 439                  | 390               | 19.8  | 7.8                       | 77.9              | 38.0                   | 15.6                 | 1.4              | 1.61                           |
| 25 to 34 years .....           | 861                  | 745               | 26.5  | 7.1                       | 70.2              | 48.0                   | 18.1                 | 3.0              | 1.73                           |
| 35 to 44 years .....           | 549                  | 470               | 29.6  | 8.4                       | 68.2              | 46.5                   | 19.6                 | 3.0              | 1.75                           |
| 45 to 54 years .....           | 278                  | 224               | 19.6  | 10.7                      | 72.3              | 39.7                   | 17.9                 | 3.2              | 1.63                           |
| 55 to 64 years .....           | 133                  | 105               | 11.4  | 7.1                       | 64.4              | 38.0                   | 28.2                 | 1.2              | 1.50                           |
| 65 years and over .....        | 42                   | 29                | ( <sup>1</sup> )                              | ( <sup>1</sup> )          | ( <sup>1</sup> )  | ( <sup>1</sup> )       | ( <sup>1</sup> )     | ( <sup>1</sup> ) | ( <sup>1</sup> )               |
| White, 16 years and over ..... | 4,613                | 3,700             | 21.8  | 8.4                       | 74.7              | 40.0                   | 19.5                 | 4.2              | 1.69                           |
| Men .....                      | 2,669                | 2,037             | 22.7  | 9.4                       | 76.0              | 36.6                   | 22.0                 | 5.7              | 1.72                           |
| Women .....                    | 1,944                | 1,664             | 20.7  | 7.1                       | 73.1              | 44.2                   | 16.4                 | 2.4              | 1.64                           |
| Black, 16 years and over ..... | 1,498                | 1,335             | 27.1  | 9.1                       | 72.1              | 34.4                   | 22.2                 | 3.2              | 1.63                           |
| Men .....                      | 790                  | 696               | 28.0  | 10.7                      | 69.9              | 34.3                   | 24.6                 | 3.8              | 1.71                           |
| Women .....                    | 708                  | 640               | 26.1  | 7.4                       | 74.4              | 34.5                   | 19.5                 | 2.5              | 1.64                           |

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

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.

**A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

| Sex and reason                 | December 1989        |                   |   |                           |                   |                        |                      |       |                                |
|--------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|-------|--------------------------------|
|                                | Thousands of persons |                   | Methods used as a percent of total jobseekers |                           |                   |                        |                      |       | Average number of methods used |
|                                | Total unemployed     | Total job-seekers | Public employment agency                      | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives | Other |                                |
| Total, 16 years and over ..... | 6,300                | 5,200             | 23.0  | 8.6                       | 73.4              | 38.6                   | 20.2                 | 3.9   | 1.68                           |
| Job losers <sup>1</sup> .....  | 3,172                | 2,115             | 31.3  | 9.5                       | 75.4              | 40.4                   | 22.5                 | 3.7   | 1.83                           |
| Job leavers .....              | 962                  | 948               | 20.9  | 11.2                      | 73.8              | 44.1                   | 17.0                 | 2.5   | 1.69                           |
| Reentrants .....               | 1,615                | 1,590             | 17.2  | 6.8                       | 71.4              | 35.6                   | 18.0                 | 5.2   | 1.54                           |
| New entrants .....             | 551                  | 547               | 11.6  | 5.9                       | 71.1              | 31.1                   | 23.3                 | 3.3   | 1.46                           |
| Men, 16 years and over .....   | 3,565                | 2,821             | 24.0  | 9.8                       | 73.8              | 36.1                   | 22.7                 | 5.1   | 1.71                           |
| Job losers <sup>1</sup> .....  | 2,136                | 1,420             | 31.4  | 10.3                      | 76.4              | 39.4                   | 24.5                 | 4.4   | 1.86                           |
| Job leavers .....              | 479                  | 472               | 21.7  | 10.1                      | 71.2              | 40.0                   | 22.1                 | 2.8   | 1.68                           |
| Reentrants .....               | 643                  | 623               | 16.0  | 9.6                       | 70.6              | 29.4                   | 18.7                 | 8.7   | 1.53                           |
| New entrants .....             | 307                  | 306               | 9.4   | 7.4                       | 72.5              | 27.7                   | 23.5                 | 5.0   | 1.45                           |
| Women, 16 years and over ..... | 2,735                | 2,379             | 21.9  | 7.2                       | 73.0              | 41.6                   | 17.2                 | 2.5   | 1.63                           |
| Job losers <sup>1</sup> .....  | 1,036                | 696               | 31.2  | 7.9                       | 73.4              | 42.2                   | 18.3                 | 2.3   | 1.75                           |
| Job leavers .....              | 483                  | 476               | 20.1  | 12.3                      | 76.4              | 48.1                   | 11.9                 | 2.3   | 1.71                           |
| Reentrants .....               | 973                  | 967               | 18.0  | 5.0                       | 72.0              | 39.5                   | 17.5                 | 3.0   | 1.55                           |
| New entrants .....             | 244                  | 241               | 14.4  | 4.0                       | 69.3              | 35.5                   | 23.1                 | 1.2   | 1.47                           |

<sup>1</sup> 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.

**A-21. Employed civilians in agriculture and nonagricultural industries by age and sex**

(In thousands)

| Industry and age                 | Total        |              | Men          |              | Women        |              |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                  | Dec.<br>1988 | Dec.<br>1989 | Dec.<br>1988 | Dec.<br>1989 | Dec.<br>1988 | Dec.<br>1989 |
| All industries .....             | 115,978      | 117,698      | 63,111       | 64,075       | 52,867       | 53,623       |
| 16 to 19 years .....             | 6,519        | 6,377        | 3,252        | 3,213        | 3,267        | 3,164        |
| 16 to 17 years .....             | 2,534        | 2,391        | 1,220        | 1,169        | 1,314        | 1,222        |
| 18 to 19 years .....             | 3,985        | 3,986        | 2,032        | 2,044        | 1,953        | 1,942        |
| 20 to 24 years .....             | 12,961       | 12,451       | 6,681        | 6,499        | 6,281        | 5,952        |
| 25 to 54 years .....             | 81,645       | 83,910       | 44,686       | 45,919       | 36,959       | 37,991       |
| 25 to 34 years .....             | 33,938       | 34,233       | 18,806       | 18,916       | 15,132       | 15,316       |
| 35 to 44 years .....             | 28,892       | 30,098       | 15,628       | 16,299       | 13,265       | 13,799       |
| 45 to 54 years .....             | 18,815       | 19,580       | 10,252       | 10,704       | 8,563        | 8,877        |
| 55 to 64 years .....             | 11,589       | 11,608       | 6,562        | 6,492        | 5,027        | 5,116        |
| 55 to 59 years .....             | 6,964        | 6,898        | 3,915        | 3,866        | 3,049        | 3,033        |
| 60 to 64 years .....             | 4,625        | 4,710        | 2,647        | 2,627        | 1,978        | 2,083        |
| 65 years and over .....          | 3,264        | 3,352        | 1,931        | 1,952        | 1,333        | 1,400        |
| Agriculture .....                | 2,870        | 2,862        | 2,235        | 2,277        | 635          | 585          |
| 16 to 19 years .....             | 161          | 192          | 114          | 158          | 47           | 34           |
| 16 to 17 years .....             | 78           | 86           | 52           | 70           | 26           | 15           |
| 18 to 19 years .....             | 84           | 106          | 63           | 88           | 21           | 18           |
| 20 to 24 years .....             | 339          | 261          | 271          | 216          | 67           | 45           |
| 25 to 54 years .....             | 1,689        | 1,776        | 1,301        | 1,384        | 389          | 392          |
| 25 to 34 years .....             | 754          | 748          | 581          | 597          | 173          | 151          |
| 35 to 44 years .....             | 516          | 620          | 398          | 480          | 118          | 140          |
| 45 to 54 years .....             | 419          | 407          | 322          | 307          | 97           | 101          |
| 55 to 64 years .....             | 426          | 383          | 341          | 309          | 85           | 74           |
| 55 to 59 years .....             | 242          | 178          | 200          | 144          | 42           | 34           |
| 60 to 64 years .....             | 184          | 205          | 141          | 165          | 43           | 40           |
| 65 years and over .....          | 255          | 251          | 207          | 210          | 47           | 41           |
| Nonagricultural industries ..... | 113,108      | 114,836      | 60,876       | 61,797       | 52,232       | 53,038       |
| 16 to 19 years .....             | 6,358        | 6,185        | 3,138        | 3,055        | 3,220        | 3,130        |
| 16 to 17 years .....             | 2,456        | 2,305        | 1,168        | 1,099        | 1,288        | 1,206        |
| 18 to 19 years .....             | 3,902        | 3,880        | 1,970        | 1,956        | 1,932        | 1,924        |
| 20 to 24 years .....             | 12,623       | 12,190       | 6,409        | 6,283        | 6,214        | 5,907        |
| 25 to 54 years .....             | 79,955       | 82,135       | 43,385       | 44,535       | 36,571       | 37,600       |
| 25 to 34 years .....             | 33,183       | 33,484       | 18,224       | 18,320       | 14,959       | 15,165       |
| 35 to 44 years .....             | 28,376       | 29,477       | 15,230       | 15,819       | 13,146       | 13,659       |
| 45 to 54 years .....             | 18,395       | 19,173       | 9,930        | 10,397       | 8,465        | 8,776        |
| 55 to 64 years .....             | 11,163       | 11,225       | 6,221        | 6,183        | 4,942        | 5,042        |
| 55 to 59 years .....             | 6,722        | 6,720        | 3,715        | 3,722        | 3,007        | 2,998        |
| 60 to 64 years .....             | 4,440        | 4,505        | 2,506        | 2,461        | 1,935        | 2,044        |
| 65 years and over .....          | 3,009        | 3,101        | 1,723        | 1,741        | 1,286        | 1,360        |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-22. 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 |           |
|   | Dec. 1988         | Dec. 1989 | Dec. 1988         | Dec. 1989 | Dec. 1988         | Dec. 1989 | Dec. 1988         | Dec. 1989 | Dec. 1988         | Dec. 1989 |
| Total .....   | 115,978           | 117,698   | 63,111            | 64,075    | 59,858            | 60,862    | 52,867            | 53,623    | 49,601            | 50,459    |
| Managerial and professional specialty .....                     | 29,754            | 30,594    | 16,256            | 16,759    | 16,177            | 16,663    | 13,498            | 13,834    | 13,379            | 13,720    |
| Executive, administrative, and managerial .....                 | 14,306            | 14,648    | 8,647             | 8,907     | 8,607             | 8,866     | 5,659             | 5,741     | 5,609             | 5,698     |
| Officials and administrators, public administration .....       | 580               | 657       | 362               | 402       | 362               | 402       | 219               | 255       | 218               | 255       |
| Other executive, administrative, and managerial .....           | 9,981             | 10,171    | 6,515             | 6,576     | 6,479             | 6,540     | 3,465             | 3,596     | 3,424             | 3,567     |
| Management-related occupations .....                            | 3,745             | 3,820     | 1,770             | 1,930     | 1,766             | 1,924     | 1,975             | 1,890     | 1,968             | 1,876     |
| Professional specialty .....                                    | 15,449            | 15,946    | 7,609             | 7,852     | 7,571             | 7,797     | 7,839             | 8,094     | 7,770             | 8,022     |
| Engineers .....   | 1,716             | 1,919     | 1,609             | 1,796     | 1,609             | 1,796     | 107               | 122       | 107               | 120       |
| Mathematical and computer scientists .....                      | 729               | 847       | 487               | 549       | 486               | 548       | 242               | 298       | 241               | 298       |
| Natural scientists .....  | 369               | 396       | 255               | 283       | 255               | 283       | 113               | 113       | 113               | 113       |
| Health diagnosing occupations .....                             | 826               | 842       | 675               | 662       | 675               | 659       | 151               | 180       | 150               | 179       |
| Health assessment and treating occupations .....                | 2,211             | 2,199     | 314               | 300       | 314               | 297       | 1,898             | 1,900     | 1,898             | 1,890     |
| Teachers, college and university .....                          | 815               | 803       | 527               | 519       | 523               | 519       | 288               | 284       | 293               | 277       |
| Teachers, except college and university .....                   | 4,215             | 4,155     | 1,165             | 1,103     | 1,156             | 1,095     | 3,049             | 3,052     | 3,018             | 3,026     |
| Lawyers and judges .....  | 736               | 736       | 585               | 567       | 585               | 567       | 150               | 169       | 151               | 169       |
| Other professional specialty occupations .....                  | 3,832             | 4,049     | 1,991             | 2,073     | 1,968             | 2,033     | 1,840             | 1,976     | 1,810             | 1,950     |
| Technical, sales, and administrative support .....              | 36,088            | 36,997    | 12,727            | 12,967    | 11,997            | 12,257    | 23,361            | 24,030    | 21,503            | 22,211    |
| Technicians and related support .....                           | 3,593             | 3,735     | 1,833             | 1,929     | 1,809             | 1,895     | 1,761             | 1,807     | 1,745             | 1,787     |
| Health technologists and technicians .....                      | 1,296             | 1,269     | 226               | 208       | 224               | 206       | 1,070             | 1,061     | 1,066             | 1,048     |
| Engineering and science technicians .....                       | 1,151             | 1,130     | 914               | 893       | 895               | 876       | 238               | 238       | 231               | 233       |
| Technicians, except health, engineering, and science .....      | 1,146             | 1,336     | 693               | 828       | 690               | 814       | 453               | 508       | 448               | 505       |
| Sales occupations .....   | 14,292            | 14,676    | 7,114             | 7,340     | 6,668             | 6,892     | 7,179             | 7,336     | 6,010             | 6,184     |
| Supervisors and proprietors .....                               | 3,686             | 3,907     | 2,433             | 2,519     | 2,418             | 2,495     | 1,252             | 1,388     | 1,225             | 1,344     |
| Sales representatives, finance and business services .....      | 2,444             | 2,453     | 1,409             | 1,353     | 1,396             | 1,345     | 1,035             | 1,100     | 1,007             | 1,079     |
| Sales representatives, commodities, except retail .....         | 1,622             | 1,720     | 1,274             | 1,363     | 1,263             | 1,352     | 348               | 357       | 339               | 350       |
| Sales workers, retail and personal services .....               | 6,464             | 6,525     | 1,984             | 2,093     | 1,579             | 1,689     | 4,479             | 4,432     | 3,379             | 3,360     |
| Sales-related occupations .....                                 | 77                | 71        | 13                | 12        | 13                | 11        | 64                | 59        | 60                | 51        |
| Administrative support, including clerical .....                | 18,203            | 18,586    | 3,781             | 3,698     | 3,519             | 3,470     | 14,422            | 14,888    | 13,749            | 14,240    |
| Supervisors .....   | 749               | 738       | 298               | 330       | 298               | 325       | 451               | 408       | 446               | 407       |
| Computer equipment operators .....                              | 868               | 931       | 286               | 327       | 267               | 317       | 583               | 604       | 552               | 594       |
| Secretaries, stenographers, and typists .....                   | 4,791             | 4,937     | 88                | 92        | 80                | 80        | 4,703             | 4,845     | 4,531             | 4,683     |
| Financial records processing .....                              | 2,329             | 2,362     | 235               | 215       | 219               | 210       | 2,094             | 2,147     | 2,065             | 2,086     |
| Mail and message distributing .....                             | 1,012             | 966       | 621               | 601       | 594               | 570       | 391               | 365       | 376               | 344       |
| Other administrative support, including clerical .....          | 8,454             | 8,652     | 2,255             | 2,133     | 2,061             | 1,968     | 6,199             | 6,519     | 5,778             | 6,127     |
| Service occupations .....                                       | 15,645            | 15,364    | 6,050             | 6,013     | 5,161             | 5,140     | 9,595             | 9,351     | 8,584             | 8,396     |
| Private household .....   | 966               | 871       | 30                | 39        | 22                | 31        | 936               | 832       | 800               | 695       |
| Protective service .....  | 1,881             | 1,908     | 1,605             | 1,646     | 1,568             | 1,626     | 276               | 262       | 254               | 246       |
| Service, except private household and protective .....          | 12,797            | 12,584    | 4,415             | 4,328     | 3,571             | 3,483     | 8,382             | 8,257     | 7,530             | 7,455     |
| Food service .....  | 5,339             | 5,327     | 2,037             | 2,107     | 1,398             | 1,445     | 3,302             | 3,220     | 2,694             | 2,670     |
| Health service .....  | 2,001             | 1,983     | 189               | 178       | 179               | 170       | 1,811             | 1,805     | 1,747             | 1,733     |
| Cleaning and building service .....                             | 3,069             | 2,948     | 1,778             | 1,618     | 1,637             | 1,496     | 1,292             | 1,330     | 1,250             | 1,287     |
| Personal service .....  | 2,388             | 2,326     | 411               | 424       | 357               | 372       | 1,977             | 1,902     | 1,838             | 1,765     |
| Precision production, craft, and repair .....                   | 13,599            | 13,737    | 12,428            | 12,538    | 12,155            | 12,268    | 1,171             | 1,199     | 1,145             | 1,166     |
| Mechanics and repairers .....                                   | 4,349             | 4,478     | 4,205             | 4,324     | 4,110             | 4,244     | 144               | 155       | 142               | 152       |
| Construction trades .....                                       | 5,097             | 5,134     | 4,988             | 5,013     | 4,855             | 4,876     | 109               | 121       | 105               | 117       |
| Other precision production, craft, and repair .....             | 4,153             | 4,124     | 3,234             | 3,201     | 3,191             | 3,148     | 919               | 923       | 898               | 897       |
| Operators, fabricators, and laborers .....                      | 17,868            | 18,063    | 13,119            | 13,325    | 11,982            | 12,248    | 4,749             | 4,738     | 4,532             | 4,534     |
| Machine operators, assemblers, and inspectors .....             | 8,285             | 8,214     | 4,839             | 4,928     | 4,635             | 4,732     | 3,446             | 3,286     | 3,321             | 3,191     |
| Manufacturing industries .....                                  | 6,793             | 6,641     | 3,943             | 3,950     | 3,789             | 3,816     | 2,850             | 2,692     | 2,759             | 2,618     |
| Durable goods .....   | 3,691             | 3,721     | 2,508             | 2,577     | 2,433             | 2,503     | 1,183             | 1,143     | 1,154             | 1,119     |
| Nondurable goods .....  | 3,102             | 2,921     | 1,435             | 1,372     | 1,356             | 1,313     | 1,667             | 1,548     | 1,605             | 1,499     |
| Nonmanufacturing industries .....                               | 1,492             | 1,573     | 896               | 978       | 845               | 916       | 596               | 595       | 562               | 573       |
| Transportation and material moving occupations .....            | 4,869             | 4,857     | 4,424             | 4,387     | 4,276             | 4,265     | 445               | 470       | 439               | 453       |
| Motor vehicle operators .....                                   | 3,583             | 3,577     | 3,175             | 3,163     | 3,051             | 3,076     | 408               | 414       | 403               | 397       |
| Other transportation and material moving occupations .....      | 1,287             | 1,280     | 1,250             | 1,224     | 1,226             | 1,189     | 37                | 56        | 36                | 56        |
| Handlers, equipment cleaners, helpers, and laborers .....       | 4,714             | 4,992     | 3,856             | 4,010     | 3,072             | 3,251     | 858               | 981       | 772               | 890       |
| Construction laborers .....                                     | 717               | 738       | 696               | 706       | 646               | 656       | 20                | 32        | 20                | 31        |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 3,996             | 4,254     | 3,160             | 3,304     | 2,425             | 2,595     | 838               | 949       | 752               | 859       |
| Farming, forestry, and fishing .....                            | 3,024             | 2,944     | 2,530             | 2,473     | 2,386             | 2,286     | 494               | 471       | 457               | 432       |
| Farm operators and managers .....                               | 1,168             | 1,168     | 1,007             | 1,007     | 999               | 994       | 161               | 161       | 159               | 160       |
| Other farming, forestry, and fishing occupations .....          | 1,855             | 1,776     | 1,523             | 1,466     | 1,386             | 1,292     | 333               | 310       | 299               | 273       |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-23. Employed civilians by occupation, race, and sex**

(Percent distribution)

| Occupation and race                                       | Total     |           | Men              |           | Women     |           |
|---|-----------|-----------|------------------|-----------|-----------|-----------|
|   | Dec. 1988 | Dec. 1989 | Dec. 1988        | Dec. 1989 | Dec. 1988 | Dec. 1989 |
| <b>TOTAL</b>  |           |           |                  |           |           |           |
| Total, 16 years and over (thousands) .....                | 115,978   | 117,698   | 63,111           | 64,075    | 52,867    | 53,623    |
| Percent .....   | 100.0     | 100.0     | 100.0            | 100.0     | 100.0     | 100.0     |
| Managerial and professional specialty .....               | 25.7      | 26.0      | 25.8             | 26.2      | 25.5      | 25.8      |
| Executive, administrative, and managerial .....           | 12.3      | 12.4      | 13.7             | 13.9      | 10.7      | 10.7      |
| Professional specialty .....                              | 13.3      | 13.5      | 12.1             | 12.3      | 14.8      | 15.1      |
| Technical, sales, and administrative support .....        | 31.1      | 31.4      | 20.2             | 20.2      | 44.2      | 44.8      |
| Technicians and related support .....                     | 3.1       | 3.2       | 2.9              | 3.0       | 3.3       | 3.4       |
| Sales occupations .....                                   | 12.3      | 12.5      | 11.3             | 11.5      | 13.6      | 13.7      |
| Administrative support, including clerical .....          | 15.7      | 15.8      | 6.0              | 5.8       | 27.3      | 27.8      |
| Service occupations .....                                 | 13.5      | 13.1      | 9.6              | 9.4       | 18.1      | 17.4      |
| Private household .....                                   | .8        | .7        | ( <sup>1</sup> ) | .1        | 1.8       | 1.6       |
| Protective service .....                                  | 1.6       | 1.6       | 2.5              | 2.6       | .5        | .5        |
| Service, except private household and protective .....    | 11.0      | 10.7      | 7.0              | 6.8       | 15.9      | 15.4      |
| Precision production, craft, and repair .....             | 11.7      | 11.7      | 19.7             | 19.6      | 2.2       | 2.2       |
| Operators, fabricators, and laborers .....                | 15.4      | 15.3      | 20.8             | 20.8      | 9.0       | 8.8       |
| Machine operators, assemblers, and inspectors .....       | 7.1       | 7.0       | 7.7              | 7.7       | 6.5       | 6.1       |
| Transportation and material moving occupations .....      | 4.2       | 4.1       | 7.0              | 6.8       | .8        | .9        |
| Handlers, equipment cleaners, helpers, and laborers ..... | 4.1       | 4.2       | 6.1              | 6.3       | 1.6       | 1.8       |
| Farming, forestry, and fishing .....                      | 2.6       | 2.5       | 4.0              | 3.9       | .9        | .9        |
| <b>White</b>  |           |           |                  |           |           |           |
| Total, 16 years and over (thousands) .....                | 100,423   | 101,793   | 55,338           | 56,106    | 45,085    | 45,687    |
| Percent .....   | 100.0     | 100.0     | 100.0            | 100.0     | 100.0     | 100.0     |
| Managerial and professional specialty .....               | 26.9      | 27.2      | 27.1             | 27.3      | 26.7      | 27.0      |
| Executive, administrative, and managerial .....           | 13.1      | 13.2      | 14.6             | 14.7      | 11.3      | 11.4      |
| Professional specialty .....                              | 13.8      | 14.0      | 12.5             | 12.7      | 15.4      | 15.7      |
| Technical, sales, and administrative support .....        | 31.4      | 31.8      | 20.4             | 20.5      | 44.9      | 45.6      |
| Technicians and related support .....                     | 3.1       | 3.2       | 2.9              | 3.0       | 3.3       | 3.3       |
| Sales occupations .....                                   | 12.9      | 13.0      | 11.9             | 12.1      | 14.0      | 14.2      |
| Administrative support, including clerical .....          | 15.4      | 15.6      | 5.5              | 5.4       | 27.6      | 28.1      |
| Service occupations .....                                 | 12.3      | 11.9      | 8.7              | 8.5       | 16.8      | 16.1      |
| Private household .....                                   | .7        | .6        | ( <sup>1</sup> ) | .1        | 1.6       | 1.3       |
| Protective service .....                                  | 1.6       | 1.6       | 2.4              | 2.5       | .5        | .4        |
| Service, except private household and protective .....    | 10.1      | 9.7       | 6.3              | 5.9       | 14.7      | 14.3      |
| Precision production, craft, and repair .....             | 12.2      | 12.1      | 20.3             | 20.2      | 2.2       | 2.2       |
| Operators, fabricators, and laborers .....                | 14.5      | 14.4      | 19.4             | 19.6      | 8.4       | 8.1       |
| Machine operators, assemblers, and inspectors .....       | 6.7       | 6.5       | 7.2              | 7.3       | 6.1       | 5.5       |
| Transportation and material moving occupations .....      | 4.0       | 4.0       | 6.6              | 6.5       | .8        | .8        |
| Handlers, equipment cleaners, helpers, and laborers ..... | 3.8       | 3.9       | 5.6              | 5.8       | 1.5       | 1.7       |
| Farming, forestry, and fishing .....                      | 2.7       | 2.6       | 4.1              | 4.0       | 1.0       | 1.0       |
| <b>Black</b>  |           |           |                  |           |           |           |
| Total, 16 years and over (thousands) .....                | 11,938    | 11,989    | 5,863            | 5,893     | 6,075     | 6,096     |
| Percent .....   | 100.0     | 100.0     | 100.0            | 100.0     | 100.0     | 100.0     |
| Managerial and professional specialty .....               | 15.1      | 15.4      | 12.7             | 13.8      | 17.4      | 17.0      |
| Executive, administrative, and managerial .....           | 6.7       | 6.7       | 6.3              | 7.1       | 7.1       | 6.4       |
| Professional specialty .....                              | 8.4       | 8.7       | 6.4              | 6.7       | 10.3      | 10.6      |
| Technical, sales, and administrative support .....        | 28.8      | 28.7      | 17.5             | 17.1      | 39.7      | 39.8      |
| Technicians and related support .....                     | 2.6       | 2.8       | 2.0              | 2.3       | 3.3       | 3.4       |
| Sales occupations .....                                   | 8.2       | 7.9       | 5.6              | 5.8       | 10.7      | 9.9       |
| Administrative support, including clerical .....          | 18.0      | 17.9      | 9.8              | 9.0       | 25.8      | 26.6      |
| Service occupations .....                                 | 22.5      | 22.3      | 16.8             | 17.4      | 28.1      | 27.1      |
| Private household .....                                   | 1.8       | 1.9       | ( <sup>1</sup> ) | -         | 3.5       | 3.6       |
| Protective service .....                                  | 2.4       | 2.4       | 3.8              | 4.0       | 1.0       | .9        |
| Service, except private household and protective .....    | 18.4      | 18.0      | 12.9             | 13.4      | 23.6      | 22.5      |
| Precision production, craft, and repair .....             | 8.7       | 8.8       | 15.4             | 15.3      | 2.2       | 2.5       |
| Operators, fabricators, and laborers .....                | 23.0      | 23.2      | 34.1             | 33.3      | 12.4      | 13.5      |
| Machine operators, assemblers, and inspectors .....       | 10.1      | 10.2      | 11.7             | 11.0      | 8.6       | 9.4       |
| Transportation and material moving occupations .....      | 6.2       | 6.1       | 11.4             | 11.2      | 1.2       | 1.3       |
| Handlers, equipment cleaners, helpers, and laborers ..... | 6.7       | 6.9       | 10.9             | 11.1      | 2.6       | 2.8       |
| Farming, forestry, and fishing .....                      | 1.9       | 1.6       | 3.6              | 3.2       | .3        | .1        |

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Employed civilians by age, sex, and class of worker**

(In thousands)

| Age and sex                    | December 1989              |                           |            |        |                       |                       |                         |                       |                       |
|--------------------------------|----------------------------|---------------------------|------------|--------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|
|                                | 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 ..... | 105,919                    | 1,051                     | 18,035     | 86,833 | 8,679                 | 237                   | 1,505                   | 1,257                 | 99                    |
| 16 to 19 years .....           | 6,118                      | 166                       | 255        | 5,697  | 57                    | 10                    | 158                     | 15                    | 20                    |
| 16 to 17 years .....           | 2,279                      | 120                       | 56         | 2,103  | 23                    | 3                     | 66                      | 9                     | 11                    |
| 18 to 19 years .....           | 3,839                      | 46                        | 199        | 3,594  | 34                    | 7                     | 92                      | 6                     | 9                     |
| 20 to 24 years .....           | 11,887                     | 101                       | 1,073      | 10,714 | 287                   | 16                    | 224                     | 21                    | 15                    |
| 25 to 34 years .....           | 31,436                     | 177                       | 4,427      | 26,832 | 2,008                 | 40                    | 500                     | 240                   | 8                     |
| 35 to 44 years .....           | 26,923                     | 165                       | 5,637      | 21,122 | 2,500                 | 54                    | 311                     | 288                   | 22                    |
| 45 to 54 years .....           | 17,213                     | 158                       | 4,030      | 13,025 | 1,897                 | 63                    | 161                     | 234                   | 12                    |
| 55 to 64 years .....           | 9,845                      | 183                       | 2,162      | 7,500  | 1,339                 | 41                    | 112                     | 258                   | 13                    |
| 55 to 59 years .....           | 5,933                      | 102                       | 1,348      | 4,483  | 766                   | 21                    | 45                      | 125                   | 8                     |
| 60 to 64 years .....           | 3,912                      | 81                        | 814        | 3,017  | 573                   | 20                    | 67                      | 133                   | 5                     |
| 65 years and over .....        | 2,496                      | 101                       | 451        | 1,943  | 592                   | 13                    | 40                      | 202                   | 9                     |
| Men, 16 years and over .....   | 56,193                     | 122                       | 8,274      | 47,797 | 5,575                 | 29                    | 1,186                   | 1,057                 | 34                    |
| 16 to 19 years .....           | 3,022                      | 26                        | 99         | 2,897  | 31                    | 2                     | 133                     | 10                    | 16                    |
| 16 to 17 years .....           | 1,089                      | 16                        | 20         | 1,053  | 10                    | -                     | 56                      | 6                     | 8                     |
| 18 to 19 years .....           | 1,933                      | 10                        | 80         | 1,843  | 21                    | 1                     | 76                      | 3                     | 8                     |
| 20 to 24 years .....           | 6,090                      | 10                        | 480        | 5,600  | 185                   | 9                     | 185                     | 21                    | 10                    |
| 25 to 34 years .....           | 17,033                     | 32                        | 2,039      | 14,962 | 1,282                 | 5                     | 392                     | 204                   | 1                     |
| 35 to 44 years .....           | 14,212                     | 12                        | 2,525      | 11,675 | 1,605                 | 2                     | 246                     | 235                   | -                     |
| 45 to 54 years .....           | 9,197                      | 17                        | 1,894      | 7,286  | 1,199                 | 2                     | 116                     | 188                   | 2                     |
| 55 to 64 years .....           | 5,310                      | 16                        | 1,012      | 4,282  | 867                   | 7                     | 86                      | 220                   | 3                     |
| 55 to 59 years .....           | 3,252                      | 6                         | 635        | 2,612  | 467                   | 3                     | 31                      | 112                   | 1                     |
| 60 to 64 years .....           | 2,058                      | 11                        | 377        | 1,670  | 399                   | 4                     | 54                      | 109                   | 2                     |
| 65 years and over .....        | 1,330                      | 9                         | 225        | 1,096  | 407                   | 4                     | 28                      | 180                   | 2                     |
| Women, 16 years and over ..... | 49,727                     | 929                       | 9,762      | 39,036 | 3,104                 | 208                   | 320                     | 200                   | 65                    |
| 16 to 19 years .....           | 3,096                      | 140                       | 156        | 2,800  | 26                    | 8                     | 25                      | 5                     | 4                     |
| 16 to 17 years .....           | 1,190                      | 104                       | 36         | 1,050  | 13                    | 3                     | 9                       | 3                     | 3                     |
| 18 to 19 years .....           | 1,906                      | 36                        | 120        | 1,751  | 13                    | 5                     | 15                      | 2                     | -                     |
| 20 to 24 years .....           | 5,797                      | 91                        | 593        | 5,114  | 102                   | 8                     | 39                      | 1                     | 5                     |
| 25 to 34 years .....           | 14,403                     | 145                       | 2,388      | 11,870 | 726                   | 36                    | 108                     | 36                    | 7                     |
| 35 to 44 years .....           | 12,712                     | 153                       | 3,112      | 9,447  | 894                   | 53                    | 65                      | 53                    | 22                    |
| 45 to 54 years .....           | 8,017                      | 141                       | 2,137      | 5,739  | 699                   | 61                    | 45                      | 45                    | 10                    |
| 55 to 64 years .....           | 4,535                      | 167                       | 1,150      | 3,219  | 473                   | 34                    | 26                      | 38                    | 10                    |
| 55 to 59 years .....           | 2,681                      | 96                        | 713        | 1,872  | 299                   | 18                    | 13                      | 13                    | 8                     |
| 60 to 64 years .....           | 1,854                      | 70                        | 437        | 1,347  | 174                   | 16                    | 13                      | 24                    | 3                     |
| 65 years and over .....        | 1,166                      | 92                        | 227        | 848    | 185                   | 9                     | 11                      | 22                    | 7                     |



**A-25. Employed civilians by industry and occupation**

(In thousands)

| Industry                                  | December 1989  |   |                        |  |        |  |                     |                            |   |   |                                    |   | Farming, forestry, and fishing |
|---|----------------|---|------------------------|--|--------|--|---------------------|----------------------------|---|---|------------------------------------|---|--------------------------------|
|   | Total employed | Managerial and professional specialty     |                        | Technical, sales, and administrative support |        |  | Service occupations |                            | Precision production, craft, and repair | Operators, fabricators, and laborers          |                                    |   |                                |
|   |                | Executive, administrative, and managerial | Professional specialty | Technicians and related support              | Sales  | Administrative support, including clerical | Private household   | Other service <sup>1</sup> |   | Machine operators, assemblers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers |                                |
| Agriculture .....                         | 2,862          | 86  | 84                     | 27   | 23     | 104  | -                   | 18                         | 54                                      | 13  | 39                                 | 25  | 2,390                          |
| Mining .....                              | 710            | 104                                       | 73                     | 15   | 13     | 89   | -                   | 10                         | 221                                     | 25  | 133                                | 27  | -                              |
| Construction .....                        | 7,698          | 1,013                                     | 157                    | 50   | 88     | 447  | -                   | 32                         | 4,404                                   | 152   | 547                                | 794   | 13                             |
| Manufacturing .....                       | 21,666         | 2,635                                     | 1,864                  | 767  | 804    | 2,401                                      | -                   | 382                        | 4,082                                   | 6,641   | 755                                | 1,249   | 86                             |
| Durable goods .....                       | 12,981         | 1,612                                     | 1,277                  | 567  | 353    | 1,381                                      | -                   | 212                        | 2,796                                   | 3,721   | 383                                | 603   | 77                             |
| Nondurable goods .....                    | 8,685          | 1,023                                     | 587                    | 200  | 450    | 1,021                                      | -                   | 171                        | 1,286                                   | 2,921   | 372                                | 645   | 9                              |
| Transportation and public utilities ..... | 8,174          | 923                                       | 477                    | 310  | 344    | 2,153                                      | -                   | 272                        | 1,265                                   | 90  | 1,795                              | 538   | 7                              |
| Wholesale and retail trade .....          | 24,653         | 1,970                                     | 482                    | 128  | 10,463 | 2,415                                      | -                   | 4,467                      | 1,500                                   | 353   | 914                                | 1,929   | 32                             |
| Wholesale trade .....                     | 4,594          | 510                                       | 83                     | 43   | 1,962  | 772  | -                   | 59                         | 290                                     | 145   | 412                                | 307   | 11                             |
| Retail trade .....                        | 20,060         | 1,460                                     | 398                    | 86   | 8,501  | 1,643                                      | -                   | 4,408                      | 1,210                                   | 208   | 502                                | 1,623   | 21                             |
| Finance, insurance, and real estate ..... | 7,982          | 2,057                                     | 218                    | 134  | 1,947  | 3,107                                      | -                   | 253                        | 154                                     | 22  | 16                                 | 27  | 48                             |
| Services .....                            | 38,497         | 4,569                                     | 11,896                 | 2,053  | 965    | 6,442                                      | 871                 | 7,726                      | 1,821                                   | 879   | 596                                | 345   | 334                            |
| Private households .....                  | 1,068          | 2   | 11                     | 4  | 1      | 1  | 871                 | 85                         | 16                                      | 1   | 5                                  | 20  | 52                             |
| Other service industries .....            | 37,429         | 4,567                                     | 11,886                 | 2,048  | 964    | 6,441                                      | -                   | 7,641                      | 1,805                                   | 878   | 591                                | 325   | 283                            |
| Professional services .....               | 25,170         | 2,598                                     | 10,577                 | 1,647  | 195    | 4,699                                      | -                   | 4,328                      | 351                                     | 285   | 315                                | 78  | 96                             |
| Public administration .....               | 5,455          | 1,291                                     | 695                    | 251  | 28     | 1,427                                      | -                   | 1,333                      | 237                                     | 39  | 63                                 | 57  | 33                             |

<sup>1</sup> Includes protective service, not shown separately.

**A-26. 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 |           |                                      |                  |                  |                  |
|--------------------------------------|----------------|-----------|----------------------------|-----------|--------------------------------------|------------------|------------------|------------------|
|                                      | Dec. 1988      | Dec. 1989 | Total                      |           | Wage and salary workers <sup>1</sup> |                  |                  |                  |
|                                      |                |           | Dec. 1988                  | Dec. 1989 | Paid absences                        |                  | Unpaid absences  |                  |
|                                      | Dec. 1988      | Dec. 1989 |                            |           | Dec. 1988                            | Dec. 1989        | Dec. 1988        | Dec. 1989        |
| Total, 16 years and over .....       | 3,678          | 4,097     | 3,546                      | 3,972     | 1,533                                | 1,602            | 1,584            | 1,871            |
| Vacation .....                       | 1,200          | 1,315     | 1,176                      | 1,285     | 842                                  | 791              | 226              | 341              |
| Illness .....                        | 1,339          | 1,442     | 1,298                      | 1,408     | 518                                  | 543              | 686              | 769              |
| Bad weather .....                    | 72             | 144       | 46                         | 121       | ( <sup>2</sup> )                     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Industrial dispute .....             | 13             | 30        | 13                         | 30        | ( <sup>2</sup> )                     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| All other reasons .....              | 1,054          | 1,166     | 1,013                      | 1,127     | 173                                  | 268              | 673              | 761              |
| Men, 16 years and over .....         | 1,947          | 2,180     | 1,838                      | 2,077     | 862                                  | 880              | 719              | 878              |
| Vacation .....                       | 721            | 769       | 699                        | 745       | 539                                  | 496              | 106              | 162              |
| Illness .....                        | 688            | 776       | 660                        | 746       | 253                                  | 280              | 345              | 401              |
| All other reasons <sup>3</sup> ..... | 538            | 635       | 479                        | 586       | 69                                   | 105              | 268              | 315              |
| Women, 16 years and over .....       | 1,731          | 1,916     | 1,708                      | 1,895     | 671                                  | 723              | 865              | 993              |
| Vacation .....                       | 478            | 545       | 476                        | 540       | 303                                  | 295              | 119              | 179              |
| Illness .....                        | 651            | 666       | 638                        | 663       | 264                                  | 265              | 341              | 368              |
| All other reasons <sup>3</sup> ..... | 602            | 705       | 593                        | 693       | 104                                  | 163              | 405              | 445              |

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

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

<sup>3</sup> 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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-27. Persons at work by hours of work and type of industry**

| Hours of work                                       | December 1989        |             |                            |                      |             |                            |
|---|----------------------|-------------|----------------------------|----------------------|-------------|----------------------------|
|   | Thousands of persons |             |                            | Percent distribution |             |                            |
|   | All industries       | Agriculture | Nonagricultural industries | All industries       | Agriculture | Nonagricultural industries |
| Total, 16 years and over .....                      | 113,601              | 2,737       | 110,864                    | 100.0                | 100.0       | 100.0                      |
| 1 to 34 hours .....                                 | 26,658               | 824         | 25,833                     | 23.5                 | 30.1        | 23.3                       |
| 1 to 4 hours .....                                  | 748                  | 27          | 721                        | .7                   | 1.0         | .7                         |
| 5 to 14 hours .....                                 | 4,527                | 178         | 4,349                      | 4.0                  | 6.5         | 3.9                        |
| 15 to 29 hours .....                                | 13,693               | 440         | 13,253                     | 12.1                 | 16.1        | 12.0                       |
| 30 to 34 hours .....                                | 7,690                | 180         | 7,511                      | 6.8                  | 6.6         | 6.8                        |
| 35 hours and over .....                             | 86,943               | 1,913       | 85,031                     | 76.5                 | 69.9        | 76.7                       |
| 35 to 39 hours .....                                | 7,384                | 132         | 7,252                      | 6.5                  | 4.8         | 6.5                        |
| 40 hours .....                                      | 44,662               | 617         | 44,045                     | 39.3                 | 22.5        | 39.7                       |
| 41 hours and over .....                             | 34,898               | 1,164       | 33,734                     | 30.7                 | 42.5        | 30.4                       |
| 41 to 48 hours .....                                | 12,345               | 211         | 12,134                     | 10.9                 | 7.7         | 10.9                       |
| 49 to 59 hours .....                                | 13,233               | 414         | 12,820                     | 11.6                 | 15.1        | 11.6                       |
| 60 hours and over .....                             | 9,319                | 539         | 8,780                      | 8.2                  | 19.7        | 7.9                        |
| Average hours, total at work .....                  | 39.5                 | 41.9        | 39.4                       | -                    | -           | -                          |
| Average hours, workers on full-time schedules ..... | 43.9                 | 48.1        | 43.8                       | -                    | -           | -                          |

**A-28. 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                      | December 1989  |                        |                        |                            |                        |                        |
|--|----------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
|  | 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 .....                             | 26,658         | 7,318                  | 19,340                 | 25,833                     | 6,951                  | 18,882                 |
| Economic reasons .....                                     | 4,709          | 1,835                  | 2,874                  | 4,485                      | 1,709                  | 2,776                  |
| Slack work .....   | 2,333          | 1,484                  | 849                    | 2,151                      | 1,372                  | 779                    |
| Material shortages or repairs to plant and equipment ..... | 76             | 76                     | -                      | 73                         | 73                     | -                      |
| New job started during week .....                          | 197            | 197                    | -                      | 190                        | 190                    | -                      |
| Job terminated during week .....                           | 78             | 78                     | -                      | 73                         | 73                     | -                      |
| Could find only part-time work .....                       | 2,026          | -                      | 2,026                  | 1,998                      | -                      | 1,998                  |
| Other reasons .....  | 21,948         | 5,483                  | 16,465                 | 21,349                     | 5,243                  | 16,106                 |
| Does not want, or unavailable for, full-time work .....    | 13,549         | -                      | 13,549                 | 13,275                     | -                      | 13,275                 |
| Vacation .....   | 1,165          | 1,165                  | -                      | 1,151                      | 1,151                  | -                      |
| Illness .....  | 1,861          | 1,705                  | 156                    | 1,833                      | 1,679                  | 154                    |
| Bad weather .....  | 964            | 964                    | -                      | 884                        | 884                    | -                      |
| Industrial dispute .....                                   | 2              | 2                      | -                      | 2                          | 2                      | -                      |
| Legal or religious holiday .....                           | 17             | 17                     | -                      | 15                         | 15                     | -                      |
| Full time for this job .....                               | 1,963          | -                      | 1,963                  | 1,935                      | -                      | 1,935                  |
| All other reasons .....                                    | 2,428          | 1,630                  | 798                    | 2,253                      | 1,512                  | 741                    |
| Average hours:   |                |                        |                        |                            |                        |                        |
| Economic reasons .....                                     | 22.2           | 23.9                   | 21.1                   | 22.2                       | 24.0                   | 21.2                   |
| Other reasons .....  | 21.3           | 26.4                   | 19.6                   | 21.3                       | 26.6                   | 19.6                   |
| Worked 30 to 34 hours:                                     |                |                        |                        |                            |                        |                        |
| Economic reasons .....                                     | 1,527          | 796                    | 731                    | 1,484                      | 768                    | 716                    |
| Other reasons .....  | 6,164          | 3,053                  | 3,111                  | 6,027                      | 2,959                  | 3,068                  |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status**

(Numbers in thousands)

| Industry                                  | December 1989 |                                   |                        |                        |                  |                |                  |                              |   |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
|   | 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 .....            | 110,864       | 4,485                             | 16,106                 | 90,274                 | 56,540           | 12,134         | 21,600           | 39.4                         | 43.8  |
| Wage and salary workers .....             | 102,414       | 3,869                             | 14,515                 | 84,030                 | 53,665           | 11,528         | 18,837           | 39.4                         | 43.5  |
| Mining .....                              | 649           | 15                                | 15                     | 619                    | 307              | 114            | 199              | 46.7                         | 47.9  |
| Construction .....                        | 5,998         | 361                               | 234                    | 5,403                  | 3,604            | 642            | 1,157            | 40.7                         | 42.8  |
| Manufacturing .....                       | 20,528        | 441                               | 687                    | 19,399                 | 12,008           | 3,262          | 4,129            | 42.3                         | 43.5  |
| Durable goods .....                       | 12,308        | 204                               | 249                    | 11,855                 | 7,240            | 2,014          | 2,602            | 42.9                         | 43.7  |
| Nondurable goods .....                    | 8,220         | 238                               | 438                    | 7,544                  | 4,768            | 1,248          | 1,527            | 41.5                         | 43.2  |
| Transportation and public utilities ..... | 7,489         | 198                               | 480                    | 6,811                  | 4,130            | 984            | 1,697            | 42.5                         | 44.5  |
| Wholesale and retail trade .....          | 22,001        | 1,244                             | 5,435                  | 15,323                 | 8,957            | 2,335          | 4,031            | 37.1                         | 44.4  |
| Finance, insurance, and real estate ..... | 7,116         | 134                               | 652                    | 6,331                  | 4,286            | 722            | 1,323            | 40.3                         | 42.7  |
| Service industries .....                  | 33,370        | 1,434                             | 6,815                  | 25,121                 | 16,682           | 2,934          | 5,505            | 37.5                         | 43.3  |
| Private households .....                  | 1,031         | 194                               | 453                    | 385                    | 249              | 53             | 82               | 26.6                         | 44.9  |
| All other industries .....                | 32,339        | 1,240                             | 6,362                  | 24,737                 | 16,433           | 2,881          | 5,423            | 37.8                         | 43.3  |
| Public administration .....               | 5,264         | 43                                | 197                    | 5,023                  | 3,692            | 536            | 796              | 41.3                         | 42.4  |
| Self-employed workers .....               | 8,213         | 607                               | 1,484                  | 6,121                  | 2,797            | 598            | 2,726            | 40.2                         | 47.7  |
| Unpaid family workers .....               | 237           | 8                                 | 106                    | 123                    | 78               | 9              | 37               | 34.8                         | 45.4  |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-30. 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    | December 1989 |                                   |                        |                        |                  |                  |                              |   |
|---------------------------------------|---------------|-----------------------------------|------------------------|------------------------|------------------|------------------|------------------------------|---|
|                                       | Total at work | On part time for economic reasons | On voluntary part time | On full-time schedules |                  |                  | Average hours, total at work | Average hours, workers on full-time schedules |
|                                       |               |                                   |                        | Total                  | 40 hours or less | 41 hours or more |                              |   |
| <b>TOTAL</b>                          |               |                                   |                        |                        |                  |                  |                              |   |
| Total, 16 years and over .....        | 110,864       | 4,485                             | 16,106                 | 90,274                 | 56,540           | 33,734           | 39.4                         | 43.8  |
| 16 to 19 years .....                  | 5,997         | 390                               | 3,756                  | 1,851                  | 1,462            | 388              | 24.3                         | 39.9  |
| 16 to 17 years .....                  | 2,234         | 50                                | 2,007                  | 177                    | 148              | 29               | 17.5                         | 37.5  |
| 18 to 19 years .....                  | 3,763         | 340                               | 1,749                  | 1,674                  | 1,315            | 359              | 28.4                         | 40.2  |
| 20 years and over .....               | 104,867       | 4,095                             | 12,349                 | 88,423                 | 55,077           | 33,345           | 40.3                         | 43.9  |
| 20 to 24 years .....                  | 11,839        | 692                               | 2,265                  | 8,882                  | 6,123            | 2,759            | 36.9                         | 42.5  |
| 25 years and over .....               | 93,028        | 3,403                             | 10,085                 | 79,540                 | 48,954           | 30,586           | 40.7                         | 44.1  |
| 25 to 44 years .....                  | 60,964        | 2,209                             | 5,470                  | 53,285                 | 32,217           | 21,068           | 41.3                         | 44.2  |
| 45 to 64 years .....                  | 29,185        | 1,066                             | 3,215                  | 24,904                 | 15,787           | 9,117            | 40.6                         | 43.9  |
| 65 years and over .....               | 2,879         | 128                               | 1,400                  | 1,351                  | 950              | 402              | 29.4                         | 42.8  |
| <b>Men, 16 years and over</b> .....   | 59,721        | 2,079                             | 4,801                  | 52,840                 | 29,244           | 23,596           | 42.4                         | 45.3  |
| 16 to 19 years .....                  | 2,948         | 193                               | 1,716                  | 1,039                  | 798              | 241              | 25.5                         | 40.1  |
| 16 to 17 years .....                  | 1,056         | 35                                | 919                    | 102                    | 88               | 14               | 18.3                         | 36.2  |
| 18 to 19 years .....                  | 1,891         | 158                               | 796                    | 937                    | 709              | 228              | 29.5                         | 40.5  |
| 20 years and over .....               | 56,773        | 1,886                             | 3,086                  | 51,801                 | 28,447           | 23,355           | 43.2                         | 45.4  |
| 20 to 24 years .....                  | 6,135         | 390                               | 948                    | 4,797                  | 3,079            | 1,718            | 38.4                         | 43.4  |
| 25 years and over .....               | 50,638        | 1,496                             | 2,138                  | 47,005                 | 25,368           | 21,637           | 43.8                         | 45.6  |
| 25 to 44 years .....                  | 33,148        | 1,000                             | 754                    | 31,394                 | 16,405           | 14,989           | 44.6                         | 45.8  |
| 45 to 64 years .....                  | 15,868        | 431                               | 658                    | 14,779                 | 8,425            | 6,354            | 43.6                         | 45.2  |
| 65 years and over .....               | 1,623         | 65                                | 726                    | 831                    | 538              | 293              | 31.1                         | 44.0  |
| <b>Women, 16 years and over</b> ..... | 51,143        | 2,406                             | 11,304                 | 37,433                 | 27,295           | 10,138           | 36.0                         | 41.7  |
| 16 to 19 years .....                  | 3,049         | 197                               | 2,040                  | 812                    | 665              | 147              | 23.2                         | 39.7  |
| 16 to 17 years .....                  | 1,177         | 15                                | 1,087                  | 75                     | 60               | 15               | 16.8                         | 39.3  |
| 18 to 19 years .....                  | 1,872         | 182                               | 953                    | 737                    | 605              | 132              | 27.3                         | 39.8  |
| 20 years and over .....               | 48,094        | 2,209                             | 9,264                  | 36,621                 | 26,630           | 9,991            | 36.8                         | 41.8  |
| 20 to 24 years .....                  | 5,704         | 302                               | 1,317                  | 4,085                  | 3,044            | 1,042            | 35.3                         | 41.3  |
| 25 years and over .....               | 42,390        | 1,907                             | 7,947                  | 32,536                 | 23,587           | 8,949            | 37.0                         | 41.8  |
| 25 to 44 years .....                  | 27,816        | 1,209                             | 4,716                  | 21,891                 | 15,815           | 6,076            | 37.5                         | 41.8  |
| 45 to 64 years .....                  | 13,317        | 635                               | 2,558                  | 10,124                 | 7,361            | 2,763            | 37.0                         | 41.9  |
| 65 years and over .....               | 1,256         | 62                                | 674                    | 520                    | 411              | 109              | 27.2                         | 40.9  |
| <b>RACE</b>                           |               |                                   |                        |                        |                  |                  |                              |   |
| White, 16 years and over .....        | 95,727        | 3,658                             | 14,371                 | 77,698                 | 47,036           | 30,662           | 39.6                         | 44.1  |
| Men .....                             | 52,203        | 1,684                             | 4,201                  | 46,318                 | 24,703           | 21,616           | 42.7                         | 45.6  |
| Women .....                           | 43,523        | 1,974                             | 10,170                 | 31,380                 | 22,333           | 9,046            | 35.9                         | 41.9  |
| Black, 16 years and over .....        | 11,423        | 680                               | 1,189                  | 9,554                  | 7,396            | 2,158            | 38.3                         | 41.7  |
| Men .....                             | 5,548         | 324                               | 399                    | 4,826                  | 3,460            | 1,366            | 39.8                         | 42.7  |
| Women .....                           | 5,875         | 357                               | 790                    | 4,728                  | 3,936            | 792              | 36.9                         | 40.7  |
| <b>MARITAL STATUS</b>                 |               |                                   |                        |                        |                  |                  |                              |   |
| Men, 16 years and over:               |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....         | 38,245        | 886                               | 1,443                  | 35,915                 | 18,735           | 17,180           | 44.3                         | 45.9  |
| Widowed, divorced, or separated ..... | 5,982         | 287                               | 304                    | 5,391                  | 3,058            | 2,333            | 42.7                         | 45.1  |
| Single (never married) .....          | 15,494        | 906                               | 3,054                  | 11,534                 | 7,452            | 4,083            | 37.4                         | 43.6  |
| Women, 16 years and over:             |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....         | 28,306        | 1,196                             | 6,484                  | 20,626                 | 15,337           | 5,289            | 35.9                         | 41.4  |
| Widowed, divorced, or separated ..... | 10,211        | 544                               | 1,281                  | 8,385                  | 5,873            | 2,512            | 38.6                         | 42.4  |
| Single (never married) .....          | 12,627        | 666                               | 3,539                  | 8,422                  | 6,085            | 2,337            | 34.2                         | 41.8  |

A-31. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

| Occupation and sex                                  | December 1989 |                                   |                        |                        |                  |                |                  |                              |   |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
|   | 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 <sup>1</sup>               | 110,815       | 4,474                             | 16,093                 | 90,247                 | 56,427           | 12,156         | 21,664           | 39.5                         | 43.8  |
| Managerial and professional specialty               | 29,691        | 528                               | 2,883                  | 26,280                 | 14,100           | 3,467          | 8,712            | 42.6                         | 45.5  |
| Executive, administrative, and managerial           | 14,266        | 171                               | 750                    | 13,345                 | 6,699            | 1,772          | 4,875            | 44.5                         | 46.2  |
| Professional specialty                              | 15,424        | 357                               | 2,133                  | 12,934                 | 7,401            | 1,695          | 3,838            | 40.7                         | 44.8  |
| Technical, sales, and administrative support        | 35,818        | 1,117                             | 6,806                  | 27,895                 | 18,692           | 3,498          | 5,706            | 38.0                         | 43.0  |
| Technicians and related support                     | 3,618         | 62                                | 436                    | 3,120                  | 2,146            | 422            | 552              | 39.7                         | 42.7  |
| Sales occupations                                   | 14,215        | 611                               | 3,084                  | 10,520                 | 5,532            | 1,330          | 3,659            | 39.1                         | 45.7  |
| Administrative support, including clerical          | 17,985        | 443                               | 3,286                  | 14,255                 | 11,014           | 1,746          | 1,495            | 36.7                         | 41.0  |
| Service occupations                                 | 14,788        | 1,283                             | 4,221                  | 9,285                  | 6,565            | 1,140          | 1,579            | 34.2                         | 42.8  |
| Private household                                   | 856           | 149                               | 391                    | 315                    | 208              | 46             | 62               | 26.2                         | 44.1  |
| Protective service                                  | 1,837         | 43                                | 141                    | 1,653                  | 932              | 308            | 413              | 43.5                         | 46.1  |
| Service, except private household and protective    | 12,096        | 1,091                             | 3,688                  | 7,317                  | 5,426            | 786            | 1,105            | 33.3                         | 42.0  |
| Precision production, craft, and repair             | 13,181        | 599                               | 459                    | 12,123                 | 7,504            | 1,801          | 2,818            | 42.0                         | 43.8  |
| Operators, fabricators, and laborers                | 17,336        | 948                               | 1,724                  | 14,664                 | 9,566            | 2,249          | 2,849            | 39.8                         | 43.2  |
| Machine operators, assemblers, and inspectors       | 7,931         | 334                               | 415                    | 7,182                  | 4,971            | 1,185          | 1,026            | 40.5                         | 42.3  |
| Transportation and material moving occupations      | 4,610         | 232                               | 430                    | 3,948                  | 2,052            | 581            | 1,314            | 42.4                         | 46.0  |
| Handlers, equipment cleaners, helpers, and laborers | 4,795         | 381                               | 879                    | 3,535                  | 2,544            | 483            | 508              | 36.0                         | 41.9  |
| Men, 16 years and over <sup>1</sup>                 | 59,567        | 2,060                             | 4,769                  | 52,738                 | 29,095           | 7,611          | 16,031           | 42.4                         | 45.3  |
| Managerial and professional specialty               | 16,336        | 212                               | 839                    | 15,285                 | 7,019            | 2,029          | 6,237            | 45.4                         | 47.2  |
| Executive, administrative, and managerial           | 8,675         | 98                                | 281                    | 8,296                  | 3,556            | 1,077          | 3,663            | 46.6                         | 47.9  |
| Professional specialty                              | 7,661         | 114                               | 558                    | 6,989                  | 3,463            | 952            | 2,574            | 44.1                         | 46.5  |
| Technical, sales, and administrative support        | 12,635        | 255                               | 1,346                  | 11,035                 | 5,764            | 1,562          | 3,708            | 42.6                         | 45.9  |
| Technicians and related support                     | 1,885         | 29                                | 139                    | 1,717                  | 1,092            | 253            | 372              | 41.7                         | 43.8  |
| Sales occupations                                   | 7,146         | 157                               | 750                    | 6,239                  | 2,642            | 807            | 2,789            | 44.4                         | 47.9  |
| Administrative support, including clerical          | 3,604         | 69                                | 457                    | 3,079                  | 2,030            | 503            | 547              | 39.6                         | 43.1  |
| Service occupations                                 | 5,790         | 401                               | 1,132                  | 4,256                  | 2,789            | 596            | 872              | 37.5                         | 44.1  |
| Private household                                   | 39            | 10                                | 17                     | 12                     | 3                | 8              | 1                | ( <sup>2</sup> )             | ( <sup>2</sup> )                              |
| Protective service                                  | 1,578         | 37                                | 86                     | 1,455                  | 792              | 278            | 385              | 44.5                         | 46.5  |
| Service, except private household and protective    | 4,173         | 355                               | 1,030                  | 2,788                  | 1,993            | 310            | 485              | 35.0                         | 42.8  |
| Precision production, craft, and repair             | 12,017        | 556                               | 328                    | 11,133                 | 6,785            | 1,659          | 2,688            | 42.3                         | 43.9  |
| Operators, fabricators, and laborers                | 12,789        | 636                               | 1,124                  | 11,029                 | 6,737            | 1,765          | 2,527            | 40.7                         | 44.0  |
| Machine operators, assemblers, and inspectors       | 4,788         | 142                               | 188                    | 4,458                  | 2,850            | 810            | 798              | 41.8                         | 43.3  |
| Transportation and material moving occupations      | 4,161         | 195                               | 253                    | 3,713                  | 1,876            | 556            | 1,281            | 43.5                         | 46.2  |
| Handlers, equipment cleaners, helpers, and laborers | 3,841         | 299                               | 684                    | 2,858                  | 2,012            | 399            | 447              | 36.2                         | 42.1  |
| Women, 16 years and over <sup>1</sup>               | 51,248        | 2,415                             | 11,324                 | 37,510                 | 27,332           | 4,545          | 5,633            | 36.0                         | 41.8  |
| Managerial and professional specialty               | 13,354        | 317                               | 2,044                  | 10,994                 | 7,081            | 1,438          | 2,476            | 39.1                         | 43.1  |
| Executive, administrative, and managerial           | 5,591         | 73                                | 469                    | 5,049                  | 3,143            | 695            | 1,212            | 41.3                         | 43.5  |
| Professional specialty                              | 7,763         | 243                               | 1,575                  | 5,945                  | 3,938            | 743            | 1,264            | 37.4                         | 42.8  |
| Technical, sales, and administrative support        | 23,183        | 862                               | 5,460                  | 16,861                 | 12,927           | 1,936          | 1,998            | 35.5                         | 41.0  |
| Technicians and related support                     | 1,733         | 33                                | 297                    | 1,403                  | 1,054            | 169            | 180              | 37.6                         | 41.2  |
| Sales occupations                                   | 7,069         | 454                               | 2,333                  | 4,281                  | 2,889            | 523            | 869              | 33.8                         | 42.4  |
| Administrative support, including clerical          | 14,381        | 375                               | 2,830                  | 11,177                 | 8,984            | 1,243          | 949              | 36.0                         | 40.5  |
| Service occupations                                 | 8,999         | 881                               | 3,089                  | 5,029                  | 3,777            | 545            | 707              | 32.0                         | 41.8  |
| Private household                                   | 817           | 139                               | 374                    | 303                    | 205              | 38             | 61               | 26.4                         | 44.1  |
| Protective service                                  | 259           | 6                                 | 56                     | 197                    | 139              | 31             | 27               | 37.8                         | 43.3  |
| Service, except private household and protective    | 7,923         | 736                               | 2,659                  | 4,528                  | 3,432            | 476            | 619              | 32.4                         | 41.6  |
| Precision production, craft, and repair             | 1,165         | 43                                | 131                    | 991                    | 719              | 142            | 130              | 38.6                         | 41.8  |
| Operators, fabricators, and laborers                | 4,547         | 312                               | 600                    | 3,635                  | 2,829            | 485            | 322              | 37.2                         | 40.9  |
| Machine operators, assemblers, and inspectors       | 3,143         | 192                               | 227                    | 2,724                  | 2,121            | 375            | 227              | 38.4                         | 40.7  |
| Transportation and material moving occupations      | 449           | 38                                | 177                    | 235                    | 176              | 26             | 33               | 32.6                         | 42.5  |
| Handlers, equipment cleaners, helpers, and laborers | 954           | 83                                | 195                    | 677                    | 532              | 84             | 61               | 35.3                         | 40.9  |

<sup>1</sup> Excludes farming, forestry, and fishing occupations.

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-32. 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                      | 1988    | 1989    |         |         |         |         |         |         |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| <b>TOTAL</b>                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 187,098 | 187,340 | 187,461 | 187,581 | 187,708 | 187,854 | 187,995 | 188,149 | 188,286 | 188,428 | 188,580 | 188,721 | 188,865 |
| Labor force <sup>1</sup> .....                 | 124,346 | 124,961 | 124,801 | 124,929 | 125,299 | 125,224 | 125,777 | 125,679 | 125,758 | 125,725 | 125,857 | 126,192 | 126,246 |
| Percent of population <sup>2</sup> .....       | 66.5    | 66.7    | 66.6    | 66.6    | 66.8    | 66.7    | 66.9    | 66.8    | 66.8    | 66.7    | 66.7    | 66.9    | 66.8    |
| Total employed <sup>1</sup> .....              | 117,837 | 118,336 | 118,441 | 118,731 | 118,768 | 118,805 | 119,208 | 119,102 | 119,238 | 119,121 | 119,294 | 119,540 | 119,588 |
| Employment-population ratio <sup>3</sup> ..... | 63.0    | 63.2    | 63.2    | 63.3    | 63.3    | 63.2    | 63.4    | 63.3    | 63.3    | 63.2    | 63.3    | 63.3    | 63.3    |
| Resident Armed Forces .....                    | 1,696   | 1,696   | 1,684   | 1,684   | 1,684   | 1,673   | 1,666   | 1,666   | 1,688   | 1,702   | 1,709   | 1,704   | 1,700   |
| Civilian employed .....                        | 116,141 | 116,640 | 116,757 | 117,047 | 117,084 | 117,132 | 117,542 | 117,436 | 117,550 | 117,419 | 117,585 | 117,836 | 117,888 |
| Agriculture .....                              | 3,192   | 3,268   | 3,196   | 3,185   | 3,144   | 3,137   | 3,138   | 3,217   | 3,275   | 3,219   | 3,197   | 3,160   | 3,197   |
| Nonagricultural industries .....               | 112,949 | 113,372 | 113,561 | 113,862 | 113,940 | 113,995 | 114,404 | 114,219 | 114,275 | 114,200 | 114,388 | 114,676 | 114,691 |
| Unemployed .....                               | 6,509   | 6,625   | 6,360   | 6,198   | 6,531   | 6,419   | 6,569   | 6,577   | 6,520   | 6,604   | 6,563   | 6,652   | 6,658   |
| Unemployment rate <sup>4</sup> .....           | 5.2     | 5.3     | 5.1     | 5.0     | 5.2     | 5.1     | 5.2     | 5.2     | 5.2     | 5.3     | 5.2     | 5.3     | 5.3     |
| Not in labor force .....                       | 62,752  | 62,379  | 62,660  | 62,652  | 62,409  | 62,630  | 62,218  | 62,470  | 62,528  | 62,703  | 62,723  | 62,529  | 62,619  |
| <b>Men</b>                                     |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 89,792  | 89,914  | 89,973  | 90,032  | 90,094  | 90,167  | 90,237  | 90,315  | 90,384  | 90,456  | 90,535  | 90,606  | 90,678  |
| Labor force <sup>1</sup> .....                 | 68,695  | 68,936  | 69,033  | 69,100  | 69,293  | 69,142  | 69,542  | 69,366  | 69,404  | 69,360  | 69,599  | 69,635  | 69,725  |
| Percent of population <sup>2</sup> .....       | 76.5    | 76.7    | 76.7    | 76.8    | 76.9    | 76.7    | 77.1    | 76.8    | 76.8    | 76.7    | 76.9    | 76.9    | 76.9    |
| Total employed <sup>1</sup> .....              | 65,145  | 65,296  | 65,529  | 65,814  | 65,727  | 65,713  | 66,078  | 65,939  | 65,919  | 65,681  | 66,046  | 66,011  | 66,143  |
| Employment-population ratio <sup>3</sup> ..... | 72.6    | 72.6    | 72.8    | 73.1    | 73.0    | 72.9    | 73.2    | 73.0    | 72.9    | 72.6    | 73.0    | 72.9    | 72.9    |
| Resident Armed Forces .....                    | 1,534   | 1,532   | 1,521   | 1,521   | 1,521   | 1,511   | 1,501   | 1,499   | 1,519   | 1,531   | 1,533   | 1,529   | 1,525   |
| Civilian employed .....                        | 63,611  | 63,764  | 64,008  | 64,293  | 64,206  | 64,202  | 64,577  | 64,440  | 64,400  | 64,150  | 64,513  | 64,482  | 64,618  |
| Unemployed .....                               | 3,550   | 3,640   | 3,504   | 3,286   | 3,566   | 3,429   | 3,464   | 3,427   | 3,485   | 3,679   | 3,553   | 3,624   | 3,582   |
| Unemployment rate <sup>4</sup> .....           | 5.2     | 5.3     | 5.1     | 4.8     | 5.1     | 5.0     | 5.0     | 4.9     | 5.0     | 5.3     | 5.1     | 5.2     | 5.1     |
| Not in labor force .....                       | 21,097  | 20,978  | 20,940  | 20,932  | 20,801  | 21,025  | 20,695  | 20,949  | 20,980  | 21,096  | 20,936  | 20,971  | 20,953  |
| <b>Women</b>                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 97,306  | 97,427  | 97,488  | 97,550  | 97,614  | 97,687  | 97,758  | 97,834  | 97,902  | 97,972  | 98,045  | 98,115  | 98,187  |
| Labor force <sup>1</sup> .....                 | 55,651  | 56,025  | 55,768  | 55,829  | 56,006  | 56,082  | 56,235  | 56,313  | 56,354  | 56,365  | 56,258  | 56,557  | 56,521  |
| Percent of population <sup>2</sup> .....       | 57.2    | 57.5    | 57.2    | 57.2    | 57.4    | 57.4    | 57.5    | 57.6    | 57.6    | 57.5    | 57.4    | 57.6    | 57.6    |
| Total employed <sup>1</sup> .....              | 52,692  | 53,040  | 52,912  | 52,917  | 53,041  | 53,092  | 53,130  | 53,163  | 53,319  | 53,440  | 53,248  | 53,529  | 53,445  |
| Employment-population ratio <sup>3</sup> ..... | 54.2    | 54.4    | 54.3    | 54.2    | 54.3    | 54.3    | 54.3    | 54.3    | 54.5    | 54.5    | 54.3    | 54.6    | 54.4    |
| Resident Armed Forces .....                    | 162     | 164     | 163     | 163     | 163     | 162     | 165     | 167     | 169     | 171     | 176     | 175     | 175     |
| Civilian employed .....                        | 52,530  | 52,876  | 52,749  | 52,754  | 52,878  | 52,930  | 52,965  | 52,996  | 53,150  | 53,269  | 53,072  | 53,354  | 53,270  |
| Unemployed .....                               | 2,959   | 2,985   | 2,856   | 2,912   | 2,965   | 2,990   | 3,105   | 3,150   | 3,035   | 2,925   | 3,010   | 3,028   | 3,076   |
| Unemployment rate <sup>4</sup> .....           | 5.3     | 5.3     | 5.1     | 5.2     | 5.3     | 5.3     | 5.5     | 5.6     | 5.4     | 5.2     | 5.4     | 5.4     | 5.4     |
| Not in labor force .....                       | 41,655  | 41,402  | 41,720  | 41,721  | 41,608  | 41,605  | 41,523  | 41,521  | 41,548  | 41,607  | 41,787  | 41,558  | 41,666  |

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> 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-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| Employment status,<br>sex, and age                      | 1988    | 1989    |         |         |         |         |         |         |         |         |         |         |         |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|   | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| <b>TOTAL</b>  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 185,402 | 185,644 | 185,777 | 185,897 | 186,024 | 186,181 | 186,329 | 186,483 | 186,598 | 186,726 | 186,871 | 187,017 | 187,165 |
| Civilian labor force .....                              | 122,650 | 123,265 | 123,117 | 123,245 | 123,615 | 123,551 | 124,111 | 124,013 | 124,070 | 124,023 | 124,148 | 124,488 | 124,546 |
| Percent of population .....                             | 66.2    | 66.4    | 66.3    | 66.3    | 66.5    | 66.4    | 66.6    | 66.5    | 66.5    | 66.4    | 66.4    | 66.6    | 66.5    |
| Employed .....  | 116,141 | 116,640 | 116,757 | 117,047 | 117,084 | 117,132 | 117,542 | 117,436 | 117,550 | 117,419 | 117,585 | 117,836 | 117,888 |
| Employment-population ratio <sup>2</sup> .....          | 62.6    | 62.8    | 62.8    | 63.0    | 62.9    | 62.9    | 63.1    | 63.0    | 63.0    | 62.9    | 62.9    | 63.0    | 63.0    |
| Unemployed .....  | 6,509   | 6,625   | 6,360   | 6,198   | 6,531   | 6,419   | 6,569   | 6,577   | 6,520   | 6,604   | 6,563   | 6,652   | 6,658   |
| Unemployment rate .....                                 | 5.3     | 5.4     | 5.2     | 5.0     | 5.3     | 5.2     | 5.3     | 5.3     | 5.3     | 5.3     | 5.3     | 5.3     | 5.3     |
| <b>Men, 20 years and over</b>                           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 81,001  | 81,162  | 81,256  | 81,333  | 81,413  | 81,524  | 81,592  | 81,679  | 81,754  | 81,790  | 81,905  | 81,968  | 82,055  |
| Civilian labor force .....                              | 63,048  | 63,285  | 63,393  | 63,468  | 63,638  | 63,535  | 63,874  | 63,736  | 63,717  | 63,771  | 63,918  | 63,967  | 64,071  |
| Percent of population .....                             | 77.8    | 78.0    | 78.0    | 78.0    | 78.2    | 77.9    | 78.3    | 78.0    | 77.9    | 78.0    | 78.0    | 78.0    | 78.1    |
| Employed .....  | 60,133  | 60,398  | 60,566  | 60,783  | 60,716  | 60,774  | 61,072  | 60,915  | 60,861  | 60,729  | 61,026  | 61,033  | 61,154  |
| Employment-population ratio <sup>2</sup> .....          | 74.2    | 74.4    | 74.5    | 74.7    | 74.6    | 74.5    | 74.9    | 74.6    | 74.4    | 74.2    | 74.5    | 74.5    | 74.5    |
| Agriculture .....                                       | 2,292   | 2,286   | 2,312   | 2,309   | 2,270   | 2,295   | 2,279   | 2,329   | 2,340   | 2,330   | 2,304   | 2,292   | 2,293   |
| Nonagricultural industries .....                        | 57,841  | 58,112  | 58,254  | 58,474  | 58,446  | 58,479  | 58,793  | 58,586  | 58,521  | 58,399  | 58,722  | 58,741  | 58,861  |
| Unemployed .....  | 2,915   | 2,887   | 2,827   | 2,685   | 2,922   | 2,761   | 2,802   | 2,821   | 2,856   | 3,042   | 2,892   | 2,934   | 2,917   |
| Unemployment rate .....                                 | 4.6     | 4.6     | 4.5     | 4.2     | 4.6     | 4.3     | 4.4     | 4.4     | 4.5     | 4.8     | 4.5     | 4.6     | 4.6     |
| Not in labor force .....                                | 17,953  | 17,877  | 17,863  | 17,865  | 17,775  | 17,989  | 17,718  | 17,943  | 18,037  | 18,019  | 17,987  | 18,001  | 17,984  |
| <b>Women, 20 years and over</b>                         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 89,954  | 90,072  | 90,153  | 90,242  | 90,318  | 90,432  | 90,526  | 90,607  | 90,684  | 90,771  | 90,860  | 90,952  | 91,042  |
| Civilian labor force .....                              | 51,613  | 51,961  | 51,816  | 51,876  | 52,009  | 52,120  | 52,219  | 52,385  | 52,352  | 52,358  | 52,281  | 52,541  | 52,586  |
| Percent of population .....                             | 57.4    | 57.7    | 57.5    | 57.5    | 57.6    | 57.6    | 57.7    | 57.8    | 57.7    | 57.7    | 57.5    | 57.8    | 57.8    |
| Employed .....  | 49,199  | 49,517  | 49,455  | 49,467  | 49,560  | 49,649  | 49,687  | 49,817  | 49,875  | 49,984  | 49,796  | 50,043  | 50,048  |
| Employment-population ratio <sup>2</sup> .....          | 54.7    | 55.0    | 54.9    | 54.8    | 54.9    | 54.9    | 54.9    | 55.0    | 55.0    | 55.1    | 54.8    | 55.0    | 55.0    |
| Agriculture .....                                       | 660     | 704     | 646     | 647     | 638     | 633     | 622     | 639     | 642     | 660     | 641     | 624     | 618     |
| Nonagricultural industries .....                        | 48,539  | 48,813  | 48,809  | 48,820  | 48,922  | 49,016  | 49,065  | 49,178  | 49,233  | 49,324  | 49,155  | 49,419  | 49,430  |
| Unemployed .....  | 2,414   | 2,444   | 2,361   | 2,409   | 2,449   | 2,471   | 2,532   | 2,568   | 2,477   | 3,042   | 2,485   | 2,498   | 2,538   |
| Unemployment rate .....                                 | 4.7     | 4.7     | 4.6     | 4.6     | 4.7     | 4.7     | 4.8     | 4.9     | 4.7     | 4.5     | 4.8     | 4.8     | 4.8     |
| Not in labor force .....                                | 38,341  | 38,111  | 38,337  | 38,366  | 38,309  | 38,312  | 38,307  | 38,222  | 38,332  | 38,413  | 38,579  | 38,411  | 38,456  |
| <b>Both sexes, 16 to 19 years</b>                       |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 14,447  | 14,410  | 14,367  | 14,323  | 14,293  | 14,224  | 14,211  | 14,196  | 14,160  | 14,166  | 14,107  | 14,097  | 14,067  |
| Civilian labor force .....                              | 7,989   | 8,019   | 7,908   | 7,901   | 7,968   | 7,896   | 8,018   | 7,892   | 8,001   | 7,894   | 7,949   | 7,980   | 7,889   |
| Percent of population .....                             | 55.3    | 55.6    | 55.0    | 55.2    | 55.7    | 55.5    | 56.4    | 55.6    | 56.5    | 55.7    | 56.3    | 56.6    | 56.1    |
| Employed .....  | 6,809   | 6,725   | 6,736   | 6,797   | 6,808   | 6,709   | 6,783   | 6,704   | 6,814   | 6,706   | 6,763   | 6,760   | 6,686   |
| Employment-population ratio <sup>2</sup> .....          | 47.1    | 46.7    | 46.9    | 47.5    | 47.6    | 47.2    | 47.7    | 47.2    | 48.1    | 47.3    | 47.9    | 48.0    | 47.5    |
| Agriculture .....                                       | 240     | 278     | 238     | 229     | 236     | 209     | 237     | 249     | 293     | 229     | 252     | 244     | 286     |
| Nonagricultural industries .....                        | 6,569   | 6,447   | 6,498   | 6,568   | 6,572   | 6,500   | 6,546   | 6,455   | 6,521   | 6,477   | 6,511   | 6,516   | 6,400   |
| Unemployed .....  | 1,180   | 1,294   | 1,172   | 1,104   | 1,160   | 1,187   | 1,235   | 1,188   | 1,187   | 1,188   | 1,186   | 1,220   | 1,203   |
| Unemployment rate .....                                 | 14.8    | 16.1    | 14.8    | 14.0    | 14.6    | 15.0    | 15.4    | 15.1    | 14.8    | 15.0    | 14.9    | 15.3    | 15.2    |
| Not in labor force .....                                | 6,458   | 6,391   | 6,459   | 6,422   | 6,325   | 6,328   | 6,193   | 6,304   | 6,159   | 6,272   | 6,158   | 6,117   | 6,178   |

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

| Employment status,<br>race, sex, age, and<br>Hispanic origin | 1988    | 1989    |         |         |         |         |         |         |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| <b>WHITE</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> .....      | 158,705 | 158,865 | 158,947 | 159,020 | 159,098 | 159,200 | 159,297 | 159,400 | 159,470 | 159,549 | 159,644 | 159,736 | 159,832 |
| Civilian labor force .....                                   | 105,454 | 105,999 | 105,760 | 105,926 | 106,208 | 106,152 | 106,474 | 106,384 | 106,485 | 106,393 | 106,618 | 106,834 | 106,896 |
| Percent of population .....                                  | 66.4    | 66.7    | 66.5    | 66.6    | 66.8    | 66.7    | 66.8    | 66.7    | 66.8    | 66.7    | 66.8    | 66.9    | 66.9    |
| Employed .....   | 100,649 | 101,137 | 101,187 | 101,413 | 101,400 | 101,432 | 101,683 | 101,546 | 101,684 | 101,579 | 101,862 | 101,991 | 102,032 |
| Employment-population ratio <sup>2</sup> .....               | 63.4    | 63.7    | 63.7    | 63.8    | 63.7    | 63.7    | 63.8    | 63.7    | 63.8    | 63.7    | 63.8    | 63.8    | 63.8    |
| Unemployed .....   | 4,805   | 4,862   | 4,573   | 4,513   | 4,808   | 4,720   | 4,791   | 4,838   | 4,801   | 4,814   | 4,756   | 4,843   | 4,864   |
| Unemployment rate .....                                      | 4.6     | 4.6     | 4.3     | 4.3     | 4.5     | 4.4     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     | 4.6     |
| <b>Men, 20 years and over</b>                                |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 54,924  | 55,160  | 55,217  | 55,308  | 55,374  | 55,280  | 55,544  | 55,463  | 55,443  | 55,465  | 55,626  | 55,676  | 55,747  |
| Percent of population .....                                  | 78.2    | 78.4    | 78.4    | 78.5    | 78.5    | 78.3    | 78.7    | 78.5    | 78.4    | 78.3    | 78.5    | 78.5    | 78.5    |
| Employed .....   | 52,698  | 52,996  | 53,105  | 53,300  | 53,199  | 53,222  | 53,437  | 53,391  | 53,307  | 53,153  | 53,483  | 53,482  | 53,580  |
| Employment-population ratio <sup>2</sup> .....               | 75.1    | 75.4    | 75.4    | 75.7    | 75.5    | 75.4    | 75.7    | 75.4    | 75.4    | 75.1    | 75.5    | 75.4    | 75.5    |
| Unemployed .....   | 2,226   | 2,164   | 2,112   | 2,008   | 2,175   | 2,058   | 2,107   | 2,132   | 2,136   | 2,312   | 2,143   | 2,194   | 2,167   |
| Unemployment rate .....                                      | 4.1     | 3.9     | 3.8     | 3.6     | 3.9     | 3.7     | 3.8     | 3.8     | 3.9     | 4.2     | 3.9     | 3.9     | 3.9     |
| <b>Women, 20 years and over</b>                              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 43,637  | 43,890  | 43,762  | 43,797  | 43,984  | 44,057  | 44,076  | 44,230  | 44,184  | 44,198  | 44,207  | 44,360  | 44,469  |
| Percent of population .....                                  | 56.8    | 57.1    | 56.9    | 56.9    | 57.1    | 57.2    | 57.2    | 57.3    | 57.2    | 57.2    | 57.1    | 57.3    | 57.4    |
| Employed .....   | 41,924  | 42,153  | 42,137  | 42,102  | 42,199  | 42,268  | 42,279  | 42,377  | 42,391  | 42,520  | 42,437  | 42,586  | 42,641  |
| Employment-population ratio <sup>2</sup> .....               | 54.6    | 54.9    | 54.8    | 54.7    | 54.8    | 54.8    | 54.8    | 54.9    | 54.9    | 55.0    | 54.9    | 55.0    | 55.0    |
| Unemployed .....   | 1,713   | 1,737   | 1,625   | 1,695   | 1,785   | 1,789   | 1,797   | 1,853   | 1,793   | 1,678   | 1,770   | 1,774   | 1,828   |
| Unemployment rate .....                                      | 3.9     | 4.0     | 3.7     | 3.9     | 4.1     | 4.1     | 4.1     | 4.2     | 4.1     | 3.8     | 4.0     | 4.0     | 4.1     |
| <b>Both sexes, 16 to 19 years</b>                            |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 6,893   | 6,949   | 6,781   | 6,821   | 6,850   | 6,815   | 6,854   | 6,691   | 6,858   | 6,730   | 6,785   | 6,798   | 6,680   |
| Percent of population .....                                  | 58.8    | 59.5    | 58.2    | 58.7    | 59.1    | 58.9    | 59.3    | 58.0    | 59.6    | 58.7    | 59.4    | 59.7    | 58.9    |
| Employed .....   | 6,027   | 5,988   | 5,945   | 6,011   | 6,002   | 5,942   | 5,967   | 5,838   | 5,986   | 5,906   | 5,942   | 5,923   | 5,811   |
| Employment-population ratio <sup>2</sup> .....               | 51.4    | 51.3    | 51.0    | 51.7    | 51.7    | 51.3    | 51.6    | 50.6    | 52.0    | 51.5    | 52.0    | 52.0    | 51.2    |
| Unemployed .....   | 866     | 961     | 836     | 810     | 848     | 873     | 887     | 853     | 872     | 824     | 843     | 875     | 869     |
| Unemployment rate .....                                      | 12.6    | 13.8    | 12.3    | 11.9    | 12.4    | 12.8    | 12.9    | 12.7    | 12.7    | 12.2    | 12.4    | 12.9    | 13.0    |
| Men .....  | 13.5    | 15.9    | 13.9    | 13.0    | 13.2    | 14.1    | 13.5    | 12.8    | 13.1    | 13.3    | 13.8    | 14.3    | 14.0    |
| Women .....  | 11.6    | 11.6    | 10.7    | 10.7    | 11.5    | 11.4    | 12.3    | 12.6    | 12.3    | 11.1    | 10.9    | 11.3    | 11.9    |
| <b>BLACK</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> .....      | 20,842  | 20,877  | 20,905  | 20,930  | 20,956  | 20,986  | 21,012  | 21,038  | 21,060  | 21,085  | 21,108  | 21,136  | 21,164  |
| Civilian labor force .....                                   | 13,407  | 13,447  | 13,443  | 13,429  | 13,336  | 13,454  | 13,569  | 13,548  | 13,476  | 13,518  | 13,507  | 13,576  | 13,522  |
| Percent of population .....                                  | 64.3    | 64.4    | 64.3    | 64.2    | 63.6    | 64.1    | 64.6    | 64.4    | 64.0    | 64.1    | 64.0    | 64.2    | 63.9    |
| Employed .....   | 11,872  | 11,867  | 11,883  | 11,952  | 11,872  | 11,962  | 11,969  | 12,063  | 11,961  | 11,938  | 11,923  | 11,954  | 11,920  |
| Employment-population ratio <sup>2</sup> .....               | 57.0    | 56.8    | 56.8    | 57.1    | 56.7    | 57.0    | 57.3    | 56.8    | 56.6    | 56.6    | 56.5    | 56.6    | 56.3    |
| Unemployed .....   | 1,535   | 1,580   | 1,560   | 1,477   | 1,464   | 1,492   | 1,600   | 1,485   | 1,515   | 1,580   | 1,584   | 1,622   | 1,602   |
| Unemployment rate .....                                      | 11.4    | 11.7    | 11.6    | 11.0    | 11.0    | 11.1    | 11.8    | 11.0    | 11.2    | 11.7    | 11.7    | 11.9    | 11.8    |
| <b>Men, 20 years and over</b>                                |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 6,181   | 6,209   | 6,187   | 6,219   | 6,188   | 6,209   | 6,206   | 6,209   | 6,198   | 6,239   | 6,234   | 6,247   | 6,244   |
| Percent of population .....                                  | 74.6    | 74.8    | 74.4    | 74.7    | 74.2    | 74.3    | 74.2    | 74.1    | 73.9    | 74.6    | 74.2    | 74.2    | 74.0    |
| Employed .....   | 5,571   | 5,578   | 5,558   | 5,611   | 5,576   | 5,617   | 5,613   | 5,621   | 5,584   | 5,610   | 5,593   | 5,587   | 5,569   |
| Employment-population ratio <sup>2</sup> .....               | 67.3    | 67.2    | 66.9    | 67.4    | 66.9    | 67.3    | 67.1    | 67.1    | 66.6    | 67.0    | 66.6    | 66.4    | 66.0    |
| Unemployed .....   | 610     | 631     | 629     | 608     | 612     | 592     | 593     | 588     | 614     | 629     | 641     | 660     | 675     |
| Unemployment rate .....                                      | 9.9     | 10.2    | 10.2    | 9.8     | 9.9     | 9.5     | 9.6     | 9.5     | 9.9     | 10.1    | 10.3    | 10.6    | 10.8    |
| <b>Women, 20 years and over</b>                              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 6,320   | 6,346   | 6,333   | 6,325   | 6,254   | 6,341   | 6,401   | 6,386   | 6,362   | 6,360   | 6,336   | 6,373   | 6,311   |
| Percent of population .....                                  | 60.9    | 61.0    | 60.8    | 60.6    | 59.9    | 60.6    | 61.1    | 60.9    | 60.6    | 60.5    | 60.2    | 60.4    | 59.7    |
| Employed .....   | 5,673   | 5,699   | 5,699   | 5,735   | 5,685   | 5,734   | 5,732   | 5,755   | 5,753   | 5,743   | 5,706   | 5,722   | 5,681   |
| Employment-population ratio <sup>2</sup> .....               | 54.7    | 54.8    | 54.7    | 55.0    | 54.4    | 54.8    | 54.7    | 54.9    | 54.8    | 54.6    | 54.2    | 54.2    | 53.8    |
| Unemployed .....   | 647     | 647     | 634     | 590     | 569     | 607     | 669     | 631     | 609     | 617     | 630     | 651     | 630     |
| Unemployment rate .....                                      | 10.2    | 10.2    | 10.0    | 9.3     | 9.1     | 9.6     | 10.5    | 9.9     | 9.6     | 9.7     | 9.9     | 10.2    | 10.0    |

See footnotes at end of table.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

| Employment status,<br>race, sex, age, and<br>Hispanic origin | 1988   | 1989   |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
| <b>BLACK—Continued</b>                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |
| <b>Both sexes, 16 to 19 years</b>                            |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force .....                                   | 906    | 892    | 923    | 885    | 894    | 904    | 962    | 953    | 916    | 919    | 937    | 956    | 967    |
| Percent of population .....                                  | 41.6   | 41.0   | 42.4   | 40.7   | 41.1   | 41.6   | 44.2   | 43.8   | 42.2   | 41.8   | 43.0   | 44.0   | 44.6   |
| Employed .....   | 628    | 590    | 626    | 606    | 611    | 611    | 624    | 687    | 624    | 585    | 624    | 645    | 670    |
| Employment-population ratio <sup>2</sup> .....               | 28.8   | 27.1   | 28.8   | 27.9   | 28.1   | 28.1   | 28.7   | 31.6   | 28.7   | 26.6   | 28.6   | 29.7   | 30.9   |
| Unemployed .....   | 278    | 302    | 297    | 279    | 283    | 293    | 338    | 266    | 292    | 334    | 313    | 311    | 297    |
| Unemployment rate .....                                      | 30.7   | 33.9   | 32.2   | 31.5   | 31.7   | 32.4   | 35.1   | 27.9   | 31.9   | 36.3   | 33.4   | 32.5   | 30.7   |
| Men .....  | 30.8   | 35.6   | 32.6   | 29.0   | 34.8   | 35.4   | 33.8   | 23.2   | 30.3   | 33.8   | 32.0   | 32.3   | 30.1   |
| Women .....  | 30.6   | 31.9   | 31.7   | 34.3   | 28.5   | 29.6   | 36.8   | 33.1   | 33.6   | 38.8   | 34.9   | 32.7   | 31.4   |
| <b>HISPANIC ORIGIN</b>                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian noninstitutional population <sup>1</sup> .....      | 13,533 | 13,564 | 13,606 | 13,649 | 13,690 | 13,731 | 13,772 | 13,813 | 13,853 | 13,894 | 13,936 | 13,977 | 14,019 |
| Civilian labor force .....                                   | 9,135  | 9,211  | 9,192  | 9,201  | 9,288  | 9,359  | 9,289  | 9,403  | 9,361  | 9,342  | 9,339  | 9,424  | 9,495  |
| Percent of population .....                                  | 67.5   | 67.9   | 67.6   | 67.4   | 67.8   | 68.2   | 67.4   | 68.1   | 67.6   | 67.2   | 67.0   | 67.4   | 67.7   |
| Employed .....   | 8,445  | 8,452  | 8,549  | 8,581  | 8,531  | 8,619  | 8,543  | 8,579  | 8,541  | 8,564  | 8,595  | 8,672  | 8,691  |
| Employment-population ratio <sup>2</sup> .....               | 62.4   | 62.3   | 62.8   | 62.9   | 62.3   | 62.8   | 62.0   | 62.1   | 61.7   | 61.6   | 61.7   | 62.0   | 62.0   |
| Unemployed .....   | 690    | 759    | 643    | 620    | 757    | 740    | 746    | 824    | 820    | 778    | 744    | 752    | 804    |
| Unemployment rate .....                                      | 7.6    | 8.2    | 7.0    | 6.7    | 8.2    | 7.9    | 8.0    | 8.8    | 8.8    | 8.3    | 8.0    | 8.0    | 8.5    |

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> 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. Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-35. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

| Category                                     | 1988    | 1989    |         |         |         |         |         |         |         |         |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| <b>CHARACTERISTIC</b>                        |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total .....                                  | 116,141 | 116,640 | 116,757 | 117,047 | 117,084 | 117,132 | 117,542 | 117,436 | 117,550 | 117,419 | 117,585 | 117,836 | 117,888 |
| Married men, spouse present .....            | 40,567  | 40,794  | 40,880  | 40,976  | 40,857  | 40,932  | 41,025  | 41,067  | 40,723  | 40,649  | 40,839  | 40,886  | 41,041  |
| Married women, spouse present .....          | 29,118  | 29,557  | 29,379  | 29,485  | 29,563  | 29,608  | 29,499  | 29,520  | 29,259  | 29,506  | 29,544  | 29,767  | 29,695  |
| Women who maintain families .....            | 6,390   | 6,396   | 6,381   | 6,267   | 6,263   | 6,354   | 6,401   | 6,446   | 6,371   | 6,429   | 6,354   | 6,351   | 6,349   |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>    |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Agriculture:                                 |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Wage and salary workers .....                | 1,686   | 1,667   | 1,644   | 1,651   | 1,630   | 1,647   | 1,557   | 1,685   | 1,723   | 1,680   | 1,678   | 1,687   | 1,677   |
| Self-employed workers .....                  | 1,355   | 1,395   | 1,411   | 1,403   | 1,414   | 1,377   | 1,411   | 1,424   | 1,410   | 1,424   | 1,406   | 1,373   | 1,369   |
| Unpaid family workers .....                  | 147     | 177     | 146     | 137     | 126     | 127     | 126     | 127     | 133     | 132     | 124     | 122     | 125     |
| Nonagricultural industries:                  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Wage and salary workers .....                | 103,954 | 104,380 | 104,815 | 104,948 | 104,981 | 105,232 | 105,430 | 105,353 | 105,317 | 105,476 | 105,504 | 105,960 | 105,643 |
| Government .....                             | 17,352  | 17,346  | 17,318  | 17,376  | 17,266  | 17,305  | 17,328  | 17,501  | 17,559  | 17,613  | 17,595  | 17,681  | 17,728  |
| Private industries .....                     | 86,602  | 87,034  | 87,497  | 87,572  | 87,715  | 87,927  | 88,102  | 87,852  | 87,758  | 87,863  | 87,909  | 88,279  | 87,915  |
| Private households .....                     | 1,206   | 1,187   | 1,131   | 1,149   | 1,118   | 1,123   | 1,128   | 1,094   | 1,147   | 1,065   | 987     | 1,051   | 1,077   |
| Other industries .....                       | 85,396  | 85,847  | 86,366  | 86,423  | 86,597  | 86,804  | 86,974  | 86,758  | 86,611  | 86,798  | 86,922  | 87,228  | 86,838  |
| Self-employed workers .....                  | 8,588   | 8,681   | 8,541   | 8,631   | 8,643   | 8,573   | 8,578   | 8,602   | 8,621   | 8,581   | 8,610   | 8,528   | 8,653   |
| Unpaid family workers .....                  | 279     | 298     | 290     | 319     | 277     | 299     | 245     | 248     | 272     | 279     | 280     | 264     | 251     |
| <b>PERSONS AT WORK PART TIME<sup>1</sup></b> |         |         |         |         |         |         |         |         |         |         |         |         |         |
| All industries:                              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Part time for economic reasons .....         | 5,350   | 5,082   | 4,987   | 4,978   | 5,086   | 4,883   | 4,928   | 4,773   | 4,802   | 4,864   | 4,767   | 4,803   | 4,802   |
| Slack work .....                             | 2,564   | 2,328   | 2,314   | 2,283   | 2,346   | 2,314   | 2,315   | 2,301   | 2,281   | 2,321   | 2,314   | 2,297   | 2,277   |
| Could only find part-time work .....         | 2,417   | 2,363   | 2,339   | 2,368   | 2,375   | 2,307   | 2,269   | 2,172   | 2,142   | 2,161   | 2,082   | 2,162   | 2,106   |
| Voluntary part time .....                    | 15,355  | 15,386  | 15,150  | 15,510  | 15,405  | 15,350  | 15,466  | 15,577  | 15,550  | 15,506  | 15,368  | 15,254  | 15,388  |
| Nonagricultural industries:                  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Part time for economic reasons .....         | 5,047   | 4,831   | 4,722   | 4,720   | 4,855   | 4,643   | 4,738   | 4,583   | 4,567   | 4,605   | 4,526   | 4,552   | 4,554   |
| Slack work .....                             | 2,379   | 2,168   | 2,129   | 2,095   | 2,198   | 2,137   | 2,183   | 2,164   | 2,129   | 2,165   | 2,166   | 2,132   | 2,111   |
| Could only find part-time work .....         | 2,318   | 2,287   | 2,272   | 2,290   | 2,310   | 2,246   | 2,198   | 2,104   | 2,076   | 2,095   | 2,021   | 2,097   | 2,051   |
| Voluntary part time .....                    | 14,912  | 14,947  | 14,707  | 15,074  | 14,975  | 14,977  | 15,016  | 15,138  | 15,071  | 15,076  | 14,936  | 14,805  | 14,983  |

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

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-36. Employed civilians by sex and age, seasonally adjusted**

(In thousands)

| Sex and age                    | 1988    | 1989    |         |         |         |         |         |         |         |         |         |         |         |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
| Total, 16 years and over ..... | 116,141 | 116,640 | 116,757 | 117,047 | 117,084 | 117,132 | 117,542 | 117,436 | 117,550 | 117,419 | 117,585 | 117,836 | 117,888 |
| 16 to 24 years .....           | 19,930  | 19,776  | 19,835  | 19,969  | 19,892  | 19,748  | 19,889  | 19,781  | 19,813  | 19,489  | 19,487  | 19,482  | 19,298  |
| 16 to 19 years .....           | 6,809   | 6,725   | 6,736   | 6,797   | 6,808   | 6,709   | 6,783   | 6,704   | 6,814   | 6,706   | 6,763   | 6,760   | 6,686   |
| 16 to 17 years .....           | 2,664   | 2,593   | 2,587   | 2,633   | 2,629   | 2,597   | 2,557   | 2,465   | 2,574   | 2,571   | 2,645   | 2,598   | 2,518   |
| 18 to 19 years .....           | 4,160   | 4,133   | 4,163   | 4,176   | 4,177   | 4,115   | 4,199   | 4,233   | 4,236   | 4,149   | 4,130   | 4,152   | 4,161   |
| 20 to 24 years .....           | 13,121  | 13,051  | 13,099  | 13,172  | 13,084  | 13,039  | 13,106  | 13,077  | 12,999  | 12,783  | 12,724  | 12,722  | 12,612  |
| 25 years and over .....        | 96,221  | 96,849  | 96,898  | 97,039  | 97,150  | 97,353  | 97,643  | 97,726  | 97,809  | 97,946  | 98,122  | 98,345  | 98,594  |
| 25 to 54 years .....           | 81,414  | 81,928  | 82,064  | 82,165  | 82,229  | 82,458  | 82,704  | 82,821  | 83,064  | 83,170  | 83,316  | 83,594  | 83,680  |
| 55 years and over .....        | 14,755  | 14,871  | 14,802  | 14,899  | 14,918  | 14,938  | 14,878  | 14,914  | 14,780  | 14,825  | 14,818  | 14,784  | 14,849  |
| Men, 16 years and over .....   | 63,611  | 63,764  | 64,008  | 64,293  | 64,206  | 64,202  | 64,577  | 64,440  | 64,400  | 64,150  | 64,513  | 64,482  | 64,618  |
| 16 to 24 years .....           | 10,326  | 10,217  | 10,368  | 10,457  | 10,364  | 10,249  | 10,372  | 10,291  | 10,275  | 10,070  | 10,211  | 10,123  | 10,128  |
| 16 to 19 years .....           | 3,478   | 3,366   | 3,442   | 3,510   | 3,490   | 3,428   | 3,505   | 3,525   | 3,539   | 3,421   | 3,487   | 3,449   | 3,464   |
| 16 to 17 years .....           | 1,360   | 1,275   | 1,317   | 1,363   | 1,336   | 1,315   | 1,305   | 1,288   | 1,372   | 1,280   | 1,357   | 1,329   | 1,308   |
| 18 to 19 years .....           | 2,141   | 2,105   | 2,139   | 2,161   | 2,149   | 2,090   | 2,187   | 2,245   | 2,159   | 2,138   | 2,134   | 2,140   | 2,153   |
| 20 to 24 years .....           | 6,848   | 6,851   | 6,926   | 6,947   | 6,874   | 6,821   | 6,867   | 6,766   | 6,736   | 6,649   | 6,724   | 6,674   | 6,664   |
| 25 years and over .....        | 53,295  | 53,537  | 53,626  | 53,817  | 53,827  | 53,933  | 54,197  | 54,182  | 54,171  | 54,095  | 54,302  | 54,362  | 54,494  |
| 25 to 54 years .....           | 44,805  | 44,984  | 45,085  | 45,253  | 45,196  | 45,388  | 45,568  | 45,603  | 45,708  | 45,696  | 45,829  | 45,938  | 46,048  |
| 55 years and over .....        | 8,489   | 8,558   | 8,536   | 8,584   | 8,610   | 8,539   | 8,576   | 8,583   | 8,462   | 8,439   | 8,488   | 8,432   | 8,441   |
| Women, 16 years and over ..... | 52,530  | 52,876  | 52,749  | 52,754  | 52,878  | 52,930  | 52,965  | 52,996  | 53,150  | 53,269  | 53,072  | 53,354  | 53,270  |
| 16 to 24 years .....           | 9,604   | 9,559   | 9,467   | 9,512   | 9,528   | 9,499   | 9,517   | 9,490   | 9,538   | 9,419   | 9,276   | 9,359   | 9,170   |
| 16 to 19 years .....           | 3,331   | 3,359   | 3,294   | 3,287   | 3,318   | 3,278   | 3,179   | 3,179   | 3,275   | 3,285   | 3,276   | 3,311   | 3,222   |
| 16 to 17 years .....           | 1,304   | 1,318   | 1,270   | 1,270   | 1,293   | 1,282   | 1,252   | 1,177   | 1,202   | 1,291   | 1,288   | 1,269   | 1,210   |
| 18 to 19 years .....           | 2,019   | 2,028   | 2,024   | 2,015   | 2,028   | 2,025   | 2,012   | 1,988   | 2,077   | 2,011   | 1,996   | 2,012   | 2,008   |
| 20 to 24 years .....           | 6,273   | 6,200   | 6,173   | 6,225   | 6,210   | 6,239   | 6,311   | 6,263   | 6,134   | 6,000   | 6,048   | 6,018   | 5,948   |
| 25 years and over .....        | 42,926  | 43,312  | 43,272  | 43,222  | 43,323  | 43,420  | 43,446  | 43,544  | 43,638  | 43,851  | 43,820  | 43,983  | 44,100  |
| 25 to 54 years .....           | 36,609  | 36,944  | 36,979  | 36,912  | 37,033  | 37,070  | 37,136  | 37,218  | 37,356  | 37,474  | 37,487  | 37,656  | 37,632  |
| 55 years and over .....        | 6,266   | 6,313   | 6,266   | 6,315   | 6,308   | 6,399   | 6,302   | 6,331   | 6,318   | 6,386   | 6,330   | 6,352   | 6,408   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-37. Unemployed persons by sex and age, seasonally adjusted**

(In thousands)

| Sex and age                    | 1988  | 1989  |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| Total, 16 years and over ..... | 6,509 | 6,625 | 6,360 | 6,198 | 6,531 | 6,419 | 6,569 | 6,577 | 6,520 | 6,604 | 6,563 | 6,652 | 6,658 |
| 16 to 24 years .....           | 2,426 | 2,597 | 2,343 | 2,231 | 2,367 | 2,312 | 2,485 | 2,419 | 2,437 | 2,426 | 2,428 | 2,472 | 2,428 |
| 16 to 19 years .....           | 1,180 | 1,294 | 1,172 | 1,104 | 1,160 | 1,187 | 1,235 | 1,188 | 1,187 | 1,188 | 1,186 | 1,220 | 1,203 |
| 16 to 17 years .....           | 531   | 563   | 552   | 494   | 496   | 516   | 540   | 530   | 545   | 534   | 536   | 548   | 558   |
| 18 to 19 years .....           | 648   | 732   | 603   | 616   | 661   | 684   | 719   | 638   | 623   | 684   | 645   | 665   | 645   |
| 20 to 24 years .....           | 1,246 | 1,303 | 1,171 | 1,127 | 1,207 | 1,125 | 1,250 | 1,231 | 1,250 | 1,238 | 1,242 | 1,252 | 1,225 |
| 25 years and over .....        | 4,098 | 4,073 | 4,026 | 3,981 | 4,159 | 4,060 | 4,054 | 4,106 | 4,069 | 4,197 | 4,144 | 4,188 | 4,242 |
| 25 to 54 years .....           | 3,641 | 3,629 | 3,569 | 3,558 | 3,731 | 3,637 | 3,546 | 3,629 | 3,568 | 3,701 | 3,652 | 3,688 | 3,744 |
| 55 years and over .....        | 452   | 462   | 459   | 419   | 454   | 453   | 507   | 480   | 473   | 465   | 464   | 496   | 494   |
| Men, 16 years and over .....   | 3,550 | 3,640 | 3,504 | 3,286 | 3,566 | 3,429 | 3,464 | 3,427 | 3,485 | 3,679 | 3,553 | 3,624 | 3,582 |
| 16 to 24 years .....           | 1,283 | 1,459 | 1,302 | 1,165 | 1,260 | 1,260 | 1,332 | 1,263 | 1,330 | 1,361 | 1,349 | 1,380 | 1,361 |
| 16 to 19 years .....           | 635   | 753   | 677   | 601   | 644   | 668   | 662   | 606   | 629   | 637   | 661   | 690   | 665   |
| 16 to 17 years .....           | 293   | 317   | 304   | 269   | 284   | 302   | 316   | 279   | 295   | 311   | 308   | 312   | 319   |
| 18 to 19 years .....           | 340   | 438   | 368   | 340   | 360   | 371   | 347   | 309   | 325   | 340   | 353   | 382   | 346   |
| 20 to 24 years .....           | 648   | 706   | 625   | 564   | 616   | 592   | 670   | 657   | 701   | 724   | 688   | 690   | 696   |
| 25 years and over .....        | 2,277 | 2,225 | 2,212 | 2,138 | 2,298 | 2,118 | 2,102 | 2,132 | 2,143 | 2,313 | 2,214 | 2,258 | 2,238 |
| 25 to 54 years .....           | 1,990 | 1,976 | 1,933 | 1,890 | 2,038 | 1,863 | 1,815 | 1,858 | 1,821 | 1,978 | 1,919 | 1,967 | 1,917 |
| 55 years and over .....        | 277   | 261   | 290   | 250   | 282   | 265   | 275   | 278   | 293   | 310   | 280   | 303   | 314   |
| Women, 16 years and over ..... | 2,959 | 2,985 | 2,856 | 2,912 | 2,965 | 2,990 | 3,105 | 3,150 | 3,035 | 2,925 | 3,010 | 3,028 | 3,076 |
| 16 to 24 years .....           | 1,143 | 1,138 | 1,041 | 1,066 | 1,107 | 1,052 | 1,153 | 1,156 | 1,107 | 1,065 | 1,079 | 1,092 | 1,067 |
| 16 to 19 years .....           | 545   | 541   | 495   | 503   | 516   | 519   | 573   | 582   | 558   | 551   | 525   | 530   | 538   |
| 16 to 17 years .....           | 238   | 246   | 248   | 225   | 212   | 214   | 224   | 251   | 250   | 223   | 228   | 236   | 239   |
| 18 to 19 years .....           | 308   | 294   | 235   | 276   | 301   | 313   | 372   | 329   | 298   | 344   | 292   | 283   | 299   |
| 20 to 24 years .....           | 598   | 597   | 546   | 563   | 591   | 533   | 580   | 574   | 549   | 514   | 554   | 562   | 529   |
| 25 years and over .....        | 1,821 | 1,848 | 1,814 | 1,843 | 1,861 | 1,942 | 1,952 | 1,974 | 1,926 | 1,884 | 1,930 | 1,930 | 2,004 |
| 25 to 54 years .....           | 1,651 | 1,653 | 1,636 | 1,668 | 1,693 | 1,774 | 1,731 | 1,771 | 1,747 | 1,723 | 1,733 | 1,721 | 1,627 |
| 55 years and over .....        | 175   | 201   | 169   | 169   | 172   | 168   | 232   | 202   | 180   | 155   | 184   | 193   | 180   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-38. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

| Sex and age                    | 1988 | 1989 |      |      |      |      |      |      |      |       |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
|                                | Dec. | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Total, 16 years and over ..... | 5.3  | 5.4  | 5.2  | 5.0  | 5.3  | 5.2  | 5.3  | 5.3  | 5.3  | 5.3   | 5.3  | 5.3  | 5.3  |
| 16 to 24 years .....           | 10.9 | 11.6 | 10.6 | 10.0 | 10.6 | 10.5 | 11.1 | 10.9 | 11.0 | 11.1  | 11.1 | 11.3 | 11.2 |
| 16 to 19 years .....           | 14.8 | 16.1 | 14.8 | 14.0 | 14.6 | 15.0 | 15.4 | 15.1 | 14.8 | 15.0  | 14.9 | 15.3 | 15.2 |
| 16 to 17 years .....           | 16.6 | 17.8 | 17.6 | 15.8 | 15.9 | 16.6 | 17.4 | 17.7 | 17.5 | 17.2  | 16.9 | 17.4 | 18.1 |
| 18 to 19 years .....           | 13.5 | 15.0 | 12.7 | 12.9 | 13.7 | 14.3 | 14.6 | 13.1 | 12.8 | 14.2  | 13.5 | 13.8 | 13.4 |
| 20 to 24 years .....           | 8.7  | 9.1  | 8.2  | 7.9  | 8.4  | 7.9  | 8.7  | 8.6  | 8.8  | 8.8   | 8.9  | 9.0  | 8.9  |
| 25 years and over .....        | 4.1  | 4.0  | 4.0  | 3.9  | 4.1  | 4.0  | 4.0  | 4.0  | 4.0  | 4.1   | 4.1  | 4.1  | 4.1  |
| 25 to 54 years .....           | 4.3  | 4.2  | 4.2  | 4.2  | 4.3  | 4.2  | 4.1  | 4.2  | 4.1  | 4.3   | 4.2  | 4.2  | 4.3  |
| 55 years and over .....        | 3.0  | 3.0  | 3.0  | 2.7  | 3.0  | 2.9  | 3.3  | 3.1  | 3.1  | 3.0   | 3.0  | 3.2  | 3.2  |
| Men, 16 years and over .....   | 5.3  | 5.4  | 5.2  | 4.9  | 5.3  | 5.1  | 5.1  | 5.0  | 5.1  | 5.4   | 5.2  | 5.3  | 5.3  |
| 16 to 24 years .....           | 11.1 | 12.5 | 11.2 | 10.0 | 10.8 | 10.9 | 11.4 | 10.9 | 11.5 | 11.9  | 11.7 | 12.0 | 11.8 |
| 16 to 19 years .....           | 15.4 | 18.3 | 16.4 | 14.6 | 15.6 | 16.3 | 15.9 | 14.7 | 15.1 | 15.7  | 15.9 | 16.7 | 16.1 |
| 16 to 17 years .....           | 17.7 | 19.9 | 18.8 | 16.5 | 17.5 | 18.7 | 19.5 | 17.8 | 17.7 | 19.5  | 18.5 | 19.0 | 19.6 |
| 18 to 19 years .....           | 13.7 | 17.2 | 14.7 | 13.6 | 14.3 | 15.1 | 13.7 | 12.1 | 13.1 | 13.7  | 14.2 | 15.1 | 13.8 |
| 20 to 24 years .....           | 8.6  | 9.3  | 8.3  | 7.5  | 8.2  | 8.0  | 8.9  | 8.9  | 9.4  | 9.8   | 9.3  | 9.4  | 9.5  |
| 25 years and over .....        | 4.1  | 4.0  | 4.0  | 3.8  | 4.1  | 3.8  | 3.7  | 3.8  | 3.8  | 4.1   | 3.9  | 4.0  | 3.9  |
| 25 to 54 years .....           | 4.3  | 4.2  | 4.1  | 4.0  | 4.3  | 3.9  | 3.8  | 3.9  | 3.8  | 4.1   | 4.0  | 4.1  | 4.0  |
| 55 years and over .....        | 3.2  | 3.0  | 3.3  | 2.8  | 3.2  | 3.0  | 3.1  | 3.1  | 3.3  | 3.5   | 3.2  | 3.5  | 3.6  |
| Women, 16 years and over ..... | 5.3  | 5.3  | 5.1  | 5.2  | 5.3  | 5.3  | 5.5  | 5.6  | 5.4  | 5.2   | 5.4  | 5.4  | 5.5  |
| 16 to 24 years .....           | 10.6 | 10.6 | 9.9  | 10.1 | 10.4 | 10.0 | 10.8 | 10.9 | 10.4 | 10.2  | 10.4 | 10.4 | 10.4 |
| 16 to 19 years .....           | 14.1 | 13.9 | 13.1 | 13.3 | 13.5 | 13.7 | 14.9 | 15.5 | 14.6 | 14.4  | 13.8 | 13.8 | 14.3 |
| 16 to 17 years .....           | 15.4 | 15.7 | 16.3 | 15.1 | 14.1 | 14.3 | 15.2 | 17.6 | 17.2 | 14.7  | 15.0 | 15.7 | 16.5 |
| 18 to 19 years .....           | 13.2 | 12.7 | 10.4 | 12.0 | 12.9 | 13.4 | 15.6 | 14.2 | 12.5 | 14.6  | 12.8 | 12.3 | 13.0 |
| 20 to 24 years .....           | 8.7  | 8.8  | 8.1  | 8.3  | 8.7  | 7.9  | 8.5  | 8.3  | 8.1  | 7.7   | 8.5  | 8.5  | 8.2  |
| 25 years and over .....        | 4.1  | 4.1  | 4.0  | 4.1  | 4.1  | 4.3  | 4.3  | 4.3  | 4.2  | 4.1   | 4.2  | 4.2  | 4.3  |
| 25 to 54 years .....           | 4.3  | 4.3  | 4.2  | 4.3  | 4.4  | 4.6  | 4.5  | 4.5  | 4.5  | 4.4   | 4.4  | 4.4  | 4.6  |
| 55 years and over .....        | 2.7  | 3.1  | 2.6  | 2.6  | 2.7  | 2.9  | 3.6  | 3.1  | 2.8  | 2.4   | 2.8  | 2.9  | 2.7  |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-39. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

| Category  | 1988 | 1989 |      |      |      |      |      |      |      |       |      |      |      |
|---|------|------|------|------|------|------|------|------|------|-------|------|------|------|
|   | Dec. | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| <b>CHARACTERISTIC</b>                                 |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Total (all civilian workers) .....                    | 5.3  | 5.4  | 5.2  | 5.0  | 5.3  | 5.2  | 5.3  | 5.3  | 5.3  | 5.3   | 5.3  | 5.3  | 5.3  |
| Men, 20 years and over .....                          | 4.6  | 4.6  | 4.5  | 4.2  | 4.6  | 4.3  | 4.4  | 4.4  | 4.5  | 4.8   | 4.5  | 4.6  | 4.6  |
| Women, 20 years and over .....                        | 4.7  | 4.7  | 4.6  | 4.6  | 4.7  | 4.7  | 4.8  | 4.9  | 4.7  | 4.5   | 4.8  | 4.8  | 4.8  |
| Both sexes, 16 to 19 years .....                      | 14.8 | 16.1 | 14.8 | 14.0 | 14.6 | 15.0 | 15.4 | 15.1 | 14.8 | 15.0  | 14.9 | 15.3 | 15.2 |
| White .....   | 4.6  | 4.6  | 4.3  | 4.3  | 4.5  | 4.4  | 4.5  | 4.5  | 4.5  | 4.5   | 4.5  | 4.5  | 4.6  |
| Black and other .....                                 | 10.0 | 10.5 | 10.3 | 9.8  | 9.7  | 9.6  | 10.2 | 9.6  | 9.7  | 10.2  | 10.2 | 10.3 | 10.2 |
| Hispanic origin .....                                 | 11.4 | 11.7 | 11.6 | 11.0 | 11.0 | 11.1 | 11.8 | 11.0 | 11.2 | 11.7  | 11.7 | 11.9 | 11.8 |
| Hispanic origin .....                                 | 7.6  | 8.2  | 7.0  | 6.7  | 8.2  | 7.9  | 8.0  | 8.8  | 8.8  | 8.3   | 8.0  | 8.0  | 8.5  |
| Married men, spouse present .....                     | 3.1  | 3.1  | 3.0  | 2.9  | 3.2  | 2.9  | 2.9  | 3.0  | 3.1  | 3.3   | 3.0  | 3.1  | 3.0  |
| Married women, spouse present .....                   | 3.6  | 3.7  | 3.4  | 3.5  | 4.0  | 3.8  | 3.8  | 3.8  | 3.9  | 3.8   | 3.9  | 3.8  | 3.9  |
| Women who maintain families .....                     | 8.2  | 7.9  | 8.0  | 7.9  | 7.8  | 8.2  | 7.9  | 8.5  | 8.0  | 7.7   | 7.8  | 8.2  | 8.1  |
| Full-time workers .....                               | 5.0  | 5.0  | 4.8  | 4.8  | 5.0  | 4.9  | 4.9  | 5.0  | 4.9  | 5.0   | 4.9  | 5.0  | 5.0  |
| Part-time workers .....                               | 7.0  | 7.7  | 7.2  | 6.4  | 7.2  | 6.9  | 7.7  | 7.2  | 7.1  | 7.3   | 7.1  | 7.4  | 7.5  |
| Unemployed 15 weeks and over <sup>1</sup> .....       | 1.2  | 1.2  | 1.1  | 1.1  | 1.1  | 1.1  | 1.0  | 1.2  | 1.1  | 1.1   | 1.1  | 1.1  | 1.1  |
| Labor force time lost <sup>2</sup> .....              | 6.2  | 6.1  | 6.0  | 5.9  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0   | 5.9  | 5.9  | 6.0  |
| <b>INDUSTRY</b>                                       |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Nonagricultural private wage and salary workers ..... | 5.3  | 5.5  | 5.2  | 5.1  | 5.3  | 5.2  | 5.3  | 5.4  | 5.4  | 5.4   | 5.3  | 5.4  | 5.4  |
| Goods-producing industries .....                      | 6.3  | 6.3  | 6.1  | 6.0  | 6.0  | 5.9  | 6.2  | 6.2  | 6.3  | 6.3   | 6.2  | 6.3  | 6.5  |
| Mining .....  | 7.6  | 6.2  | 7.6  | 7.0  | 5.8  | 4.6  | 3.9  | 5.8  | 6.4  | 8.4   | 4.8  | 6.2  | 4.4  |
| Construction .....                                    | 10.3 | 10.3 | 10.0 | 9.6  | 9.8  | 9.5  | 10.0 | 10.3 | 10.2 | 10.1  | 9.3  | 9.8  | 9.8  |
| Manufacturing .....                                   | 5.1  | 5.2  | 4.9  | 4.8  | 5.0  | 4.9  | 5.1  | 5.1  | 5.2  | 5.2   | 5.4  | 5.4  | 5.6  |
| Durable goods .....                                   | 4.9  | 4.8  | 4.5  | 4.6  | 4.7  | 4.6  | 4.6  | 4.7  | 4.9  | 4.9   | 5.2  | 5.4  | 5.4  |
| Nondurable goods .....                                | 5.4  | 5.6  | 5.5  | 5.1  | 5.3  | 5.5  | 5.8  | 5.6  | 5.7  | 5.5   | 5.6  | 5.3  | 5.9  |
| Service-producing industries .....                    | 4.9  | 5.2  | 4.8  | 4.8  | 5.0  | 4.9  | 4.9  | 5.0  | 4.9  | 5.0   | 4.9  | 5.0  | 4.9  |
| Transportation and public utilities .....             | 3.9  | 3.9  | 3.9  | 3.9  | 3.9  | 4.0  | 4.1  | 4.1  | 3.7  | 4.5   | 3.9  | 3.6  | 3.4  |
| Wholesale and retail trade .....                      | 6.1  | 6.4  | 5.7  | 5.7  | 5.9  | 5.6  | 6.0  | 6.1  | 6.0  | 5.9   | 5.9  | 6.4  | 6.3  |
| Finance and service industries .....                  | 4.2  | 4.6  | 4.3  | 4.3  | 4.6  | 4.6  | 4.3  | 4.4  | 4.4  | 4.5   | 4.3  | 4.3  | 4.2  |
| Government workers .....                              | 2.8  | 2.7  | 2.7  | 2.7  | 2.7  | 2.9  | 2.9  | 2.8  | 2.7  | 2.8   | 2.7  | 2.7  | 2.6  |
| Agricultural wage and salary workers .....            | 9.0  | 9.5  | 9.1  | 8.9  | 9.8  | 9.9  | 10.4 | 8.9  | 9.0  | 7.8   | 9.8  | 12.1 | 9.7  |

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

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force

hours.

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-40. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

| Weeks of unemployment                   | 1988  | 1989  |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| <b>DURATION</b>                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Less than 5 weeks .....                 | 3,000 | 3,140 | 3,212 | 3,072 | 3,113 | 3,070 | 3,279 | 3,156 | 3,125 | 3,169 | 3,166 | 3,258 | 3,302 |
| 5 to 14 weeks .....                     | 2,039 | 1,998 | 1,894 | 1,849 | 2,006 | 1,993 | 2,006 | 1,965 | 2,002 | 2,030 | 1,995 | 1,991 | 2,013 |
| 15 weeks and over .....                 | 1,476 | 1,499 | 1,300 | 1,335 | 1,391 | 1,331 | 1,295 | 1,461 | 1,338 | 1,359 | 1,378 | 1,422 | 1,362 |
| 15 to 26 weeks .....                    | 740   | 761   | 660   | 672   | 667   | 711   | 684   | 838   | 759   | 769   | 743   | 765   | 730   |
| 27 weeks and over .....                 | 736   | 738   | 640   | 663   | 724   | 620   | 611   | 623   | 579   | 590   | 635   | 657   | 632   |
| Average (mean) duration, in weeks ..... | 12.8  | 12.6  | 12.3  | 12.4  | 12.6  | 11.9  | 11.2  | 11.9  | 11.4  | 11.5  | 11.7  | 11.6  | 11.5  |
| Median duration, in weeks .....         | 5.7   | 5.6   | 5.4   | 5.5   | 5.4   | 5.3   | 5.4   | 5.4   | 5.0   | 5.0   | 5.0   | 4.8   | 4.8   |
| <b>PERCENT DISTRIBUTION</b>             |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Total unemployed .....                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Less than 5 weeks .....                 | 46.0  | 47.3  | 50.1  | 49.1  | 47.8  | 48.0  | 49.8  | 47.9  | 48.3  | 48.3  | 48.4  | 48.8  | 49.5  |
| 5 to 14 weeks .....                     | 31.3  | 30.1  | 29.6  | 29.6  | 30.8  | 31.2  | 30.5  | 29.9  | 31.0  | 31.0  | 30.5  | 29.8  | 30.1  |
| 15 weeks and over .....                 | 22.7  | 22.6  | 20.3  | 21.3  | 21.4  | 20.8  | 19.7  | 22.2  | 20.7  | 20.7  | 21.1  | 21.3  | 20.4  |
| 15 to 26 weeks .....                    | 11.4  | 11.5  | 10.3  | 10.7  | 10.2  | 11.1  | 10.4  | 12.7  | 11.7  | 11.7  | 11.4  | 11.5  | 10.9  |
| 27 weeks and over .....                 | 11.3  | 11.1  | 10.0  | 10.6  | 11.1  | 9.7   | 9.3   | 9.5   | 9.0   | 9.0   | 9.7   | 9.8   | 9.5   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-41. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

| Reasons for unemployment                                   | 1988  | 1989  |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
| <b>NUMBER OF UNEMPLOYED</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 3,021 | 3,088 | 2,879 | 2,852 | 2,932 | 2,798 | 2,820 | 2,916 | 2,964 | 2,932 | 2,979 | 3,092 | 3,097 |
| On layoff .....  | 806   | 813   | 783   | 806   | 833   | 805   | 813   | 829   | 865   | 852   | 780   | 969   | 957   |
| Other job losers .....                                     | 2,215 | 2,275 | 2,096 | 2,046 | 2,099 | 1,993 | 2,007 | 2,087 | 2,099 | 2,080 | 2,199 | 2,123 | 2,140 |
| Job leavers .....  | 994   | 973   | 980   | 902   | 985   | 1,103 | 1,021 | 1,016 | 1,031 | 1,034 | 994   | 1,049 | 1,055 |
| Reentrants .....   | 1,740 | 1,827 | 1,767 | 1,774 | 1,882 | 1,853 | 1,993 | 1,901 | 1,772 | 1,920 | 1,890 | 1,845 | 1,853 |
| New entrants .....   | 785   | 768   | 757   | 713   | 692   | 696   | 726   | 723   | 643   | 648   | 685   | 695   | 686   |
| <b>PERCENT DISTRIBUTION</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Total unemployed .....                                     | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Job losers .....   | 46.2  | 46.4  | 45.1  | 45.7  | 45.2  | 43.4  | 43.0  | 44.5  | 46.2  | 44.9  | 45.5  | 46.3  | 46.3  |
| On layoff .....  | 12.3  | 12.2  | 12.3  | 12.9  | 12.8  | 12.5  | 12.4  | 12.6  | 13.5  | 13.0  | 11.9  | 14.5  | 14.3  |
| Other job losers .....                                     | 33.9  | 34.2  | 32.8  | 32.8  | 32.3  | 30.9  | 30.6  | 31.8  | 32.7  | 31.8  | 33.6  | 31.8  | 32.0  |
| Job leavers .....  | 15.2  | 14.6  | 15.4  | 14.5  | 15.2  | 17.1  | 15.6  | 15.5  | 16.1  | 15.8  | 15.2  | 15.7  | 15.8  |
| Reentrants .....   | 26.6  | 27.4  | 27.7  | 28.4  | 29.0  | 28.7  | 30.4  | 29.0  | 27.6  | 29.4  | 28.9  | 27.6  | 27.7  |
| New entrants .....   | 12.0  | 11.5  | 11.9  | 11.4  | 10.7  | 10.8  | 11.1  | 11.0  | 10.0  | 9.9   | 10.5  | 10.4  | 10.3  |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 2.5   | 2.5   | 2.3   | 2.3   | 2.4   | 2.3   | 2.3   | 2.4   | 2.4   | 2.4   | 2.4   | 2.5   | 2.5   |
| Job leavers .....  | .8    | .8    | .8    | .7    | .8    | .9    | .8    | .8    | .8    | .8    | .8    | .8    | .8    |
| Reentrants .....   | 1.4   | 1.5   | 1.4   | 1.4   | 1.5   | 1.5   | 1.6   | 1.5   | 1.4   | 1.5   | 1.5   | 1.5   | 1.5   |
| New entrants .....   | .6    | .6    | .6    | .6    | .6    | .6    | .6    | .6    | .5    | .5    | .6    | .6    | .6    |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-42. 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                      | 1986    | 1987    |         |         |         | 1988    |         |         |         | 1989    |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      |
| <b>TOTAL</b>                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 183,115 | 183,743 | 184,253 | 184,749 | 185,216 | 185,707 | 186,099 | 186,530 | 186,949 | 187,461 | 187,852 | 188,288 | 188,722 |
| Labor force <sup>1</sup> .....                 | 120,333 | 120,807 | 121,401 | 121,813 | 122,345 | 122,739 | 123,026 | 123,616 | 124,138 | 124,897 | 125,433 | 125,720 | 126,098 |
| Percent of population <sup>2</sup> .....       | 65.7    | 65.7    | 65.9    | 65.9    | 66.1    | 66.1    | 66.1    | 66.3    | 66.4    | 66.6    | 66.8    | 66.8    | 66.8    |
| Total employed <sup>1</sup> .....              | 112,235 | 112,947 | 113,887 | 114,582 | 115,297 | 115,838 | 116,361 | 116,904 | 117,629 | 118,503 | 118,927 | 119,153 | 119,474 |
| Employment-population ratio <sup>3</sup> ..... | 61.3    | 61.5    | 61.8    | 62.0    | 62.3    | 62.4    | 62.5    | 62.7    | 62.9    | 63.2    | 63.3    | 63.3    | 63.3    |
| Resident Armed Forces .....                    | 1,750   | 1,741   | 1,726   | 1,733   | 1,749   | 1,740   | 1,710   | 1,690   | 1,696   | 1,688   | 1,674   | 1,685   | 1,704   |
| Civilian employed .....                        | 110,485 | 111,206 | 112,161 | 112,849 | 113,548 | 114,098 | 114,651 | 115,214 | 115,933 | 116,815 | 117,253 | 117,468 | 117,770 |
| Agriculture .....                              | 3,163   | 3,181   | 3,283   | 3,175   | 3,191   | 3,194   | 3,170   | 3,110   | 3,223   | 3,216   | 3,140   | 3,237   | 3,185   |
| Nonagricultural industries .....               | 107,322 | 108,025 | 108,878 | 109,673 | 110,357 | 110,904 | 111,481 | 112,104 | 112,710 | 113,598 | 114,113 | 114,231 | 114,585 |
| Unemployed .....                               | 8,097   | 7,860   | 7,514   | 7,231   | 7,048   | 6,900   | 6,664   | 6,712   | 6,508   | 6,394   | 6,506   | 6,567   | 6,624   |
| Unemployment rate <sup>4</sup> .....           | 6.7     | 6.5     | 6.2     | 5.9     | 5.8     | 5.6     | 5.4     | 5.4     | 5.2     | 5.1     | 5.2     | 5.2     | 5.3     |
| Not in labor force .....                       | 62,782  | 62,937  | 62,852  | 62,936  | 62,870  | 62,969  | 63,074  | 62,914  | 62,811  | 62,564  | 62,419  | 62,567  | 62,624  |
| <b>Men</b>                                     |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 87,775  | 88,101  | 88,358  | 88,605  | 88,843  | 89,100  | 89,293  | 89,509  | 89,715  | 89,973  | 90,166  | 90,385  | 90,606  |
| Labor force <sup>1</sup> .....                 | 67,347  | 67,566  | 67,695  | 67,809  | 68,035  | 68,170  | 68,425  | 68,639  | 68,666  | 69,023  | 69,326  | 69,376  | 69,653  |
| Percent of population <sup>2</sup> .....       | 76.7    | 76.7    | 76.6    | 76.5    | 76.6    | 76.5    | 76.6    | 76.7    | 76.5    | 76.7    | 76.9    | 76.8    | 76.9    |
| Total employed <sup>1</sup> .....              | 62,842  | 63,225  | 63,478  | 63,816  | 64,227  | 64,435  | 64,785  | 64,964  | 65,109  | 65,546  | 65,839  | 65,846  | 66,067  |
| Employment-population ratio <sup>3</sup> ..... | 71.6    | 71.8    | 71.8    | 72.0    | 72.3    | 72.3    | 72.6    | 72.6    | 72.6    | 72.9    | 73.0    | 72.9    | 72.9    |
| Resident Armed Forces .....                    | 1,592   | 1,583   | 1,567   | 1,572   | 1,587   | 1,579   | 1,548   | 1,527   | 1,534   | 1,525   | 1,511   | 1,516   | 1,529   |
| Civilian employed .....                        | 61,250  | 61,642  | 61,911  | 62,244  | 62,639  | 62,855  | 63,236  | 63,437  | 63,575  | 64,022  | 64,328  | 64,330  | 64,538  |
| Unemployed .....                               | 4,505   | 4,341   | 4,218   | 3,993   | 3,808   | 3,736   | 3,640   | 3,675   | 3,557   | 3,477   | 3,486   | 3,530   | 3,586   |
| Unemployment rate <sup>4</sup> .....           | 6.7     | 6.4     | 6.2     | 5.9     | 5.6     | 5.5     | 5.3     | 5.4     | 5.2     | 5.0     | 5.0     | 5.1     | 5.1     |
| Not in labor force .....                       | 20,428  | 20,535  | 20,662  | 20,797  | 20,808  | 20,930  | 20,868  | 20,870  | 21,049  | 20,950  | 20,840  | 21,009  | 20,953  |
| <b>Women</b>                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Noninstitutional population <sup>1</sup> ..... | 95,341  | 95,642  | 95,896  | 96,144  | 96,372  | 96,608  | 96,806  | 97,022  | 97,234  | 97,488  | 97,686  | 97,903  | 98,116  |
| Labor force <sup>1</sup> .....                 | 52,986  | 53,241  | 53,706  | 54,004  | 54,310  | 54,568  | 54,601  | 54,977  | 55,472  | 55,874  | 56,108  | 56,344  | 56,445  |
| Percent of population <sup>2</sup> .....       | 55.6    | 55.7    | 56.0    | 56.2    | 56.4    | 56.5    | 56.4    | 56.7    | 57.0    | 57.3    | 57.4    | 57.6    | 57.5    |
| Total employed <sup>1</sup> .....              | 49,394  | 49,722  | 50,410  | 50,766  | 51,070  | 51,404  | 51,577  | 51,940  | 52,521  | 52,956  | 53,088  | 53,307  | 53,407  |
| Employment-population ratio <sup>3</sup> ..... | 51.8    | 52.0    | 52.6    | 52.8    | 53.0    | 53.2    | 53.3    | 53.5    | 54.0    | 54.3    | 54.3    | 54.4    | 54.4    |
| Resident Armed Forces .....                    | 158     | 158     | 160     | 161     | 161     | 161     | 162     | 163     | 162     | 163     | 163     | 169     | 175     |
| Civilian employed .....                        | 49,235  | 49,564  | 50,250  | 50,605  | 50,909  | 51,243  | 51,415  | 51,777  | 52,359  | 52,793  | 52,924  | 53,138  | 53,232  |
| Unemployed .....                               | 3,592   | 3,519   | 3,296   | 3,238   | 3,240   | 3,165   | 3,024   | 3,037   | 2,951   | 2,918   | 3,020   | 3,037   | 3,038   |
| Unemployment rate <sup>4</sup> .....           | 6.8     | 6.6     | 6.1     | 6.0     | 6.0     | 5.8     | 5.5     | 5.5     | 5.3     | 5.2     | 5.4     | 5.4     | 5.4     |
| Not in labor force .....                       | 42,356  | 42,401  | 42,190  | 42,140  | 42,062  | 42,040  | 42,205  | 42,045  | 41,762  | 41,614  | 41,579  | 41,559  | 41,670  |

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.  
<sup>2</sup> Labor force as a percent of the noninstitutional population.  
<sup>3</sup> Total employment as a percent of the noninstitutional population.  
<sup>4</sup> 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-42 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-43. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted**

(Numbers in thousands)

| Employment status,<br>sex, and age                      | 1986    | 1987    |         |         |         | 1988    |         |         |         | 1989    |         |         |         |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|   | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      |
| <b>TOTAL</b>  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 181,365 | 182,002 | 182,527 | 183,016 | 183,467 | 183,967 | 184,389 | 184,840 | 185,253 | 185,773 | 186,178 | 186,602 | 187,018 |
| Civilian labor force .....                              | 118,583 | 119,065 | 119,675 | 120,080 | 120,597 | 120,998 | 121,315 | 121,926 | 122,442 | 123,209 | 123,759 | 124,035 | 124,394 |
| Percent of population .....                             | 65.4    | 65.4    | 65.6    | 65.6    | 65.7    | 65.8    | 65.8    | 66.0    | 66.1    | 66.3    | 66.5    | 66.5    | 66.5    |
| Employed .....  | 110,485 | 111,206 | 112,161 | 112,849 | 113,548 | 114,098 | 114,651 | 115,214 | 115,933 | 116,815 | 117,253 | 117,468 | 117,770 |
| Employment-population ratio <sup>2</sup> .....          | 60.9    | 61.1    | 61.4    | 61.7    | 61.9    | 62.0    | 62.2    | 62.3    | 62.6    | 62.9    | 63.0    | 63.0    | 63.0    |
| Unemployed .....  | 8,097   | 7,860   | 7,514   | 7,231   | 7,048   | 6,900   | 6,664   | 6,712   | 6,508   | 6,394   | 6,506   | 6,567   | 6,624   |
| Unemployment rate .....                                 | 6.8     | 6.6     | 6.3     | 6.0     | 5.8     | 5.7     | 5.5     | 5.5     | 5.3     | 5.2     | 5.3     | 5.3     | 5.3     |
| <b>Men, 20 years and over</b>                           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 78,883  | 79,217  | 79,466  | 79,678  | 79,898  | 80,194  | 80,418  | 80,676  | 80,925  | 81,251  | 81,510  | 81,741  | 81,976  |
| Civilian labor force .....                              | 61,701  | 61,869  | 62,056  | 62,112  | 62,310  | 62,463  | 62,714  | 62,880  | 63,019  | 63,382  | 63,682  | 63,741  | 63,985  |
| Percent of population .....                             | 78.2    | 78.1    | 78.1    | 78.0    | 78.0    | 77.9    | 78.0    | 77.9    | 77.9    | 78.0    | 78.1    | 78.0    | 78.1    |
| Employed .....  | 57,933  | 58,293  | 58,584  | 58,830  | 59,209  | 59,409  | 59,726  | 59,909  | 60,094  | 60,582  | 60,854  | 60,835  | 61,071  |
| Employment-population ratio <sup>2</sup> .....          | 73.4    | 73.6    | 73.7    | 73.8    | 74.1    | 74.1    | 74.3    | 74.3    | 74.3    | 74.6    | 74.7    | 74.4    | 74.5    |
| Agriculture .....                                       | 2,296   | 2,315   | 2,395   | 2,307   | 2,296   | 2,278   | 2,256   | 2,247   | 2,306   | 2,302   | 2,281   | 2,333   | 2,296   |
| Nonagricultural industries .....                        | 55,637  | 55,978  | 56,189  | 56,523  | 56,913  | 57,131  | 57,470  | 57,662  | 57,789  | 58,280  | 58,573  | 58,502  | 58,775  |
| Unemployed .....  | 3,768   | 3,576   | 3,472   | 3,282   | 3,101   | 3,054   | 2,988   | 2,971   | 2,924   | 2,800   | 2,828   | 2,906   | 2,914   |
| Unemployment rate .....                                 | 6.1     | 5.8     | 5.6     | 5.3     | 5.0     | 4.9     | 4.8     | 4.7     | 4.6     | 4.4     | 4.4     | 4.6     | 4.6     |
| Not in labor force .....                                | 17,182  | 17,348  | 17,410  | 17,566  | 17,588  | 17,731  | 17,704  | 17,796  | 17,906  | 17,869  | 17,828  | 18,000  | 17,991  |
| <b>Women, 20 years and over</b>                         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 87,935  | 88,236  | 88,468  | 88,701  | 88,925  | 89,183  | 89,397  | 89,664  | 89,883  | 90,155  | 90,425  | 90,685  | 90,952  |
| Civilian labor force .....                              | 49,001  | 49,266  | 49,677  | 49,951  | 50,229  | 50,506  | 50,593  | 50,908  | 51,471  | 51,884  | 52,116  | 52,365  | 52,469  |
| Percent of population .....                             | 55.7    | 55.8    | 56.2    | 56.3    | 56.5    | 56.6    | 56.6    | 56.8    | 57.3    | 57.6    | 57.6    | 57.7    | 57.7    |
| Employed .....  | 46,072  | 46,391  | 46,985  | 47,297  | 47,621  | 47,941  | 48,124  | 48,427  | 49,044  | 49,480  | 49,632  | 49,892  | 49,962  |
| Employment-population ratio <sup>2</sup> .....          | 52.4    | 52.6    | 53.1    | 53.3    | 53.6    | 53.8    | 53.8    | 54.0    | 54.6    | 54.9    | 54.9    | 55.0    | 54.9    |
| Agriculture .....                                       | 625     | 605     | 622     | 616     | 641     | 629     | 639     | 590     | 651     | 666     | 631     | 647     | 628     |
| Nonagricultural industries .....                        | 45,448  | 45,786  | 46,362  | 46,680  | 46,981  | 47,312  | 47,484  | 47,837  | 48,393  | 48,814  | 49,001  | 49,245  | 49,335  |
| Unemployed .....  | 2,929   | 2,875   | 2,693   | 2,654   | 2,608   | 2,565   | 2,470   | 2,481   | 2,427   | 2,405   | 2,484   | 2,473   | 2,507   |
| Unemployment rate .....                                 | 6.0     | 5.8     | 5.4     | 5.3     | 5.2     | 5.1     | 4.9     | 4.9     | 4.7     | 4.6     | 4.8     | 4.7     | 4.8     |
| Not in labor force .....                                | 38,934  | 38,970  | 38,791  | 38,750  | 38,696  | 38,677  | 38,804  | 38,756  | 38,412  | 38,271  | 38,309  | 38,320  | 38,483  |
| <b>Both sexes, 16 to 19 years</b>                       |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> ..... | 14,547  | 14,548  | 14,593  | 14,638  | 14,644  | 14,590  | 14,574  | 14,500  | 14,445  | 14,367  | 14,243  | 14,177  | 14,090  |
| Civilian labor force .....                              | 7,881   | 7,930   | 7,941   | 8,016   | 8,057   | 8,030   | 8,008   | 8,138   | 7,952   | 7,943   | 7,961   | 7,929   | 7,939   |
| Percent of population .....                             | 54.2    | 54.5    | 54.4    | 54.8    | 55.0    | 55.0    | 54.9    | 56.1    | 55.0    | 55.3    | 55.9    | 55.9    | 56.3    |
| Employed .....  | 6,480   | 6,522   | 6,592   | 6,722   | 6,718   | 6,748   | 6,801   | 6,878   | 6,795   | 6,753   | 6,767   | 6,741   | 6,736   |
| Employment-population ratio <sup>2</sup> .....          | 44.5    | 44.8    | 45.2    | 45.9    | 45.9    | 46.3    | 46.7    | 47.4    | 47.0    | 47.0    | 47.5    | 47.6    | 47.8    |
| Agriculture .....                                       | 243     | 260     | 265     | 252     | 254     | 287     | 274     | 273     | 267     | 248     | 227     | 257     | 261     |
| Nonagricultural industries .....                        | 6,238   | 6,261   | 6,327   | 6,470   | 6,463   | 6,461   | 6,527   | 6,605   | 6,528   | 6,504   | 6,539   | 6,484   | 6,476   |
| Unemployed .....  | 1,400   | 1,409   | 1,349   | 1,295   | 1,339   | 1,281   | 1,207   | 1,260   | 1,157   | 1,190   | 1,194   | 1,188   | 1,203   |
| Unemployment rate .....                                 | 17.8    | 17.8    | 17.0    | 16.2    | 16.6    | 16.0    | 15.1    | 15.5    | 14.5    | 15.0    | 15.0    | 15.0    | 15.2    |
| Not in labor force .....                                | 6,666   | 6,618   | 6,652   | 6,622   | 6,587   | 6,560   | 6,566   | 6,362   | 6,493   | 6,424   | 6,282   | 6,248   | 6,151   |

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

| Employment status,<br>race, sex, age, and<br>Hispanic origin | 1986    | 1987    |         |         |         | 1988    |         |         |         | 1989    |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      |
| <b>WHITE</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> .....      | 155,982 | 156,435 | 156,806 | 157,145 | 157,448 | 157,772 | 158,048 | 158,347 | 158,611 | 158,944 | 159,198 | 159,473 | 159,738 |
| Civilian labor force .....                                   | 102,446 | 102,708 | 103,193 | 103,417 | 103,805 | 104,207 | 104,517 | 104,946 | 105,344 | 105,895 | 106,278 | 106,421 | 106,783 |
| Percent of population .....                                  | 65.7    | 65.7    | 65.8    | 65.8    | 65.9    | 66.0    | 66.1    | 66.3    | 66.4    | 66.6    | 66.8    | 66.7    | 66.8    |
| Employed .....   | 96,398  | 96,856  | 97,613  | 98,105  | 98,600  | 99,135  | 99,653  | 99,946  | 100,526 | 101,246 | 101,505 | 101,603 | 101,962 |
| Employment-population ratio <sup>2</sup> .....               | 61.8    | 61.9    | 62.3    | 62.4    | 62.6    | 62.8    | 63.1    | 63.1    | 63.4    | 63.7    | 63.8    | 63.7    | 63.8    |
| Unemployed .....   | 6,048   | 5,852   | 5,580   | 5,312   | 5,205   | 5,072   | 4,864   | 5,000   | 4,818   | 4,649   | 4,773   | 4,818   | 4,821   |
| Unemployment rate .....                                      | 5.9     | 5.7     | 5.4     | 5.1     | 5.0     | 4.9     | 4.7     | 4.8     | 4.6     | 4.4     | 4.5     | 4.5     | 4.5     |
| <b>Men, 20 years and over</b>                                |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 53,980  | 54,082  | 54,193  | 54,227  | 54,394  | 54,490  | 54,664  | 54,853  | 54,928  | 55,228  | 55,399  | 55,457  | 55,683  |
| Percent of population .....                                  | 78.6    | 78.5    | 78.4    | 78.3    | 78.3    | 78.2    | 78.3    | 78.4    | 78.3    | 78.5    | 78.5    | 78.4    | 78.5    |
| Employed .....   | 51,109  | 51,318  | 51,542  | 51,735  | 52,013  | 52,182  | 52,430  | 52,568  | 52,694  | 53,134  | 53,286  | 53,264  | 53,515  |
| Employment-population ratio <sup>2</sup> .....               | 74.4    | 74.5    | 74.6    | 74.7    | 74.9    | 74.9    | 75.1    | 75.1    | 75.1    | 75.5    | 75.5    | 75.3    | 75.4    |
| Unemployed .....   | 2,870   | 2,763   | 2,650   | 2,492   | 2,381   | 2,307   | 2,235   | 2,285   | 2,234   | 2,095   | 2,113   | 2,193   | 2,168   |
| Unemployment rate .....                                      | 5.3     | 5.1     | 4.9     | 4.6     | 4.4     | 4.2     | 4.1     | 4.2     | 4.1     | 3.8     | 3.8     | 4.0     | 3.9     |
| <b>Women, 20 years and over</b>                              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 41,588  | 41,734  | 42,098  | 42,331  | 42,492  | 42,759  | 42,906  | 43,107  | 43,546  | 43,816  | 44,039  | 44,204  | 44,345  |
| Percent of population .....                                  | 55.2    | 55.2    | 55.6    | 55.8    | 55.8    | 56.1    | 56.2    | 56.3    | 56.8    | 57.0    | 57.1    | 57.2    | 57.3    |
| Employed .....   | 39,473  | 39,696  | 40,178  | 40,459  | 40,638  | 40,941  | 41,182  | 41,325  | 41,817  | 42,134  | 42,249  | 42,429  | 42,555  |
| Employment-population ratio <sup>2</sup> .....               | 52.3    | 52.5    | 53.0    | 53.3    | 53.4    | 53.7    | 53.9    | 54.0    | 54.5    | 54.8    | 54.8    | 54.9    | 55.0    |
| Unemployed .....   | 2,116   | 2,038   | 1,920   | 1,872   | 1,854   | 1,817   | 1,724   | 1,782   | 1,729   | 1,686   | 1,790   | 1,775   | 1,791   |
| Unemployment rate .....                                      | 5.1     | 4.9     | 4.6     | 4.4     | 4.4     | 4.3     | 4.0     | 4.1     | 4.0     | 3.8     | 4.1     | 4.0     | 4.0     |
| <b>Both sexes, 16 to 19 years</b>                            |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 6,878   | 6,892   | 6,902   | 6,859   | 6,919   | 6,959   | 6,947   | 6,985   | 6,869   | 6,850   | 6,840   | 6,760   | 6,754   |
| Percent of population .....                                  | 57.8    | 57.8    | 57.8    | 57.4    | 58.0    | 58.5    | 58.5    | 59.0    | 58.5    | 58.8    | 59.1    | 58.8    | 59.3    |
| Employed .....   | 5,816   | 5,841   | 5,893   | 5,911   | 5,948   | 6,011   | 6,042   | 6,052   | 6,015   | 5,981   | 5,970   | 5,910   | 5,892   |
| Employment-population ratio <sup>2</sup> .....               | 48.9    | 49.0    | 49.3    | 49.4    | 49.9    | 50.6    | 50.9    | 51.1    | 51.2    | 51.3    | 51.6    | 51.4    | 51.8    |
| Unemployed .....   | 1,062   | 1,051   | 1,009   | 948     | 971     | 948     | 905     | 933     | 854     | 869     | 869     | 850     | 862     |
| Unemployment rate .....                                      | 15.4    | 15.2    | 14.6    | 13.8    | 14.0    | 13.6    | 13.0    | 13.4    | 12.4    | 12.7    | 12.7    | 12.6    | 12.8    |
| Men .....  | 15.9    | 16.4    | 16.0    | 14.6    | 14.8    | 14.2    | 13.7    | 14.5    | 13.3    | 14.2    | 13.6    | 13.1    | 14.1    |
| Women .....  | 15.0    | 14.0    | 13.1    | 13.0    | 13.2    | 13.0    | 12.3    | 12.2    | 11.5    | 11.0    | 11.7    | 12.0    | 11.4    |
| <b>BLACK</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian noninstitutional population <sup>1</sup> .....      | 20,120  | 20,218  | 20,310  | 20,398  | 20,481  | 20,568  | 20,651  | 20,737  | 20,813  | 20,904  | 20,985  | 21,061  | 21,136  |
| Civilian labor force .....                                   | 12,710  | 12,827  | 12,884  | 13,082  | 13,169  | 13,124  | 13,096  | 13,247  | 13,345  | 13,440  | 13,453  | 13,514  | 13,535  |
| Percent of population .....                                  | 63.2    | 63.4    | 63.4    | 64.1    | 64.3    | 63.8    | 63.4    | 63.9    | 64.1    | 64.3    | 64.1    | 64.2    | 64.0    |
| Employed .....   | 10,896  | 11,055  | 11,198  | 11,420  | 11,552  | 11,515  | 11,529  | 11,741  | 11,839  | 11,901  | 11,934  | 11,987  | 11,932  |
| Employment-population ratio <sup>2</sup> .....               | 54.2    | 54.7    | 55.1    | 56.0    | 56.4    | 56.0    | 55.8    | 56.6    | 56.9    | 56.9    | 56.9    | 56.9    | 56.5    |
| Unemployed .....   | 1,814   | 1,772   | 1,686   | 1,663   | 1,618   | 1,610   | 1,567   | 1,506   | 1,505   | 1,539   | 1,519   | 1,527   | 1,603   |
| Unemployment rate .....                                      | 14.3    | 13.8    | 13.1    | 12.7    | 12.3    | 12.3    | 12.0    | 11.4    | 11.3    | 11.5    | 11.3    | 11.3    | 11.8    |
| <b>Men, 20 years and over</b>                                |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 5,963   | 5,973   | 6,012   | 6,055   | 6,051   | 6,108   | 6,121   | 6,112   | 6,162   | 6,205   | 6,201   | 6,215   | 6,242   |
| Percent of population .....                                  | 74.9    | 74.6    | 74.7    | 74.9    | 74.5    | 74.9    | 74.7    | 74.2    | 74.5    | 74.6    | 74.3    | 74.2    | 74.2    |
| Employed .....   | 5,197   | 5,278   | 5,324   | 5,393   | 5,432   | 5,462   | 5,490   | 5,526   | 5,559   | 5,582   | 5,602   | 5,605   | 5,583   |
| Employment-population ratio <sup>2</sup> .....               | 65.3    | 65.9    | 66.2    | 66.7    | 66.9    | 66.9    | 67.0    | 67.1    | 67.2    | 67.2    | 67.1    | 66.9    | 66.3    |
| Unemployed .....   | 766     | 695     | 688     | 662     | 619     | 646     | 631     | 586     | 603     | 623     | 599     | 610     | 659     |
| Unemployment rate .....                                      | 12.8    | 11.6    | 11.4    | 10.9    | 10.2    | 10.6    | 10.3    | 9.6     | 9.8     | 10.0    | 9.7     | 9.8     | 10.6    |
| <b>Women, 20 years and over</b>                              |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Civilian labor force .....                                   | 5,903   | 5,980   | 6,009   | 6,108   | 6,182   | 6,155   | 6,109   | 6,214   | 6,279   | 6,335   | 6,332   | 6,369   | 6,340   |
| Percent of population .....                                  | 58.9    | 59.4    | 59.5    | 60.2    | 60.7    | 60.1    | 59.5    | 60.2    | 60.6    | 60.8    | 60.5    | 60.6    | 60.1    |
| Employed .....   | 5,166   | 5,227   | 5,321   | 5,398   | 5,507   | 5,496   | 5,447   | 5,589   | 5,656   | 5,711   | 5,717   | 5,750   | 5,703   |
| Employment-population ratio <sup>2</sup> .....               | 51.6    | 52.0    | 52.7    | 53.2    | 54.0    | 53.7    | 53.0    | 54.2    | 54.6    | 54.8    | 54.7    | 54.7    | 54.1    |
| Unemployed .....   | 737     | 753     | 688     | 710     | 675     | 659     | 662     | 625     | 623     | 624     | 615     | 619     | 637     |
| Unemployment rate .....                                      | 12.5    | 12.6    | 11.4    | 11.6    | 10.9    | 10.7    | 10.8    | 10.1    | 9.9     | 9.8     | 9.7     | 9.7     | 10.0    |

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

| Employment status,<br>race, sex, age, and<br>Hispanic origin | 1986   | 1987   |        |        |        | 1988   |        |        |        | 1989   |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|  | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     |
| <b>BLACK—Continued</b>                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |
| <b>Both sexes, 16 to 19 years</b>                            |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian labor force .....                                   | 845    | 874    | 863    | 919    | 936    | 862    | 866    | 921    | 903    | 900    | 920    | 929    | 953    |
| Percent of population .....                                  | 39.4   | 40.7   | 40.0   | 42.4   | 43.1   | 39.6   | 39.7   | 42.2   | 41.4   | 41.4   | 42.3   | 42.6   | 43.9   |
| Employed .....   | 533    | 550    | 553    | 629    | 612    | 557    | 593    | 626    | 624    | 607    | 615    | 632    | 646    |
| Employment-population ratio <sup>2</sup> .....               | 24.9   | 25.6   | 25.6   | 29.0   | 28.2   | 25.6   | 27.2   | 28.7   | 28.6   | 27.9   | 28.3   | 29.0   | 29.8   |
| Unemployed .....   | 311    | 324    | 310    | 290    | 324    | 305    | 273    | 295    | 279    | 293    | 305    | 297    | 307    |
| Unemployment rate .....                                      | 36.9   | 37.1   | 35.9   | 31.6   | 34.6   | 35.4   | 31.6   | 32.0   | 30.9   | 32.5   | 33.1   | 32.0   | 32.2   |
| Men .....  | 37.3   | 35.9   | 35.9   | 33.0   | 33.4   | 37.1   | 30.5   | 32.1   | 32.0   | 32.4   | 34.6   | 29.0   | 31.5   |
| Women .....  | 36.4   | 38.4   | 36.0   | 30.0   | 35.9   | 33.7   | 32.8   | 32.0   | 29.7   | 32.6   | 31.5   | 35.2   | 33.0   |
| <b>HISPANIC ORIGIN</b>                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Civilian noninstitutional population <sup>1</sup> .....      | 12,504 | 12,692 | 12,809 | 12,926 | 13,043 | 13,153 | 13,268 | 13,382 | 13,495 | 13,606 | 13,731 | 13,853 | 13,977 |
| Civilian labor force .....                                   | 8,258  | 8,396  | 8,495  | 8,532  | 8,732  | 8,884  | 8,906  | 9,010  | 9,132  | 9,201  | 9,312  | 9,369  | 9,419  |
| Percent of population .....                                  | 66.0   | 66.1   | 66.3   | 66.0   | 67.0   | 67.5   | 67.1   | 67.3   | 67.7   | 67.6   | 67.8   | 67.6   | 67.4   |
| Employed .....   | 7,423  | 7,571  | 7,759  | 7,840  | 7,987  | 8,162  | 8,122  | 8,299  | 8,417  | 8,527  | 8,564  | 8,561  | 8,653  |
| Employment-population ratio <sup>2</sup> .....               | 59.4   | 59.7   | 60.6   | 60.7   | 61.2   | 62.1   | 61.2   | 62.0   | 62.4   | 62.7   | 62.4   | 61.8   | 61.9   |
| Unemployed .....   | 835    | 824    | 736    | 692    | 745    | 722    | 784    | 711    | 714    | 674    | 748    | 807    | 767    |
| Unemployment rate .....                                      | 10.1   | 9.8    | 8.7    | 8.1    | 8.5    | 8.1    | 8.8    | 7.9    | 7.8    | 7.3    | 8.0    | 8.6    | 8.1    |

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> 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. Seasonally adjusted data have been revised based on the experience through December 1989. See the article in this issue for additional information.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-45. Employed and unemployed full- and part-time workers by sex, and age, seasonally adjusted**

(In thousands)

| Full- and part-time status, sex,<br>and age | 1986   | 1987   |        |        |        | 1988   |        |        |        | 1989   |        |        |        |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|   | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     |
| <b>EMPLOYED</b>                             |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Full-time workers .....                     | 91,287 | 91,978 | 92,595 | 93,338 | 93,917 | 94,484 | 95,092 | 95,352 | 95,905 | 96,674 | 97,132 | 97,530 | 97,987 |
| Men, 16 years and over .....                | 54,970 | 55,378 | 55,528 | 55,891 | 56,202 | 56,437 | 56,838 | 56,917 | 57,081 | 57,518 | 57,799 | 58,022 | 58,142 |
| Men, 20 years and over .....                | 53,629 | 54,003 | 54,250 | 54,493 | 54,790 | 55,002 | 55,376 | 55,449 | 55,593 | 56,088 | 56,312 | 56,468 | 56,647 |
| Women, 16 years and over .....              | 36,355 | 36,605 | 37,047 | 37,461 | 37,723 | 38,005 | 38,275 | 38,469 | 38,843 | 39,108 | 39,333 | 39,576 | 39,868 |
| Women, 20 years and over .....              | 35,350 | 35,548 | 35,986 | 36,342 | 36,599 | 36,905 | 37,188 | 37,336 | 37,761 | 38,060 | 38,257 | 38,509 | 38,776 |
| Both sexes, 16 to 19 years .....            | 2,308  | 2,428  | 2,360  | 2,504  | 2,528  | 2,577  | 2,528  | 2,567  | 2,551  | 2,526  | 2,562  | 2,553  | 2,564  |
| Part-time workers .....                     | 19,197 | 19,217 | 19,574 | 19,493 | 19,660 | 19,627 | 19,512 | 19,833 | 20,056 | 20,147 | 20,080 | 19,883 | 19,824 |
| Men, 16 years and over .....                | 6,281  | 6,260  | 6,373  | 6,370  | 6,435  | 6,409  | 6,378  | 6,548  | 6,492  | 6,499  | 6,504  | 6,351  | 6,392  |
| Men, 20 years and over .....                | 4,287  | 4,283  | 4,343  | 4,358  | 4,397  | 4,408  | 4,346  | 4,490  | 4,476  | 4,493  | 4,533  | 4,384  | 4,405  |
| Women, 16 years and over .....              | 12,903 | 12,947 | 13,202 | 13,149 | 13,203 | 13,213 | 13,140 | 13,307 | 13,530 | 13,654 | 13,588 | 13,570 | 13,382 |
| Women, 20 years and over .....              | 10,751 | 10,840 | 10,997 | 10,930 | 11,056 | 11,027 | 10,932 | 11,058 | 11,322 | 11,410 | 11,370 | 11,348 | 11,231 |
| Both sexes, 16 to 19 years .....            | 4,159  | 4,093  | 4,234  | 4,205  | 4,207  | 4,192  | 4,235  | 4,286  | 4,258  | 4,245  | 4,177  | 4,152  | 4,189  |
| <b>UNEMPLOYED</b>                           |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Looking for full-time work .....            | 6,589  | 6,346  | 6,077  | 5,808  | 5,630  | 5,516  | 5,321  | 5,356  | 5,220  | 5,112  | 5,182  | 5,259  | 5,277  |
| Men, 16 years and over .....                | 3,874  | 3,766  | 3,627  | 3,418  | 3,260  | 3,152  | 3,116  | 3,135  | 3,053  | 2,908  | 2,964  | 3,024  | 3,050  |
| Men, 20 years and over .....                | 3,512  | 3,341  | 3,244  | 3,052  | 2,903  | 2,843  | 2,773  | 2,772  | 2,712  | 2,598  | 2,606  | 2,703  | 2,682  |
| Women, 16 years and over .....              | 2,698  | 2,595  | 2,461  | 2,385  | 2,388  | 2,323  | 2,222  | 2,222  | 2,194  | 2,142  | 2,239  | 2,237  | 2,248  |
| Women, 20 years and over .....              | 2,394  | 2,313  | 2,182  | 2,119  | 2,094  | 2,054  | 1,976  | 1,976  | 1,938  | 1,918  | 1,980  | 1,976  | 1,979  |
| Both sexes, 16 to 19 years .....            | 683    | 692    | 651    | 637    | 634    | 618    | 572    | 608    | 570    | 596    | 596    | 579    | 616    |
| Looking for part-time work .....            | 1,512  | 1,525  | 1,420  | 1,422  | 1,418  | 1,392  | 1,332  | 1,362  | 1,280  | 1,287  | 1,319  | 1,313  | 1,336  |
| Men, 16 years and over .....                | 618    | 605    | 588    | 574    | 556    | 559    | 527    | 554    | 516    | 522    | 529    | 519    | 544    |
| Men, 20 years and over .....                | 254    | 247    | 216    | 228    | 197    | 223    | 204    | 197    | 209    | 215    | 213    | 201    | 225    |
| Women, 16 years and over .....              | 902    | 922    | 831    | 845    | 866    | 837    | 806    | 806    | 770    | 767    | 787    | 794    | 795    |
| Women, 20 years and over .....              | 545    | 563    | 504    | 531    | 520    | 512    | 489    | 506    | 489    | 486    | 502    | 497    | 527    |
| Both sexes, 16 to 19 years .....            | 713    | 714    | 700    | 663    | 701    | 658    | 638    | 659    | 582    | 587    | 604    | 616    | 583    |

NOTE: Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time; unemployed persons are classified according to whether

they are seeking full- or part-time jobs. Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-46. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

| Category                                     | 1986    | 1987    |         |         |         | 1988    |         |         |         | 1989    |         |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      |
| <b>CHARACTERISTIC</b>                        |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total .....                                  | 110,485 | 111,206 | 112,161 | 112,849 | 113,548 | 114,098 | 114,651 | 115,214 | 115,933 | 116,815 | 117,253 | 117,468 | 117,770 |
| Married men, spouse present .....            | 39,921  | 39,986  | 40,065  | 40,342  | 40,678  | 40,395  | 40,403  | 40,552  | 40,550  | 40,883  | 40,938  | 40,813  | 40,922  |
| Married women, spouse present .....          | 27,510  | 27,784  | 28,190  | 28,222  | 28,266  | 28,567  | 28,637  | 28,815  | 29,030  | 29,474  | 29,557  | 29,428  | 29,669  |
| Women who maintain families .....            | 5,946   | 5,934   | 6,019   | 6,108   | 6,169   | 6,152   | 6,082   | 6,234   | 6,368   | 6,348   | 6,339   | 6,415   | 6,351   |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>    |         |         |         |         |         |         |         |         |         |         |         |         |         |
| <b>Agriculture:</b>                          |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Wage and salary workers .....                | 1,584   | 1,623   | 1,660   | 1,625   | 1,614   | 1,622   | 1,630   | 1,578   | 1,666   | 1,654   | 1,611   | 1,696   | 1,681   |
| Self-employed workers .....                  | 1,420   | 1,407   | 1,452   | 1,405   | 1,431   | 1,419   | 1,379   | 1,390   | 1,407   | 1,403   | 1,401   | 1,419   | 1,383   |
| Unpaid family workers .....                  | 176     | 144     | 163     | 148     | 155     | 134     | 156     | 146     | 156     | 153     | 126     | 131     | 124     |
| <b>Nonagricultural industries:</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Wage and salary workers .....                | 98,976  | 99,647  | 100,427 | 101,192 | 101,833 | 102,378 | 102,509 | 103,326 | 103,872 | 104,714 | 105,214 | 105,382 | 105,702 |
| Government .....                             | 16,338  | 16,513  | 16,761  | 16,902  | 17,013  | 16,981  | 17,062  | 17,094  | 17,302  | 17,347  | 17,300  | 17,558  | 17,668  |
| Private industries .....                     | 82,638  | 83,133  | 83,666  | 84,290  | 84,821  | 85,397  | 85,447  | 86,232  | 86,570  | 87,368  | 87,915  | 87,824  | 88,034  |
| Private households .....                     | 1,198   | 1,221   | 1,212   | 1,180   | 1,224   | 1,154   | 1,133   | 1,128   | 1,201   | 1,156   | 1,123   | 1,102   | 1,038   |
| Other industries .....                       | 81,440  | 81,912  | 82,454  | 83,110  | 83,596  | 84,243  | 84,315  | 85,104  | 85,369  | 86,212  | 86,792  | 86,722  | 86,996  |
| Self-employed workers .....                  | 8,070   | 8,164   | 8,155   | 8,219   | 8,259   | 8,317   | 8,654   | 8,548   | 8,551   | 8,618   | 8,598   | 8,601   | 8,597   |
| Unpaid family workers .....                  | 262     | 257     | 265     | 270     | 249     | 238     | 285     | 243     | 272     | 302     | 274     | 266     | 265     |
| <b>PERSONS AT WORK PART TIME<sup>1</sup></b> |         |         |         |         |         |         |         |         |         |         |         |         |         |
| <b>All industries:</b>                       |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Part time for economic reasons .....         | 5,632   | 5,512   | 5,331   | 5,354   | 5,421   | 5,352   | 5,120   | 5,211   | 5,125   | 5,016   | 4,966   | 4,813   | 4,791   |
| Slack work .....                             | 2,481   | 2,440   | 2,337   | 2,380   | 2,372   | 2,429   | 2,290   | 2,340   | 2,333   | 2,308   | 2,325   | 2,301   | 2,296   |
| Could only find part-time work .....         | 2,804   | 2,731   | 2,657   | 2,643   | 2,678   | 2,588   | 2,456   | 2,485   | 2,405   | 2,357   | 2,317   | 2,158   | 2,117   |
| Voluntary part time .....                    | 14,053  | 14,168  | 14,585  | 14,424  | 14,574  | 14,607  | 14,780  | 15,053  | 15,355  | 15,349  | 15,407  | 15,544  | 15,337  |
| <b>Nonagricultural industries:</b>           |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Part time for economic reasons .....         | 5,368   | 5,233   | 5,043   | 5,082   | 5,134   | 5,110   | 4,869   | 5,000   | 4,857   | 4,758   | 4,745   | 4,585   | 4,544   |
| Slack work .....                             | 2,328   | 2,252   | 2,153   | 2,198   | 2,193   | 2,274   | 2,146   | 2,190   | 2,179   | 2,131   | 2,173   | 2,153   | 2,136   |
| Could only find part-time work .....         | 2,708   | 2,641   | 2,564   | 2,578   | 2,585   | 2,497   | 2,358   | 2,441   | 2,318   | 2,283   | 2,251   | 2,092   | 2,056   |
| Voluntary part time .....                    | 13,613  | 13,707  | 14,084  | 13,971  | 14,113  | 14,147  | 14,306  | 14,627  | 14,893  | 14,909  | 14,989  | 15,095  | 14,908  |

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

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-47. Employed civilians by sex and age, seasonally adjusted**

(In thousands)

| Sex and age                           | 1986    | 1987    |         |         |         | 1988    |         |         |         | 1989    |         |         |         |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                       | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      | I       | II      | III     | IV      |
| <b>Total, 16 years and over</b> ..... | 110,485 | 111,206 | 112,161 | 112,849 | 113,548 | 114,098 | 114,651 | 115,214 | 115,933 | 116,815 | 117,253 | 117,468 | 117,770 |
| 16 to 24 years .....                  | 20,206  | 20,199  | 20,123  | 20,219  | 20,124  | 20,164  | 20,047  | 20,088  | 19,918  | 19,860  | 19,843  | 19,694  | 19,422  |
| 16 to 19 years .....                  | 6,480   | 6,522   | 6,592   | 6,722   | 6,718   | 6,748   | 6,801   | 6,878   | 6,795   | 6,753   | 6,767   | 6,741   | 6,736   |
| 16 to 17 years .....                  | 2,668   | 2,696   | 2,695   | 2,806   | 2,742   | 2,732   | 2,732   | 2,692   | 2,691   | 2,604   | 2,594   | 2,537   | 2,587   |
| 18 to 19 years .....                  | 3,826   | 3,835   | 3,898   | 3,900   | 3,983   | 4,014   | 4,071   | 4,176   | 4,106   | 4,157   | 4,164   | 4,206   | 4,148   |
| 20 to 24 years .....                  | 13,726  | 13,678  | 13,531  | 13,497  | 13,407  | 13,416  | 13,245  | 13,209  | 13,123  | 13,107  | 13,076  | 12,953  | 12,686  |
| 25 years and over .....               | 90,266  | 91,019  | 92,017  | 92,659  | 93,415  | 93,927  | 94,575  | 95,169  | 96,018  | 96,929  | 97,382  | 97,827  | 98,354  |
| 25 to 54 years .....                  | 75,976  | 76,618  | 77,558  | 78,163  | 78,749  | 79,330  | 79,995  | 80,591  | 81,245  | 82,052  | 82,464  | 83,018  | 83,530  |
| 55 years and over .....               | 14,289  | 14,380  | 14,458  | 14,529  | 14,658  | 14,575  | 14,573  | 14,601  | 14,767  | 14,857  | 14,911  | 14,840  | 14,817  |
| <b>Men, 16 years and over</b> .....   | 61,250  | 61,842  | 61,911  | 62,244  | 62,639  | 62,855  | 63,236  | 63,437  | 63,575  | 64,022  | 64,328  | 64,330  | 64,538  |
| 16 to 24 years .....                  | 10,543  | 10,496  | 10,386  | 10,479  | 10,409  | 10,405  | 10,446  | 10,448  | 10,348  | 10,347  | 10,328  | 10,212  | 10,154  |
| 16 to 19 years .....                  | 3,317   | 3,349   | 3,327   | 3,413   | 3,430   | 3,446   | 3,510   | 3,528   | 3,480   | 3,439   | 3,474   | 3,495   | 3,467   |
| 16 to 17 years .....                  | 1,361   | 1,386   | 1,371   | 1,412   | 1,398   | 1,411   | 1,406   | 1,401   | 1,391   | 1,318   | 1,319   | 1,313   | 1,331   |
| 18 to 19 years .....                  | 1,972   | 1,972   | 1,951   | 1,983   | 2,045   | 2,036   | 2,099   | 2,117   | 2,102   | 2,135   | 2,142   | 2,181   | 2,142   |
| 20 to 24 years .....                  | 7,226   | 7,147   | 7,059   | 7,066   | 6,979   | 6,959   | 6,935   | 6,920   | 6,867   | 6,908   | 6,854   | 6,717   | 6,687   |
| 25 years and over .....               | 50,707  | 51,153  | 51,510  | 51,781  | 52,230  | 52,443  | 52,773  | 53,014  | 53,229  | 53,660  | 53,986  | 54,149  | 54,386  |
| 25 to 54 years .....                  | 42,292  | 42,660  | 42,979  | 43,283  | 43,625  | 43,935  | 44,248  | 44,508  | 44,752  | 45,107  | 45,384  | 45,669  | 45,938  |
| 55 years and over .....               | 8,421   | 8,493   | 8,520   | 8,508   | 8,609   | 8,510   | 8,503   | 8,516   | 8,483   | 8,559   | 8,575   | 8,495   | 8,454   |
| <b>Women, 16 years and over</b> ..... | 49,235  | 49,564  | 50,250  | 50,605  | 50,909  | 51,243  | 51,415  | 51,777  | 52,359  | 52,793  | 52,924  | 53,138  | 53,232  |
| 16 to 24 years .....                  | 9,663   | 9,703   | 9,737   | 9,739   | 9,715   | 9,759   | 9,601   | 9,639   | 9,570   | 9,513   | 9,515   | 9,482   | 9,268   |
| 16 to 19 years .....                  | 3,163   | 3,172   | 3,265   | 3,308   | 3,288   | 3,302   | 3,291   | 3,350   | 3,315   | 3,313   | 3,292   | 3,246   | 3,270   |
| 16 to 17 years .....                  | 1,307   | 1,310   | 1,324   | 1,394   | 1,344   | 1,321   | 1,326   | 1,291   | 1,300   | 1,286   | 1,276   | 1,223   | 1,256   |
| 18 to 19 years .....                  | 1,854   | 1,863   | 1,948   | 1,917   | 1,938   | 1,977   | 1,972   | 2,058   | 2,004   | 2,022   | 2,022   | 2,025   | 2,005   |
| 20 to 24 years .....                  | 6,500   | 6,531   | 6,472   | 6,431   | 6,428   | 6,457   | 6,310   | 6,289   | 6,255   | 6,199   | 6,222   | 6,236   | 5,999   |
| 25 years and over .....               | 39,559  | 39,866  | 40,507  | 40,878  | 41,185  | 41,484  | 41,802  | 42,154  | 42,789  | 43,269  | 43,396  | 43,678  | 43,968  |
| 25 to 54 years .....                  | 33,683  | 33,958  | 34,579  | 34,880  | 35,124  | 35,395  | 35,747  | 36,083  | 36,493  | 36,945  | 37,080  | 37,349  | 37,592  |
| 55 years and over .....               | 5,868   | 5,887   | 5,938   | 6,020   | 6,049   | 6,065   | 6,070   | 6,086   | 6,284   | 6,298   | 6,336   | 6,345   | 6,363   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-48. Unemployed persons by sex and age, seasonally adjusted**

(In thousands)

| Sex and age                           | 1986  | 1987  |       |       |       | 1988  |       |       |       | 1989  |       |       |       |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                       | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    |
| <b>Total, 16 years and over</b> ..... | 8,097 | 7,860 | 7,514 | 7,231 | 7,048 | 6,900 | 6,664 | 6,712 | 6,508 | 6,394 | 6,506 | 6,567 | 6,624 |
| 16 to 24 years .....                  | 3,007 | 2,997 | 2,850 | 2,715 | 2,624 | 2,604 | 2,468 | 2,479 | 2,393 | 2,390 | 2,388 | 2,427 | 2,443 |
| 16 to 19 years .....                  | 1,400 | 1,409 | 1,349 | 1,295 | 1,339 | 1,281 | 1,207 | 1,260 | 1,157 | 1,190 | 1,194 | 1,188 | 1,203 |
| 16 to 17 years .....                  | 647   | 666   | 673   | 603   | 649   | 591   | 562   | 606   | 531   | 536   | 517   | 536   | 547   |
| 18 to 19 years .....                  | 751   | 742   | 686   | 687   | 686   | 689   | 655   | 649   | 621   | 650   | 688   | 648   | 652   |
| 20 to 24 years .....                  | 1,606 | 1,589 | 1,501 | 1,420 | 1,284 | 1,322 | 1,261 | 1,219 | 1,236 | 1,200 | 1,194 | 1,240 | 1,240 |
| 25 years and over .....               | 5,089 | 4,883 | 4,636 | 4,514 | 4,423 | 4,318 | 4,172 | 4,225 | 4,123 | 4,027 | 4,091 | 4,124 | 4,191 |
| 25 to 54 years .....                  | 4,518 | 4,408 | 4,147 | 4,013 | 3,925 | 3,841 | 3,718 | 3,750 | 3,678 | 3,585 | 3,638 | 3,633 | 3,695 |
| 55 years and over .....               | 558   | 484   | 507   | 486   | 487   | 486   | 470   | 456   | 433   | 447   | 471   | 473   | 485   |
| <b>Men, 16 years and over</b> .....   | 4,505 | 4,341 | 4,218 | 3,993 | 3,808 | 3,736 | 3,640 | 3,675 | 3,557 | 3,477 | 3,486 | 3,530 | 3,586 |
| 16 to 24 years .....                  | 1,615 | 1,615 | 1,557 | 1,462 | 1,393 | 1,399 | 1,321 | 1,352 | 1,296 | 1,309 | 1,284 | 1,318 | 1,363 |
| 16 to 19 years .....                  | 737   | 765   | 746   | 711   | 707   | 682   | 652   | 704   | 633   | 677   | 658   | 624   | 672   |
| 16 to 17 years .....                  | 337   | 359   | 372   | 330   | 350   | 315   | 298   | 328   | 303   | 297   | 301   | 295   | 313   |
| 18 to 19 years .....                  | 400   | 408   | 379   | 375   | 356   | 370   | 357   | 370   | 330   | 382   | 359   | 325   | 360   |
| 20 to 24 years .....                  | 878   | 850   | 811   | 751   | 686   | 717   | 669   | 648   | 663   | 632   | 626   | 694   | 691   |
| 25 years and over .....               | 2,891 | 2,744 | 2,639 | 2,526 | 2,418 | 2,358 | 2,297 | 2,312 | 2,271 | 2,192 | 2,173 | 2,196 | 2,237 |
| 25 to 54 years .....                  | 2,520 | 2,453 | 2,321 | 2,206 | 2,120 | 2,064 | 2,009 | 2,015 | 1,993 | 1,933 | 1,905 | 1,886 | 1,934 |
| 55 years and over .....               | 362   | 304   | 326   | 305   | 292   | 307   | 292   | 279   | 274   | 267   | 274   | 294   | 299   |
| <b>Women, 16 years and over</b> ..... | 3,592 | 3,519 | 3,296 | 3,238 | 3,240 | 3,165 | 3,024 | 3,037 | 2,951 | 2,918 | 3,020 | 3,037 | 3,038 |
| 16 to 24 years .....                  | 1,392 | 1,382 | 1,294 | 1,253 | 1,231 | 1,205 | 1,147 | 1,127 | 1,098 | 1,082 | 1,104 | 1,109 | 1,079 |
| 16 to 19 years .....                  | 663   | 644   | 603   | 584   | 632   | 600   | 554   | 556   | 524   | 513   | 536   | 564   | 531   |
| 16 to 17 years .....                  | 310   | 307   | 301   | 273   | 299   | 276   | 264   | 278   | 229   | 240   | 217   | 241   | 234   |
| 18 to 19 years .....                  | 351   | 334   | 307   | 312   | 330   | 319   | 297   | 280   | 291   | 268   | 329   | 324   | 291   |
| 20 to 24 years .....                  | 729   | 738   | 690   | 669   | 599   | 605   | 592   | 570   | 574   | 569   | 568   | 546   | 548   |
| 25 years and over .....               | 2,198 | 2,139 | 1,997 | 1,989 | 2,005 | 1,960 | 1,875 | 1,913 | 1,852 | 1,835 | 1,918 | 1,928 | 1,955 |
| 25 to 54 years .....                  | 1,998 | 1,956 | 1,825 | 1,807 | 1,805 | 1,777 | 1,710 | 1,735 | 1,685 | 1,652 | 1,733 | 1,747 | 1,760 |
| 55 years and over .....               | 197   | 179   | 181   | 181   | 195   | 179   | 178   | 176   | 159   | 180   | 197   | 179   | 186   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-49. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

| Sex and age                    | 1986 | 1987 |      |      |      | 1988 |      |      |      | 1989 |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                | IV   | I    | II   | III  | IV   | I    | II   | III  | IV   | I    | II   | III  | IV   |
| Total, 16 years and over ..... | 6.8  | 6.6  | 6.3  | 6.0  | 5.8  | 5.7  | 5.5  | 5.5  | 5.3  | 5.2  | 5.3  | 5.3  | 5.3  |
| 16 to 24 years .....           | 13.0 | 12.9 | 12.4 | 11.8 | 11.5 | 11.4 | 11.0 | 11.0 | 10.7 | 10.7 | 10.7 | 11.0 | 11.2 |
| 16 to 19 years .....           | 17.8 | 17.8 | 17.0 | 16.2 | 16.6 | 16.0 | 15.1 | 15.5 | 14.5 | 15.0 | 15.0 | 15.0 | 15.2 |
| 16 to 17 years .....           | 19.5 | 19.8 | 20.0 | 17.7 | 19.1 | 17.8 | 17.1 | 18.4 | 16.5 | 17.1 | 16.6 | 17.5 | 17.5 |
| 18 to 19 years .....           | 16.4 | 16.2 | 15.0 | 15.0 | 14.7 | 14.6 | 13.9 | 13.5 | 13.1 | 13.5 | 14.2 | 13.4 | 13.6 |
| 20 to 24 years .....           | 10.5 | 10.4 | 10.0 | 9.5  | 8.7  | 9.0  | 8.7  | 8.4  | 8.6  | 8.4  | 8.4  | 8.7  | 8.9  |
| 25 years and over .....        | 5.3  | 5.1  | 4.8  | 4.6  | 4.5  | 4.4  | 4.2  | 4.3  | 4.1  | 4.0  | 4.0  | 4.0  | 4.1  |
| 25 to 54 years .....           | 5.6  | 5.4  | 5.1  | 4.9  | 4.7  | 4.6  | 4.4  | 4.4  | 4.3  | 4.2  | 4.2  | 4.2  | 4.2  |
| 55 years and over .....        | 3.8  | 3.3  | 3.4  | 3.2  | 3.2  | 3.2  | 3.1  | 3.0  | 2.9  | 2.9  | 3.1  | 3.1  | 3.2  |
| Men, 16 years and over .....   | 6.9  | 6.6  | 6.4  | 6.0  | 5.7  | 5.6  | 5.4  | 5.5  | 5.3  | 5.2  | 5.1  | 5.2  | 5.3  |
| 16 to 24 years .....           | 13.3 | 13.3 | 13.0 | 12.2 | 11.8 | 11.9 | 11.2 | 11.5 | 11.1 | 11.2 | 11.1 | 11.4 | 11.8 |
| 16 to 19 years .....           | 18.2 | 18.6 | 18.3 | 17.2 | 17.1 | 16.5 | 15.7 | 16.6 | 15.4 | 16.4 | 15.9 | 15.1 | 16.2 |
| 16 to 17 years .....           | 19.8 | 20.6 | 21.3 | 18.9 | 20.0 | 18.2 | 17.5 | 19.0 | 17.9 | 18.4 | 18.6 | 18.3 | 19.0 |
| 18 to 19 years .....           | 16.8 | 17.2 | 16.3 | 15.9 | 14.8 | 15.4 | 14.5 | 14.9 | 13.6 | 15.2 | 14.4 | 13.0 | 14.4 |
| 20 to 24 years .....           | 10.8 | 10.6 | 10.3 | 9.6  | 8.9  | 9.3  | 8.8  | 8.6  | 8.8  | 8.4  | 8.4  | 9.4  | 9.4  |
| 25 years and over .....        | 5.4  | 5.1  | 4.9  | 4.7  | 4.4  | 4.3  | 4.2  | 4.2  | 4.1  | 3.9  | 3.9  | 3.9  | 4.0  |
| 25 to 54 years .....           | 5.6  | 5.4  | 5.1  | 4.8  | 4.6  | 4.5  | 4.3  | 4.3  | 4.3  | 4.1  | 4.0  | 4.0  | 4.0  |
| 55 years and over .....        | 4.1  | 3.5  | 3.7  | 3.5  | 3.3  | 3.5  | 3.3  | 3.2  | 3.1  | 3.0  | 3.1  | 3.3  | 3.4  |
| Women, 16 years and over ..... | 6.8  | 6.6  | 6.2  | 6.0  | 6.0  | 5.8  | 5.6  | 5.5  | 5.3  | 5.2  | 5.4  | 5.4  | 5.4  |
| 16 to 24 years .....           | 12.6 | 12.5 | 11.7 | 11.4 | 11.2 | 11.0 | 10.7 | 10.5 | 10.3 | 10.2 | 10.4 | 10.5 | 10.4 |
| 16 to 19 years .....           | 17.3 | 16.9 | 15.6 | 15.0 | 16.1 | 15.4 | 14.4 | 14.2 | 13.7 | 13.4 | 14.0 | 14.8 | 14.0 |
| 16 to 17 years .....           | 19.2 | 19.0 | 18.5 | 16.4 | 18.2 | 17.3 | 16.6 | 17.7 | 15.0 | 15.7 | 14.5 | 16.5 | 15.7 |
| 18 to 19 years .....           | 15.9 | 15.2 | 13.6 | 14.0 | 14.5 | 13.9 | 13.1 | 12.0 | 12.7 | 11.7 | 14.0 | 13.8 | 12.7 |
| 20 to 24 years .....           | 10.1 | 10.2 | 9.6  | 9.4  | 8.5  | 8.6  | 8.6  | 8.3  | 8.4  | 8.4  | 8.4  | 8.0  | 8.4  |
| 25 years and over .....        | 5.3  | 5.1  | 4.7  | 4.6  | 4.6  | 4.5  | 4.3  | 4.3  | 4.1  | 4.1  | 4.2  | 4.2  | 4.3  |
| 25 to 54 years .....           | 5.6  | 5.4  | 5.0  | 4.9  | 4.9  | 4.8  | 4.6  | 4.6  | 4.4  | 4.3  | 4.5  | 4.5  | 4.5  |
| 55 years and over .....        | 3.2  | 3.0  | 3.0  | 2.9  | 3.1  | 2.9  | 2.8  | 2.8  | 2.5  | 2.8  | 3.0  | 2.7  | 2.8  |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-50. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

| Category  | 1986 | 1987 |      |      |      | 1988 |      |      |      | 1989 |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
|   | IV   | I    | II   | III  | IV   | I    | II   | III  | IV   | I    | II   | III  | IV   |
| <b>CHARACTERISTIC</b>                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Total (all civilian workers) .....                    | 6.8  | 6.6  | 6.3  | 6.0  | 5.8  | 5.7  | 5.5  | 5.5  | 5.3  | 5.2  | 5.3  | 5.3  | 5.3  |
| Men, 20 years and over .....                          | 6.1  | 5.8  | 5.6  | 5.3  | 5.0  | 4.9  | 4.8  | 4.7  | 4.6  | 4.4  | 4.4  | 4.6  | 4.6  |
| Women, 20 years and over .....                        | 6.0  | 5.8  | 5.4  | 5.3  | 5.2  | 5.1  | 4.9  | 4.9  | 4.7  | 4.6  | 4.8  | 4.7  | 4.8  |
| Both sexes, 16 to 19 years .....                      | 17.8 | 17.8 | 17.0 | 16.2 | 16.6 | 16.0 | 15.1 | 15.5 | 14.5 | 15.0 | 15.0 | 15.0 | 15.2 |
| White .....   | 5.9  | 5.7  | 5.4  | 5.1  | 5.0  | 4.9  | 4.7  | 4.8  | 4.6  | 4.4  | 4.5  | 4.5  | 4.5  |
| Black and other .....                                 | 12.7 | 12.3 | 11.7 | 11.4 | 11.0 | 11.0 | 10.6 | 10.0 | 9.9  | 10.2 | 9.8  | 9.8  | 10.3 |
| Black .....   | 14.3 | 13.8 | 13.1 | 12.7 | 12.3 | 12.3 | 12.0 | 11.4 | 11.3 | 11.5 | 11.3 | 11.3 | 11.8 |
| Hispanic origin .....                                 | 10.1 | 9.8  | 8.7  | 8.1  | 8.5  | 8.1  | 8.8  | 7.9  | 7.8  | 7.3  | 8.0  | 8.6  | 8.1  |
| Married men, spouse present .....                     | 4.4  | 4.1  | 4.1  | 3.8  | 3.5  | 3.4  | 3.2  | 3.2  | 3.1  | 3.0  | 3.0  | 3.1  | 3.0  |
| Married women, spouse present .....                   | 4.9  | 4.6  | 4.3  | 4.2  | 4.2  | 4.1  | 3.8  | 3.9  | 3.7  | 3.5  | 3.9  | 3.8  | 3.9  |
| Women who maintain families .....                     | 9.6  | 9.7  | 9.5  | 9.1  | 8.6  | 8.2  | 8.3  | 8.0  | 7.9  | 8.0  | 8.0  | 8.1  | 8.0  |
| Full-time workers .....                               | 6.5  | 6.2  | 5.9  | 5.6  | 5.5  | 5.3  | 5.1  | 5.1  | 5.0  | 4.9  | 4.9  | 5.0  | 5.0  |
| Part-time workers .....                               | 9.0  | 9.0  | 8.2  | 8.2  | 8.2  | 8.0  | 7.6  | 7.7  | 7.1  | 7.1  | 7.3  | 7.2  | 7.4  |
| Unemployed 15 weeks and over <sup>1</sup> .....       | 1.8  | 1.8  | 1.7  | 1.6  | 1.5  | 1.4  | 1.3  | 1.3  | 1.2  | 1.1  | 1.1  | 1.1  | 1.1  |
| Labor force time lost <sup>2</sup> .....              | 7.7  | 7.5  | 7.2  | 6.9  | 6.7  | 6.6  | 6.3  | 6.4  | 6.2  | 6.0  | 6.0  | 6.0  | 5.9  |
| <b>INDUSTRY</b>                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Nonagricultural private wage and salary workers ..... | 6.9  | 6.6  | 6.3  | 6.0  | 5.8  | 5.7  | 5.5  | 5.5  | 5.4  | 5.3  | 5.3  | 5.4  | 5.4  |
| Goods-producing industries .....                      | 8.9  | 8.1  | 7.5  | 7.0  | 6.6  | 6.8  | 6.4  | 6.5  | 6.4  | 6.1  | 6.0  | 6.3  | 6.3  |
| Mining .....  | 14.4 | 12.2 | 11.1 | 8.2  | 7.5  | 7.8  | 8.4  | 7.1  | 8.1  | 6.9  | 4.8  | 6.8  | 5.2  |
| Construction .....                                    | 14.1 | 12.1 | 12.0 | 11.4 | 10.9 | 11.2 | 10.6 | 10.1 | 10.4 | 10.0 | 9.8  | 10.2 | 9.6  |
| Manufacturing .....                                   | 7.1  | 6.7  | 6.1  | 5.7  | 5.4  | 5.4  | 5.2  | 5.4  | 5.1  | 5.0  | 5.0  | 5.2  | 5.4  |
| Durable goods .....                                   | 6.9  | 6.5  | 6.0  | 5.7  | 5.0  | 5.4  | 4.8  | 5.1  | 4.9  | 4.7  | 4.6  | 4.8  | 5.3  |
| Nondurable goods .....                                | 7.5  | 7.0  | 6.3  | 5.8  | 6.0  | 5.6  | 5.7  | 5.8  | 5.5  | 5.4  | 5.5  | 5.6  | 5.6  |
| Service-producing industries .....                    | 5.9  | 5.9  | 5.7  | 5.5  | 5.3  | 5.2  | 5.0  | 5.0  | 5.0  | 4.9  | 5.0  | 5.0  | 4.9  |
| Transportation and public utilities .....             | 4.7  | 4.5  | 4.5  | 4.3  | 4.5  | 3.9  | 4.0  | 3.7  | 3.9  | 3.9  | 4.0  | 4.1  | 3.6  |
| Wholesale and retail trade .....                      | 7.3  | 7.3  | 7.1  | 6.7  | 6.4  | 6.5  | 6.1  | 6.2  | 6.0  | 5.9  | 5.8  | 6.0  | 6.2  |
| Finance and service industries .....                  | 5.2  | 5.2  | 4.9  | 4.9  | 4.7  | 4.6  | 4.5  | 4.4  | 4.4  | 4.4  | 4.5  | 4.4  | 4.3  |
| Government workers .....                              | 3.6  | 3.6  | 3.4  | 3.4  | 3.3  | 3.0  | 2.9  | 2.9  | 2.6  | 2.7  | 2.8  | 2.8  | 2.7  |
| Agricultural wage and salary workers .....            | 11.2 | 11.2 | 8.9  | 10.2 | 11.3 | 11.1 | 10.6 | 11.2 | 9.5  | 9.2  | 10.0 | 8.6  | 10.6 |

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

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force

hours.

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-51. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

| Weeks of unemployment                   | 1986  | 1987  |       |       |       | 1988  |       |       |       | 1989  |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    |
| <b>DURATION</b>                         |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Less than 5 weeks .....                 | 3,361 | 3,369 | 3,212 | 3,206 | 3,204 | 3,074 | 3,092 | 3,104 | 3,066 | 3,141 | 3,154 | 3,150 | 3,242 |
| 5 to 14 weeks .....                     | 2,550 | 2,402 | 2,176 | 2,108 | 2,067 | 2,116 | 1,971 | 1,973 | 1,945 | 1,914 | 2,002 | 1,999 | 2,000 |
| 15 weeks and over .....                 | 2,191 | 2,112 | 2,090 | 1,900 | 1,787 | 1,722 | 1,586 | 1,617 | 1,497 | 1,378 | 1,339 | 1,386 | 1,387 |
| 15 to 26 weeks .....                    | 1,013 | 987   | 1,004 | 889   | 862   | 853   | 767   | 810   | 766   | 698   | 687   | 789   | 746   |
| 27 weeks and over .....                 | 1,178 | 1,125 | 1,085 | 1,010 | 925   | 869   | 819   | 807   | 731   | 680   | 652   | 597   | 641   |
| Average (mean) duration, in weeks ..... | 15.0  | 14.8  | 14.9  | 14.3  | 14.1  | 14.1  | 13.5  | 13.5  | 12.9  | 12.4  | 11.9  | 11.6  | 11.6  |
| Median duration, in weeks .....         | 7.1   | 6.7   | 6.7   | 6.3   | 6.1   | 6.4   | 5.8   | 5.9   | 5.6   | 5.5   | 5.4   | 5.1   | 4.9   |
| <b>PERCENT DISTRIBUTION</b>             |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Total unemployed .....                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Less than 5 weeks .....                 | 41.5  | 42.7  | 43.0  | 44.4  | 45.4  | 44.5  | 46.5  | 46.4  | 47.1  | 48.8  | 48.6  | 48.2  | 48.9  |
| 5 to 14 weeks .....                     | 31.5  | 30.5  | 29.1  | 29.2  | 29.3  | 30.6  | 29.6  | 29.5  | 29.9  | 29.7  | 30.8  | 30.6  | 30.2  |
| 15 weeks and over .....                 | 27.0  | 26.8  | 27.9  | 26.3  | 25.3  | 24.9  | 23.9  | 24.2  | 23.0  | 21.4  | 20.6  | 21.2  | 20.9  |
| 15 to 26 weeks .....                    | 12.5  | 12.5  | 13.4  | 12.3  | 12.2  | 12.3  | 11.5  | 12.1  | 11.8  | 10.8  | 10.6  | 12.1  | 11.3  |
| 27 weeks and over .....                 | 14.5  | 14.3  | 14.5  | 14.0  | 13.1  | 12.6  | 12.3  | 12.1  | 11.2  | 10.6  | 10.0  | 9.1   | 9.7   |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**A-52. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

| Reasons for unemployment                                   | 1986  | 1987  |       |       |       | 1988  |       |       |       | 1989  |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    | I     | II    | III   | IV    |
| <b>NUMBER OF UNEMPLOYED</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 3,948 | 3,843 | 3,654 | 3,404 | 3,303 | 3,163 | 3,106 | 3,089 | 2,999 | 2,940 | 2,850 | 2,937 | 3,056 |
| On layoff .....  | 1,066 | 1,017 | 947   | 875   | 898   | 876   | 838   | 860   | 826   | 801   | 817   | 849   | 902   |
| Other job losers .....                                     | 2,882 | 2,826 | 2,707 | 2,529 | 2,405 | 2,287 | 2,268 | 2,229 | 2,173 | 2,139 | 2,033 | 2,089 | 2,154 |
| Job leavers .....  | 1,039 | 966   | 953   | 990   | 951   | 1,024 | 960   | 963   | 985   | 952   | 1,036 | 1,027 | 1,033 |
| Reentrants .....   | 2,110 | 2,074 | 1,985 | 1,915 | 1,925 | 1,890 | 1,768 | 1,817 | 1,760 | 1,789 | 1,909 | 1,864 | 1,863 |
| New entrants .....   | 1,000 | 991   | 925   | 878   | 887   | 861   | 838   | 794   | 773   | 746   | 705   | 671   | 689   |
| <b>PERCENT DISTRIBUTION</b>                                |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Total unemployed .....                                     | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Job losers .....   | 48.8  | 48.8  | 48.6  | 47.4  | 46.7  | 45.6  | 46.5  | 46.4  | 46.0  | 45.7  | 43.8  | 45.2  | 46.0  |
| On layoff .....  | 13.2  | 12.9  | 12.6  | 12.2  | 12.7  | 12.6  | 12.6  | 12.9  | 12.7  | 12.5  | 12.6  | 13.1  | 13.6  |
| Other job losers .....                                     | 35.6  | 35.9  | 36.0  | 35.2  | 34.0  | 33.0  | 34.0  | 33.5  | 33.3  | 33.3  | 31.3  | 32.1  | 32.4  |
| Job leavers .....  | 12.8  | 12.3  | 12.7  | 13.8  | 13.5  | 14.8  | 14.4  | 14.4  | 15.1  | 14.8  | 15.9  | 15.8  | 15.6  |
| Reentrants .....   | 26.1  | 26.3  | 26.4  | 26.6  | 27.2  | 27.2  | 26.5  | 27.3  | 27.0  | 27.8  | 29.4  | 28.7  | 28.1  |
| New entrants .....   | 12.3  | 12.6  | 12.3  | 12.2  | 12.6  | 12.4  | 12.6  | 11.9  | 11.9  | 11.6  | 10.8  | 10.3  | 10.4  |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Job losers .....   | 3.3   | 3.2   | 3.1   | 2.8   | 2.7   | 2.6   | 2.6   | 2.5   | 2.4   | 2.4   | 2.3   | 2.4   | 2.5   |
| Job leavers .....  | .9    | .8    | .8    | .8    | .8    | .8    | .8    | .8    | .8    | .8    | .8    | .8    | .8    |
| Reentrants .....   | 1.8   | 1.7   | 1.7   | 1.6   | 1.6   | 1.6   | 1.5   | 1.5   | 1.4   | 1.5   | 1.5   | 1.5   | 1.5   |
| New entrants .....   | .8    | .8    | .8    | .7    | .7    | .7    | .7    | .7    | .6    | .6    | .6    | .5    | .6    |

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-53. Persons not in the labor force by reason, sex, and race, seasonally adjusted**

(In thousands)

| Reason, sex, and race            | 1986   | 1987   |        |        |        | 1988   |        |        |        | 1989   |        |        |        |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     | I      | II     | III    | IV     |
| <b>TOTAL</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total not in labor force .....   | 62,782 | 62,937 | 62,852 | 62,936 | 62,870 | 62,969 | 63,074 | 62,914 | 62,811 | 62,564 | 62,419 | 62,567 | 62,624 |
| Do not want a job now .....      | 56,995 | 57,022 | 57,040 | 57,248 | 57,375 | 57,425 | 57,616 | 58,048 | 57,506 | 57,232 | 57,007 | 57,626 | 57,577 |
| Current activity:                |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Going to school .....            | 6,358  | 6,433  | 6,384  | 6,182  | 6,472  | 6,356  | 6,317  | 6,799  | 6,289  | 6,367  | 6,278  | 6,995  | 6,229  |
| Ill, disabled .....              | 3,893  | 4,169  | 4,205  | 4,428  | 4,373  | 4,323  | 4,477  | 4,451  | 4,688  | 4,567  | 4,774  | 4,671  | 4,767  |
| Keeping house .....              | 26,061 | 26,167 | 25,569 | 25,604 | 25,564 | 25,254 | 25,370 | 25,368 | 24,573 | 24,507 | 24,096 | 24,031 | 23,886 |
| Retired .....                    | 16,030 | 15,877 | 16,263 | 16,320 | 16,465 | 16,885 | 16,792 | 16,803 | 17,256 | 17,194 | 17,387 | 17,673 | 18,270 |
| Other activity .....             | 4,653  | 4,376  | 4,619  | 4,715  | 4,502  | 4,607  | 4,660  | 4,627  | 4,700  | 4,597  | 4,472  | 4,256  | 4,425  |
| Want a job now .....             | 5,851  | 5,781  | 5,900  | 5,753  | 5,466  | 5,492  | 5,340  | 5,230  | 5,439  | 5,303  | 5,323  | 5,463  | 5,176  |
| Reason not looking:              |        |        |        |        |        |        |        |        |        |        |        |        |        |
| School attendance .....          | 1,410  | 1,370  | 1,497  | 1,488  | 1,363  | 1,337  | 1,301  | 1,349  | 1,408  | 1,291  | 1,286  | 1,447  | 1,246  |
| Ill health, disability .....     | 782    | 847    | 890    | 838    | 880    | 834    | 815    | 796    | 782    | 887    | 932    | 888    | 907    |
| Home responsibilities .....      | 1,355  | 1,237  | 1,331  | 1,268  | 1,233  | 1,190  | 1,215  | 1,129  | 1,140  | 1,176  | 1,154  | 1,175  | 1,251  |
| Think cannot get a job .....     | 1,149  | 1,112  | 1,052  | 1,025  | 911    | 998    | 911    | 944    | 954    | 851    | 865    | 817    | 827    |
| Job-market factors .....         | 815    | 742    | 706    | 656    | 573    | 677    | 603    | 606    | 587    | 563    | 523    | 518    | 563    |
| Personal factors .....           | 333    | 370    | 346    | 369    | 338    | 320    | 308    | 338    | 367    | 289    | 343    | 299    | 263    |
| Other reasons <sup>1</sup> ..... | 1,155  | 1,215  | 1,131  | 1,133  | 1,080  | 1,133  | 1,098  | 1,012  | 1,154  | 1,097  | 1,085  | 1,136  | 945    |
| <b>Men</b>                       |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total not in labor force .....   | 20,428 | 20,535 | 20,662 | 20,797 | 20,808 | 20,930 | 20,868 | 20,870 | 21,049 | 20,950 | 20,840 | 21,009 | 20,953 |
| Do not want a job now .....      | 18,428 | 18,461 | 18,625 | 18,836 | 18,884 | 18,971 | 18,892 | 19,036 | 19,087 | 19,027 | 18,941 | 19,169 | 19,221 |
| Want a job now .....             | 2,002  | 2,006  | 2,077  | 2,028  | 1,911  | 1,977  | 1,893  | 1,900  | 2,005  | 1,946  | 1,913  | 2,015  | 1,765  |
| Reason not looking:              |        |        |        |        |        |        |        |        |        |        |        |        |        |
| School attendance .....          | 658    | 691    | 758    | 731    | 707    | 674    | 677    | 657    | 701    | 656    | 634    | 735    | 583    |
| Ill health, disability .....     | 371    | 416    | 449    | 401    | 438    | 408    | 354    | 372    | 373    | 412    | 448    | 476    | 431    |
| Think cannot get a job .....     | 500    | 454    | 432    | 451    | 365    | 439    | 407    | 455    | 455    | 405    | 401    | 349    | 377    |
| Other reasons <sup>1</sup> ..... | 473    | 444    | 438    | 444    | 401    | 456    | 455    | 416    | 476    | 473    | 430    | 455    | 374    |
| <b>Women</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total not in labor force .....   | 42,356 | 42,401 | 42,190 | 42,140 | 42,062 | 42,040 | 42,205 | 42,045 | 41,762 | 41,614 | 41,579 | 41,559 | 41,670 |
| Do not want a job now .....      | 38,566 | 38,561 | 38,415 | 38,412 | 38,491 | 38,454 | 38,724 | 39,012 | 38,419 | 38,205 | 38,066 | 38,456 | 38,356 |
| Want a job now .....             | 3,848  | 3,775  | 3,822  | 3,725  | 3,555  | 3,515  | 3,447  | 3,329  | 3,434  | 3,357  | 3,410  | 3,448  | 3,411  |
| Reason not looking:              |        |        |        |        |        |        |        |        |        |        |        |        |        |
| School attendance .....          | 751    | 679    | 738    | 757    | 656    | 663    | 624    | 692    | 707    | 636    | 652    | 712    | 663    |
| Ill health, disability .....     | 412    | 430    | 440    | 437    | 442    | 426    | 461    | 424    | 409    | 475    | 484    | 412    | 476    |
| Home responsibilities .....      | 1,355  | 1,237  | 1,331  | 1,268  | 1,233  | 1,190  | 1,215  | 1,129  | 1,140  | 1,176  | 1,154  | 1,175  | 1,251  |
| Think cannot get a job .....     | 648    | 658    | 620    | 574    | 546    | 559    | 505    | 488    | 500    | 447    | 464    | 468    | 450    |
| Other reasons .....              | 682    | 771    | 693    | 689    | 678    | 677    | 643    | 596    | 678    | 624    | 655    | 681    | 571    |
| <b>White</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total not in labor force .....   | 53,536 | 53,727 | 53,613 | 53,728 | 53,643 | 53,565 | 53,531 | 53,401 | 53,267 | 53,049 | 52,920 | 53,052 | 52,955 |
| Do not want a job now .....      | 49,333 | 49,436 | 49,327 | 49,490 | 49,567 | 49,538 | 49,697 | 49,719 | 49,349 | 49,263 | 49,109 | 49,310 | 49,286 |
| Want a job now .....             | 4,213  | 4,200  | 4,334  | 4,284  | 4,046  | 4,029  | 3,846  | 3,695  | 3,872  | 3,850  | 3,769  | 3,785  | 3,659  |
| Reason not looking:              |        |        |        |        |        |        |        |        |        |        |        |        |        |
| School attendance .....          | 960    | 964    | 1,108  | 1,046  | 974    | 968    | 910    | 893    | 926    | 901    | 893    | 983    | 831    |
| Ill health, disability .....     | 562    | 597    | 665    | 655    | 698    | 614    | 608    | 569    | 550    | 672    | 643    | 599    | 634    |
| Home responsibilities .....      | 984    | 930    | 939    | 957    | 898    | 859    | 832    | 815    | 824    | 805    | 815    | 801    | 899    |
| Think cannot get a job .....     | 783    | 758    | 724    | 678    | 590    | 687    | 603    | 601    | 646    | 583    | 535    | 525    | 531    |
| Other reasons <sup>1</sup> ..... | 924    | 951    | 899    | 947    | 886    | 901    | 893    | 817    | 925    | 889    | 883    | 878    | 764    |
| <b>Black</b>                     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total not in labor force .....   | 7,410  | 7,391  | 7,426  | 7,316  | 7,312  | 7,444  | 7,555  | 7,490  | 7,468  | 7,464  | 7,532  | 7,547  | 7,601  |
| Do not want a job now .....      | 6,031  | 5,980  | 6,137  | 6,108  | 6,073  | 6,124  | 6,319  | 6,267  | 6,154  | 6,145  | 6,275  | 6,032  | 6,281  |
| Want a job now .....             | 1,405  | 1,393  | 1,320  | 1,188  | 1,228  | 1,308  | 1,275  | 1,211  | 1,297  | 1,309  | 1,314  | 1,558  | 1,295  |
| Reason not looking:              |        |        |        |        |        |        |        |        |        |        |        |        |        |
| School attendance .....          | 377    | 343    | 326    | 317    | 342    | 343    | 326    | 312    | 385    | 332    | 315    | 427    | 343    |
| Ill health, disability .....     | 197    | 228    | 192    | 157    | 175    | 206    | 187    | 215    | 210    | 207    | 243    | 288    | 265    |
| Home responsibilities .....      | 308    | 287    | 316    | 276    | 302    | 303    | 319    | 262    | 280    | 338    | 269    | 354    | 313    |
| Think cannot get a job .....     | 302    | 331    | 305    | 292    | 248    | 267    | 271    | 285    | 221    | 255    | 317    | 263    | 232    |
| Other reasons <sup>1</sup> ..... | 222    | 204    | 181    | 147    | 161    | 189    | 171    | 137    | 200    | 177    | 169    | 226    | 142    |

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

NOTE: Data have been revised based on the experience through December 1989. See the article in this issue for additional information.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-54. Persons not in the labor force by reason, sex, and age**

(In thousands)

| Reason and sex                   | Total      |            | Age               |            |                   |            |                   |            |                      |            |
|----------------------------------|------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|----------------------|------------|
|                                  | IV<br>1988 | IV<br>1989 | 16 to 19<br>years |            | 20 to 24<br>years |            | 25 to 59<br>years |            | 60 years<br>and over |            |
|                                  |            |            | IV<br>1988        | IV<br>1989 | IV<br>1988        | IV<br>1989 | IV<br>1988        | IV<br>1989 | IV<br>1988           | IV<br>1989 |
| <b>TOTAL</b>                     |            |            |                   |            |                   |            |                   |            |                      |            |
| Total not in labor force .....   | 62,856     | 62,658     | 6,884             | 6,539      | 4,056             | 4,102      | 20,478            | 20,190     | 31,439               | 31,828     |
| Do not want a job now .....      | 57,586     | 57,654     | 5,852             | 5,637      | 3,340             | 3,377      | 17,643            | 17,451     | 30,747               | 31,188     |
| Current activity:                |            |            |                   |            |                   |            |                   |            |                      |            |
| Going to school .....            | 7,915      | 7,808      | 5,191             | 5,044      | 1,756             | 1,836      | 965               | 906        | 4                    | 23         |
| Ill, disabled .....              | 4,577      | 4,662      | 56                | 26         | 131               | 112        | 2,261             | 2,418      | 2,128                | 2,106      |
| Keeping house .....              | 24,381     | 23,696     | 316               | 355        | 1,161             | 1,089      | 11,616            | 11,258     | 11,288               | 10,994     |
| Retired .....                    | 16,990     | 17,987     | -                 | -          | 2                 | -          | 425               | 463        | 16,561               | 17,524     |
| Other activity .....             | 3,723      | 3,500      | 289               | 212        | 290               | 340        | 2,376             | 2,407      | 766                  | 541        |
| Want a job now .....             | 5,271      | 5,005      | 1,033             | 902        | 715               | 725        | 2,833             | 2,739      | 689                  | 640        |
| Reason for not looking:          |            |            |                   |            |                   |            |                   |            |                      |            |
| School attendance .....          | 1,387      | 1,215      | 816               | 703        | 225               | 236        | 335               | 277        | 11                   | -          |
| Ill health, disability .....     | 787        | 904        | 22                | 13         | 46                | 37         | 541               | 625        | 178                  | 230        |
| Home responsibility .....        | 1,083      | 1,186      | 59                | 58         | 217               | 215        | 748               | 864        | 59                   | 50         |
| Think cannot get a job .....     | 923        | 807        | 73                | 88         | 105               | 97         | 562               | 469        | 183                  | 152        |
| Job-market factors .....         | 574        | 556        | 52                | 51         | 64                | 67         | 380               | 352        | 78                   | 87         |
| Personal factors .....           | 349        | 250        | 21                | 37         | 42                | 30         | 182               | 118        | 104                  | 65         |
| Other reasons <sup>1</sup> ..... | 1,091      | 893        | 63                | 41         | 122               | 140        | 647               | 504        | 258                  | 207        |
| <b>Men</b>                       |            |            |                   |            |                   |            |                   |            |                      |            |
| Total not in labor force .....   | 21,361     | 21,267     | 3,373             | 3,193      | 1,462             | 1,421      | 4,276             | 4,155      | 12,250               | 12,497     |
| Do not want a job now .....      | 19,393     | 19,529     | 2,853             | 2,746      | 1,193             | 1,156      | 3,440             | 3,399      | 11,908               | 12,229     |
| Current activity:                |            |            |                   |            |                   |            |                   |            |                      |            |
| Going to school .....            | 4,022      | 3,870      | 2,676             | 2,625      | 980               | 912        | 365               | 331        | 2                    | 2          |
| Ill, disabled .....              | 2,379      | 2,380      | 31                | 11         | 77                | 52         | 1,311             | 1,332      | 960                  | 985        |
| Keeping house .....              | 439        | 466        | 9                 | 12         | 5                 | 31         | 168               | 166        | 257                  | 258        |
| Retired .....                    | 10,488     | 11,012     | -                 | -          | 2                 | -          | 308               | 363        | 10,178               | 10,650     |
| Other activity .....             | 2,066      | 1,801      | 137               | 98         | 129               | 161        | 1,288             | 1,207      | 511                  | 334        |
| Want a job now .....             | 1,968      | 1,737      | 521               | 447        | 269               | 266        | 836               | 756        | 341                  | 268        |
| Reason for not looking:          |            |            |                   |            |                   |            |                   |            |                      |            |
| School attendance .....          | 702        | 584        | 442               | 380        | 140               | 109        | 114               | 95         | 6                    | -          |
| Ill health, disability .....     | 382        | 434        | 7                 | 3          | 27                | 28         | 261               | 307        | 87                   | 97         |
| Think cannot get a job .....     | 436        | 367        | 40                | 41         | 54                | 66         | 240               | 180        | 102                  | 80         |
| Other reasons <sup>1</sup> ..... | 448        | 352        | 32                | 23         | 48                | 63         | 221               | 175        | 146                  | 91         |
| <b>Women</b>                     |            |            |                   |            |                   |            |                   |            |                      |            |
| Total not in labor force .....   | 41,495     | 41,392     | 3,511             | 3,346      | 2,594             | 2,681      | 16,202            | 16,035     | 19,189               | 19,331     |
| Do not want a job now .....      | 38,192     | 38,124     | 2,998             | 2,891      | 2,149             | 2,221      | 14,204            | 14,053     | 18,841               | 18,959     |
| Current activity:                |            |            |                   |            |                   |            |                   |            |                      |            |
| Going to school .....            | 3,893      | 3,938      | 2,514             | 2,419      | 776               | 924        | 602               | 575        | 2                    | 21         |
| Ill, disabled .....              | 2,198      | 2,282      | 26                | 16         | 55                | 60         | 950               | 1,086      | 1,169                | 1,121      |
| Keeping house .....              | 23,942     | 23,230     | 306               | 343        | 1,156             | 1,058      | 11,447            | 11,092     | 11,032               | 10,737     |
| Retired .....                    | 6,502      | 6,975      | -                 | -          | -                 | -          | 118               | 100        | 6,383                | 6,874      |
| Other activity .....             | 1,657      | 1,699      | 152               | 114        | 162               | 179        | 1,087             | 1,199      | 255                  | 207        |
| Want a job now .....             | 3,303      | 3,268      | 512               | 455        | 445               | 459        | 1,996             | 1,982      | 348                  | 372        |
| Reason for not looking:          |            |            |                   |            |                   |            |                   |            |                      |            |
| School attendance .....          | 685        | 631        | 375               | 323        | 85                | 127        | 220               | 181        | 5                    | -          |
| Ill health, disability .....     | 406        | 470        | 15                | 10         | 19                | 9          | 280               | 318        | 91                   | 133        |
| Home responsibility .....        | 1,083      | 1,186      | 59                | 58         | 217               | 215        | 748               | 864        | 59                   | 50         |
| Think cannot get a job .....     | 487        | 440        | 33                | 47         | 51                | 32         | 321               | 290        | 81                   | 72         |
| Other reasons <sup>1</sup> ..... | 643        | 541        | 30                | 17         | 73                | 77         | 427               | 330        | 112                  | 117        |

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables A-54 and A-55 may not add to not-in-labor-

force totals because of differences in the weighting patterns used in aggregating these data.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-55. Persons not in the labor force by reason, race, Hispanic origin, age, and sex**

(In thousands)

| Reason, race, and Hispanic origin | Total      |            | Age               |            |                   |            |                      |            | Sex        |            |            |            |
|-----------------------------------|------------|------------|-------------------|------------|-------------------|------------|----------------------|------------|------------|------------|------------|------------|
|                                   | IV<br>1988 | IV<br>1989 | 16 to 24<br>years |            | 25 to 59<br>years |            | 60 years<br>and over |            | Men        |            | Women      |            |
|                                   |            |            | IV<br>1988        | IV<br>1989 | IV<br>1988        | IV<br>1989 | IV<br>1988           | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 |
| <b>WHITE</b>                      |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Total not in labor force .....    | 53,352     | 53,040     | 8,358             | 8157       | 16,852            | 16491      | 28,142               | 28,392     | 17,876     | 17,760     | 35,476     | 35,280     |
| Do not want a job now .....       | 49,591     | 49,523     | 7,174             | 7,142      | 14,831            | 14,488     | 27,582               | 27,893     | 16,480     | 16,570     | 33,111     | 32,953     |
| Current activity:                 |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Going to school .....             | 6,167      | 6,115      | 5,412             | 5,405      | 751               | 691        | 3                    | 18         | 3,168      | 3,035      | 2,999      | 3,080      |
| Ill, disabled .....               | 3,642      | 3,636      | 139               | 119        | 1,754             | 1,798      | 1,749                | 1,719      | 1,908      | 1,885      | 1,734      | 1,751      |
| Keeping house .....               | 21,609     | 20,869     | 1,210             | 1,222      | 10,118            | 9,739      | 10,282               | 9,908      | 353        | 372        | 21,256     | 20,497     |
| Retired .....                     | 15,261     | 16,140     | -                 | -          | 382               | 400        | 14,876               | 15,740     | 9,476      | 9,870      | 5,785      | 6,270      |
| Other activity .....              | 2,912      | 2,762      | 413               | 396        | 1,826             | 1,859      | 672                  | 507        | 1,575      | 1,408      | 1,337      | 1,354      |
| Want a job now .....              | 3,761      | 3,562      | 1,182             | 1,035      | 2,018             | 1,994      | 562                  | 534        | 1,397      | 1,214      | 2,365      | 2,348      |
| Reason for not looking:           |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| School attendance .....           | 905        | 810        | 702               | 599        | 198               | 211        | 5                    | -          | 465        | 401        | 440        | 409        |
| Ill health, disability .....      | 548        | 628        | 47                | 40         | 353               | 426        | 149                  | 162        | 267        | 310        | 281        | 317        |
| Home responsibility .....         | 796        | 868        | 170               | 163        | 583               | 656        | 43                   | 49         | -          | -          | 796        | 868        |
| Think cannot get a job .....      | 663        | 555        | 124               | 116        | 389               | 303        | 150                  | 137        | 323        | 245        | 341        | 310        |
| Other reasons <sup>1</sup> .....  | 849        | 701        | 139               | 118        | 495               | 397        | 215                  | 186        | 342        | 257        | 507        | 444        |
| <b>BLACK</b>                      |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Total not in labor force .....    | 7,472      | 7,601      | 2,030             | 1,986      | 2,704             | 2,798      | 2,738                | 2,818      | 2,747      | 2,800      | 4,725      | 4,801      |
| Do not want a job now .....       | 6,190      | 6,323      | 1,556             | 1,462      | 1,992             | 2,145      | 2,640                | 2,716      | 2,302      | 2,344      | 3,885      | 3,980      |
| Current activity:                 |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Going to school .....             | 1,238      | 1,242      | 1,148             | 1,138      | 91                | 103        | -                    | 2          | 587        | 591        | 650        | 651        |
| Ill, disabled .....               | 848        | 915        | 45                | 19         | 448               | 524        | 355                  | 371        | 413        | 446        | 434        | 469        |
| Keeping house .....               | 2,015      | 2,077      | 230               | 173        | 968               | 1,035      | 816                  | 869        | 60         | 68         | 1,954      | 2,009      |
| Retired .....                     | 1,448      | 1,477      | -                 | -          | 37                | 35         | 1,393                | 1,442      | 838        | 904        | 610        | 573        |
| Other activity .....              | 641        | 612        | 133               | 132        | 448               | 448        | 76                   | 31         | 404        | 334        | 237        | 278        |
| Want a job now .....              | 1,282      | 1,278      | 474               | 524        | 712               | 652        | 97                   | 102        | 446        | 456        | 839        | 822        |
| Reason for not looking:           |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| School attendance .....           | 393        | 349        | 278               | 298        | 115               | 51         | -                    | -          | 178        | 146        | 216        | 203        |
| Ill health, disability .....      | 214        | 267        | 21                | 10         | 174               | 189        | 19                   | 68         | 95         | 121        | 119        | 146        |
| Home responsibility .....         | 257        | 290        | 97                | 96         | 146               | 192        | 14                   | 1          | -          | -          | 257        | 290        |
| Think cannot get a job .....      | 212        | 223        | 47                | 63         | 139               | 145        | 26                   | 15         | 90         | 115        | 123        | 108        |
| Other reasons <sup>1</sup> .....  | 207        | 150        | 31                | 57         | 138               | 75         | 38                   | 17         | 83         | 75         | 124        | 75         |
| <b>HISPANIC ORIGIN</b>            |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Total not in labor force .....    | 4,374      | 4,572      | 1,198             | 1,247      | 2,087             | 2,114      | 1,088                | 1,212      | 1,188      | 1,262      | 3,186      | 3,310      |
| Do not want a job now .....       | 3,791      | 4,079      | 934               | 1,102      | 1,807             | 1,799      | 1,052                | 1,178      | 994        | 1,085      | 2,795      | 2,993      |
| Current activity:                 |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Going to school .....             | 560        | 668        | 509               | 606        | 53                | 62         | -                    | -          | 274        | 314        | 285        | 354        |
| Ill, disabled .....               | 343        | 350        | 12                | 21         | 224               | 238        | 106                  | 91         | 195        | 192        | 148        | 158        |
| Keeping house .....               | 2,119      | 2,161      | 351               | 395        | 1,311             | 1,305      | 457                  | 460        | 37         | 55         | 2,082      | 2,106      |
| Retired .....                     | 471        | 617        | -                 | -          | 10                | 10         | 461                  | 607        | 323        | 371        | 147        | 246        |
| Other activity .....              | 298        | 283        | 62                | 79         | 209               | 185        | 28                   | 19         | 165        | 153        | 133        | 130        |
| Want a job now .....              | 583        | 517        | 261               | 192        | 282               | 307        | 38                   | 18         | 193        | 174        | 391        | 343        |
| Reason for not looking:           |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| School attendance .....           | 137        | 90         | 123               | 71         | 13                | 19         | -                    | -          | 69         | 49         | 69         | 41         |
| Ill health, disability .....      | 57         | 71         | 2                 | 9          | 34                | 58         | 22                   | 5          | 33         | 48         | 24         | 23         |
| Home responsibility .....         | 147        | 156        | 59                | 41         | 87                | 115        | -                    | -          | -          | -          | 147        | 156        |
| Think cannot get a job .....      | 125        | 119        | 50                | 44         | 72                | 65         | 4                    | 10         | 54         | 55         | 71         | 64         |
| Other reasons <sup>1</sup> .....  | 117        | 81         | 27                | 28         | 76                | 51         | 12                   | 3          | 37         | 22         | 80         | 60         |

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the other races are not presented and Hispanics are included in both the white and black population groups.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-56. Persons not in the labor force who desire work but think cannot get jobs by reason, sex, age, race, and Hispanic origin**

(in thousands)

| Reason and sex                         | 4th Quarter 1989 |                |                |                |                   |                          |       |                 |
|--|------------------|----------------|----------------|----------------|-------------------|--------------------------|-------|-----------------|
|  | Total            | Age            |                |                |                   | Race and Hispanic origin |       |                 |
|  |                  | 16 to 19 years | 20 to 24 years | 25 to 59 years | 60 years and over | White                    | Black | Hispanic origin |
| <b>TOTAL</b>                           |                  |                |                |                |                   |                          |       |                 |
| Personal factors:                      |                  |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 92               | 6              | 1              | 27             | 59                | 82                       | 6     | 10              |
| Lacks education or training .....      | 96               | 25             | 20             | 51             | 1                 | 62                       | 32    | 15              |
| Other personal handicap .....          | 62               | 7              | 10             | 41             | 5                 | 38                       | 22    | 15              |
| Job-market factors:                    |                  |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 344              | 46             | 60             | 192            | 46                | 212                      | 121   | 64              |
| Thinks no job available .....          | 212              | 5              | 7              | 159            | 41                | 160                      | 42    | 16              |
| <b>Men</b>                             |                  |                |                |                |                   |                          |       |                 |
| Personal factors:                      |                  |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 34               | -              | 1              | 6              | 28                | 31                       | 3     | 10              |
| Lacks education or training .....      | 38               | 3              | 13             | 21             | -                 | 15                       | 22    | -               |
| Other personal handicap .....          | 18               | 7              | 8              | 4              | -                 | 11                       | 7     | 6               |
| Job-market factors:                    |                  |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 175              | 26             | 37             | 84             | 28                | 109                      | 65    | 36              |
| Thinks no job available .....          | 102              | 5              | 7              | 65             | 24                | 80                       | 18    | 3               |
| <b>Women</b>                           |                  |                |                |                |                   |                          |       |                 |
| Personal factors:                      |                  |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 58               | 6              | -              | 21             | 31                | 51                       | 4     | -               |
| Lacks education or training .....      | 58               | 21             | 6              | 29             | 1                 | 48                       | 10    | 15              |
| Other personal handicap .....          | 44               | -              | 2              | 37             | 5                 | 28                       | 15    | 9               |
| Job-market factors:                    |                  |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 169              | 19             | 23             | 109            | 17                | 103                      | 56    | 28              |
| Thinks no job available .....          | 111              | -              | -              | 94             | 16                | 81                       | 24    | 12              |

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-57. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race**

(In thousands)

| Work-seeking intentions, work history, and sex  | Total      |            | Age               |            |                   |            |                      |            | Race       |            |            |            |
|---|------------|------------|-------------------|------------|-------------------|------------|----------------------|------------|------------|------------|------------|------------|
|   | IV<br>1988 | IV<br>1989 | 16 to 24<br>years |            | 25 to 59<br>years |            | 60 years<br>and over |            | White      |            | Black      |            |
|   |            |            | IV<br>1988        | IV<br>1989 | IV<br>1988        | IV<br>1989 | IV<br>1988           | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 |
| <b>TOTAL</b>                                    |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Do not intend to seek work .....                | 53,224     | 53,198     | 5,928             | 5,672      | 16,529            | 16,306     | 30,766               | 31,220     | 45,873     | 45,695     | 5,737      | 5,870      |
| Intend to seek work in the next 12 months ..... | 9,632      | 9,461      | 5,011             | 4,969      | 3,948             | 3,884      | 672                  | 607        | 7,478      | 7,390      | 1,735      | 1,731      |
| Never worked .....                              | 1,591      | 1,391      | 1,391             | 1,209      | 181               | 177        | 19                   | 6          | 1,043      | 884        | 456        | 444        |
| Last worked over 5 years ago .....              | 1,131      | 1,051      | 45                | 30         | 866               | 804        | 220                  | 217        | 843        | 818        | 257        | 205        |
| Last worked 1 to 5 years ago .....              | 1,889      | 1,966      | 527               | 542        | 1,163             | 1,202      | 198                  | 221        | 1,449      | 1,520      | 363        | 362        |
| Worked during the previous 12 months .....      | 5,021      | 5,052      | 3,048             | 3,187      | 1,738             | 1,701      | 236                  | 164        | 4,144      | 4,168      | 660        | 719        |
| <b>Men</b>                                      |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Do not intend to seek work .....                | 17,513     | 17,645     | 2,392             | 2,196      | 3,187             | 3,222      | 11,935               | 12,227     | 14,848     | 14,941     | 2,135      | 2,159      |
| Intend to seek work in the next 12 months ..... | 3,848      | 3,622      | 2,443             | 2,418      | 1,090             | 933        | 316                  | 270        | 3,028      | 2,842      | 612        | 641        |
| Never worked .....                              | 727        | 633        | 678               | 600        | 49                | 33         | -                    | -          | 503        | 399        | 183        | 205        |
| Last worked over 5 years ago .....              | 260        | 209        | 11                | 12         | 162               | 114        | 87                   | 84         | 174        | 156        | 61         | 49         |
| Last worked 1 to 5 years ago .....              | 573        | 528        | 156               | 168        | 317               | 244        | 99                   | 116        | 431        | 401        | 106        | 98         |
| Worked during the previous 12 months .....      | 2,288      | 2,251      | 1,598             | 1,639      | 560               | 542        | 130                  | 70         | 1,920      | 1,886      | 262        | 289        |
| <b>Women</b>                                    |            |            |                   |            |                   |            |                      |            |            |            |            |            |
| Do not intend to seek work .....                | 35,711     | 35,553     | 3,536             | 3,476      | 13,342            | 13,083     | 18,833               | 18,994     | 31,025     | 30,753     | 3,602      | 3,712      |
| Intend to seek work in the next 12 months ..... | 5,784      | 5,839      | 2,568             | 2,551      | 2,860             | 2,952      | 356                  | 337        | 4,450      | 4,548      | 1,123      | 1,090      |
| Never worked .....                              | 864        | 759        | 713               | 609        | 132               | 144        | 19                   | 6          | 540        | 484        | 273        | 239        |
| Last worked over 5 years ago .....              | 872        | 842        | 34                | 18         | 704               | 690        | 133                  | 133        | 669        | 662        | 195        | 157        |
| Last worked 1 to 5 years ago .....              | 1,316      | 1,437      | 371               | 374        | 846               | 958        | 99                   | 105        | 1,018      | 1,119      | 256        | 264        |
| Worked during the previous 12 months .....      | 2,733      | 2,801      | 1,450             | 1,549      | 1,178             | 1,159      | 106                  | 93         | 2,224      | 2,282      | 398        | 431        |

**HOUSEHOLD DATA**  
**NOT SEASONALLY ADJUSTED**  
**QUARTERLY AVERAGES**

**A-58. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin**

(Numbers in thousands)

| Employment status, sex, and age            | Total      |            | White      |            | Black      |            | Hispanic origin |            |
|--|------------|------------|------------|------------|------------|------------|-----------------|------------|
|  | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988      | IV<br>1989 |
| <b>TOTAL</b>                               |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 185,253    | 187,018    | 158,611    | 159,738    | 20,813     | 21,136     | 13,495          | 13,977     |
| Civilian labor force .....                 | 122,397    | 124,359    | 105,259    | 106,698    | 13,341     | 13,535     | 9,121           | 9,405      |
| Percent of population .....                | 66.1       | 66.5       | 66.4       | 66.8       | 64.1       | 64.0       | 67.6            | 67.3       |
| Employed .....                             | 116,181    | 118,020    | 100,655    | 102,084    | 11,911     | 12,011     | 8,431           | 8,667      |
| Agriculture .....                          | 3,099      | 3,068      | 2,914      | 2,865      | 143        | 137        | 423             | 454        |
| Nonagricultural industries .....           | 113,082    | 114,952    | 97,741     | 99,218     | 11,768     | 11,874     | 8,007           | 8,213      |
| Unemployed .....                           | 6,216      | 6,339      | 4,604      | 4,614      | 1,430      | 1,524      | 691             | 739        |
| Unemployment rate .....                    | 5.1        | 5.1        | 4.4        | 4.3        | 10.7       | 11.3       | 7.6             | 7.9        |
| Not in labor force .....                   | 62,856     | 62,658     | 53,352     | 53,040     | 7,472      | 7,601      | 4,374           | 4,572      |
| <b>Men, 16 years and over</b>              |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 88,181     | 89,077     | 76,075     | 76,678     | 9,345      | 9,492      | 6,691           | 6,921      |
| Civilian labor force .....                 | 66,820     | 67,811     | 58,198     | 58,918     | 6,598      | 6,692      | 5,503           | 5,659      |
| Percent of population .....                | 75.8       | 76.1       | 76.5       | 76.8       | 70.6       | 70.5       | 82.2            | 81.8       |
| Employed .....                             | 63,403     | 64,354     | 55,591     | 56,343     | 5,882      | 5,922      | 5,101           | 5,211      |
| Agriculture .....                          | 2,420      | 2,414      | 2,261      | 2,246      | 124        | 119        | 377             | 407        |
| Nonagricultural industries .....           | 60,984     | 61,940     | 53,330     | 54,097     | 5,758      | 5,803      | 4,725           | 4,804      |
| Unemployed .....                           | 3,416      | 3,457      | 2,607      | 2,575      | 716        | 770        | 401             | 448        |
| Unemployment rate .....                    | 5.1        | 5.1        | 4.5        | 4.4        | 10.8       | 11.5       | 7.3             | 7.9        |
| Not in labor force .....                   | 21,361     | 21,267     | 17,876     | 17,760     | 2,747      | 2,800      | 1,188           | 1,262      |
| <b>Men, 20 years and over</b>              |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 80,925     | 81,976     | 70,149     | 70,933     | 8,269      | 8,416      | 6,004           | 6,207      |
| Civilian labor force .....                 | 62,937     | 63,902     | 54,858     | 55,616     | 6,141      | 6,218      | 5,127           | 5,267      |
| Percent of population .....                | 77.8       | 78.0       | 78.2       | 78.4       | 74.3       | 73.9       | 85.4            | 84.9       |
| Employed .....                             | 60,121     | 61,087     | 52,699     | 53,510     | 5,570      | 5,595      | 4,807           | 4,905      |
| Agriculture .....                          | 2,263      | 2,256      | 2,106      | 2,092      | 123        | 116        | 355             | 379        |
| Nonagricultural industries .....           | 57,859     | 58,831     | 50,592     | 51,418     | 5,447      | 5,479      | 4,452           | 4,526      |
| Unemployed .....                           | 2,816      | 2,815      | 2,160      | 2,106      | 571        | 623        | 320             | 362        |
| Unemployment rate .....                    | 4.5        | 4.4        | 3.9        | 3.8        | 9.3        | 10.0       | 6.2             | 6.9        |
| Not in labor force .....                   | 17,988     | 18,074     | 15,290     | 15,318     | 2,128      | 2,198      | 877             | 939        |
| <b>Women, 16 years and over</b>            |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 97,072     | 97,940     | 82,536     | 83,060     | 11,468     | 11,644     | 6,805           | 7,056      |
| Civilian labor force .....                 | 55,577     | 56,549     | 47,060     | 47,780     | 6,743      | 6,843      | 3,619           | 3,746      |
| Percent of population .....                | 57.3       | 57.7       | 57.0       | 57.5       | 58.8       | 58.8       | 53.2            | 53.1       |
| Employed .....                             | 52,777     | 53,666     | 45,063     | 45,741     | 6,029      | 6,089      | 3,329           | 3,456      |
| Agriculture .....                          | 679        | 654        | 653        | 619        | 19         | 18         | 46              | 48         |
| Nonagricultural industries .....           | 52,098     | 53,013     | 44,411     | 45,122     | 6,010      | 6,071      | 3,283           | 3,408      |
| Unemployed .....                           | 2,800      | 2,882      | 1,997      | 2,039      | 714        | 754        | 290             | 290        |
| Unemployment rate .....                    | 5.0        | 5.1        | 4.2        | 4.3        | 10.6       | 11.0       | 8.0             | 7.7        |
| Not in labor force .....                   | 41,495     | 41,392     | 35,476     | 35,280     | 4,725      | 4,801      | 3,186           | 3,310      |
| <b>Women, 20 years and over</b>            |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 89,883     | 90,952     | 76,713     | 77,420     | 10,364     | 10,548     | 6,128           | 6,371      |
| Civilian labor force .....                 | 51,899     | 52,906     | 43,877     | 44,673     | 6,351      | 6,417      | 3,351           | 3,471      |
| Percent of population .....                | 57.7       | 58.2       | 57.2       | 57.7       | 61.3       | 60.8       | 54.7            | 54.5       |
| Employed .....                             | 49,567     | 50,497     | 42,229     | 42,969     | 5,741      | 5,791      | 3,114           | 3,220      |
| Agriculture .....                          | 636        | 616        | 610        | 584        | 19         | 18         | 44              | 45         |
| Nonagricultural industries .....           | 48,931     | 49,881     | 41,619     | 42,385     | 5,722      | 5,773      | 3,070           | 3,175      |
| Unemployed .....                           | 2,332      | 2,408      | 1,648      | 1,704      | 611        | 626        | 238             | 251        |
| Unemployment rate .....                    | 4.5        | 4.6        | 3.8        | 3.8        | 9.6        | 9.7        | 7.1             | 7.2        |
| Not in labor force .....                   | 37,984     | 38,046     | 32,836     | 32,747     | 4,012      | 4,131      | 2,777           | 2,900      |
| <b>Both sexes, 16 to 19 years</b>          |            |            |            |            |            |            |                 |            |
| Civilian noninstitutional population ..... | 14,445     | 14,090     | 11,749     | 11,385     | 2,180      | 2,172      | 1,363           | 1,400      |
| Civilian labor force .....                 | 7,561      | 7,551      | 6,523      | 6,409      | 849        | 900        | 643             | 667        |
| Percent of population .....                | 52.3       | 53.6       | 55.5       | 56.3       | 38.9       | 41.4       | 47.2            | 47.6       |
| Employed .....                             | 6,492      | 6,435      | 5,727      | 5,605      | 601        | 625        | 510             | 541        |
| Agriculture .....                          | 200        | 195        | 197        | 189        | 1          | 3          | 24              | 30         |
| Nonagricultural industries .....           | 6,292      | 6,240      | 5,530      | 5,415      | 600        | 622        | 486             | 511        |
| Unemployed .....                           | 1,069      | 1,116      | 796        | 805        | 248        | 275        | 133             | 125        |
| Unemployment rate .....                    | 14.1       | 14.8       | 12.2       | 12.6       | 29.2       | 30.6       | 20.7            | 18.8       |
| Not in labor force .....                   | 6,884      | 6,539      | 5,226      | 4,976      | 1,332      | 1,272      | 720             | 733        |

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-59. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age**

(Numbers in thousands)

| Employment status, sex, and age            | Total Hispanic origin <sup>1</sup> |            | Mexican origin |            | Puerto Rican origin |            | Cuban origin     |                  |
|--|------------------------------------|------------|----------------|------------|---------------------|------------|------------------|------------------|
|  | IV<br>1988                         | IV<br>1989 | IV<br>1988     | IV<br>1989 | IV<br>1988          | IV<br>1989 | IV<br>1988       | IV<br>1989       |
| <b>TOTAL</b>                               |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 13,495                             | 13,977     | 8,128          | 8,419      | 1,563               | 1,546      | 852              | 873              |
| Civilian labor force .....                 | 9,121                              | 9,405      | 5,663          | 5,751      | 866                 | 900        | 554              | 549              |
| Percent of population .....                | 67.6                               | 67.3       | 69.7           | 68.3       | 55.4                | 58.3       | 65.0             | 62.9             |
| Employed .....                             | 8,431                              | 8,667      | 5,207          | 5,267      | 789                 | 812        | 512              | 524              |
| Agriculture .....                          | 423                                | 454        | 377            | 407        | 4                   | 10         | 9                | 4                |
| Nonagricultural industries .....           | 8,007                              | 8,213      | 4,830          | 4,860      | 785                 | 801        | 503              | 520              |
| Unemployed .....                           | 691                                | 739        | 456            | 484        | 77                  | 89         | 42               | 25               |
| Unemployment rate .....                    | 7.6                                | 7.9        | 8.1            | 8.4        | 8.9                 | 9.8        | 7.6              | 4.5              |
| Not in labor force .....                   | 4,374                              | 4,572      | 2,464          | 2,668      | 697                 | 645        | 298              | 324              |
| <b>Men, 16 years and over</b>              |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 6,691                              | 6,921      | 4,168          | 4,323      | 677                 | 679        | 414              | 429              |
| Civilian labor force .....                 | 5,503                              | 5,659      | 3,541          | 3,597      | 499                 | 515        | 324              | 316              |
| Percent of population .....                | 82.2                               | 81.8       | 85.0           | 83.2       | 73.7                | 75.8       | 78.3             | 73.6             |
| Employed .....                             | 5,101                              | 5,211      | 3,269          | 3,290      | 450                 | 463        | 298              | 304              |
| Agriculture .....                          | 377                                | 407        | 337            | 363        | 4                   | 8          | 6                | 4                |
| Nonagricultural industries .....           | 4,725                              | 4,804      | 2,932          | 2,927      | 447                 | 456        | 292              | 300              |
| Unemployed .....                           | 401                                | 448        | 272            | 307        | 49                  | 52         | 26               | 12               |
| Unemployment rate .....                    | 7.3                                | 7.9        | 7.7            | 8.5        | 9.7                 | 10.1       | 7.9              | 3.7              |
| Not in labor force .....                   | 1,188                              | 1,262      | 627            | 725        | 177                 | 164        | 90               | 113              |
| <b>Men, 20 years and over</b>              |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 6,004                              | 6,207      | 3,714          | 3,860      | 612                 | 610        | 390              | 408              |
| Civilian labor force .....                 | 5,127                              | 5,267      | 3,268          | 3,328      | 467                 | 485        | 311              | 306              |
| Percent of population .....                | 85.4                               | 84.9       | 88.0           | 86.2       | 76.3                | 79.4       | 79.7             | 74.9             |
| Employed .....                             | 4,807                              | 4,905      | 3,058          | 3,082      | 427                 | 444        | 287              | 294              |
| Agriculture .....                          | 355                                | 379        | 317            | 336        | 4                   | 8          | 6                | 4                |
| Nonagricultural industries .....           | 4,452                              | 4,526      | 2,741          | 2,746      | 423                 | 436        | 281              | 290              |
| Unemployed .....                           | 320                                | 362        | 210            | 246        | 40                  | 41         | 24               | 11               |
| Unemployment rate .....                    | 6.2                                | 6.9        | 6.4            | 7.4        | 8.6                 | 8.4        | 7.7              | 3.7              |
| Not in labor force .....                   | 877                                | 939        | 445            | 532        | 145                 | 126        | 79               | 102              |
| <b>Women, 16 years and over</b>            |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 6,805                              | 7,056      | 3,960          | 4,097      | 886                 | 866        | 438              | 444              |
| Civilian labor force .....                 | 3,619                              | 3,746      | 2,123          | 2,154      | 367                 | 385        | 230              | 233              |
| Percent of population .....                | 53.2                               | 53.1       | 53.6           | 52.6       | 41.4                | 44.4       | 52.5             | 52.5             |
| Employed .....                             | 3,329                              | 3,456      | 1,938          | 1,977      | 338                 | 348        | 214              | 220              |
| Agriculture .....                          | 46                                 | 48         | 40             | 43         | -                   | 3          | 2                | -                |
| Nonagricultural industries .....           | 3,283                              | 3,408      | 1,898          | 1,934      | 338                 | 346        | 211              | 220              |
| Unemployed .....                           | 290                                | 290        | 184            | 177        | 29                  | 37         | 16               | 13               |
| Unemployment rate .....                    | 8.0                                | 7.7        | 8.7            | 8.2        | 7.8                 | 9.5        | 7.1              | 5.5              |
| Not in labor force .....                   | 3,186                              | 3,310      | 1,837          | 1,943      | 519                 | 481        | 208              | 211              |
| <b>Women, 20 years and over</b>            |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 6,128                              | 6,371      | 3,506          | 3,666      | 800                 | 776        | 411              | 420              |
| Civilian labor force .....                 | 3,351                              | 3,471      | 1,937          | 1,979      | 341                 | 352        | 220              | 222              |
| Percent of population .....                | 54.7                               | 54.5       | 55.2           | 54.0       | 42.6                | 45.3       | 53.5             | 52.8             |
| Employed .....                             | 3,114                              | 3,220      | 1,792          | 1,826      | 316                 | 321        | 204              | 209              |
| Agriculture .....                          | 44                                 | 45         | 38             | 41         | -                   | 3          | 2                | -                |
| Nonagricultural industries .....           | 3,070                              | 3,175      | 1,754          | 1,785      | 316                 | 318        | 202              | 209              |
| Unemployed .....                           | 238                                | 251        | 144            | 153        | 25                  | 31         | 16               | 13               |
| Unemployment rate .....                    | 7.1                                | 7.2        | 7.4            | 7.7        | 7.3                 | 8.8        | 7.3              | 5.8              |
| Not in labor force .....                   | 2,777                              | 2,900      | 1,569          | 1,687      | 459                 | 424        | 191              | 198              |
| <b>Both sexes, 16 to 19 years</b>          |                                    |            |                |            |                     |            |                  |                  |
| Civilian noninstitutional population ..... | 1,363                              | 1,400      | 908            | 893        | 150                 | 159        | 50               | 44               |
| Civilian labor force .....                 | 643                                | 667        | 458            | 445        | 57                  | 64         | 22               | 21               |
| Percent of population .....                | 47.2                               | 47.6       | 50.4           | 49.8       | 38.0                | 40.2       | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Employed .....                             | 510                                | 541        | 356            | 359        | 45                  | 47         | 20               | 21               |
| Agriculture .....                          | 24                                 | 30         | 22             | 30         | -                   | -          | -                | -                |
| Nonagricultural industries .....           | 486                                | 511        | 335            | 329        | 45                  | 47         | 20               | 21               |
| Unemployed .....                           | 133                                | 125        | 102            | 85         | 12                  | 17         | 2                | 1                |
| Unemployment rate .....                    | 20.7                               | 18.8       | 22.3           | 19.2       | ( <sup>2</sup> )    | 26.3       | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Not in labor force .....                   | 720                                | 733        | 450            | 449        | 93                  | 95         | 28               | 23               |

<sup>1</sup> Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

<sup>2</sup> Data not shown where base is less than 60,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-60. Employed civilians by selected social and economic categories, race, and Hispanic origin**

(In thousands)

| Category  | Total      |            | White      |            | Black      |            | Hispanic origin |            |
|---|------------|------------|------------|------------|------------|------------|-----------------|------------|
|   | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988      | IV<br>1989 |
| <b>CHARACTERISTIC</b>   |            |            |            |            |            |            |                 |            |
| Total (all civilian workers) .....                              | 116,181    | 118,020    | 100,655    | 102,084    | 11,911     | 12,011     | 8,431           | 8,667      |
| Men .....   | 63,403     | 64,354     | 55,591     | 56,343     | 5,882      | 5,922      | 5,101           | 5,211      |
| Women .....   | 52,777     | 53,666     | 45,063     | 45,741     | 6,029      | 6,089      | 3,329           | 3,456      |
| <b>OCCUPATION</b>   |            |            |            |            |            |            |                 |            |
| Managerial and professional specialty .....                     | 29,723     | 30,848     | 26,959     | 27,841     | 1,759      | 1,909      | 1,070           | 1,079      |
| Executive, administrative, and managerial .....                 | 14,322     | 14,810     | 13,162     | 13,522     | 778        | 854        | 543             | 580        |
| Professional specialty .....                                    | 15,402     | 16,038     | 13,797     | 14,319     | 981        | 1,055      | 527             | 499        |
| Technical, sales, and administrative support .....              | 35,923     | 36,617     | 31,395     | 32,048     | 3,406      | 3,388      | 2,060           | 2,130      |
| Technicians and related support .....                           | 3,578      | 3,670      | 3,102      | 3,145      | 307        | 344        | 165             | 168        |
| Sales occupations .....   | 14,072     | 14,358     | 12,721     | 12,996     | 944        | 920        | 720             | 750        |
| Administrative support, including clerical .....                | 18,273     | 18,589     | 15,572     | 15,907     | 2,154      | 2,125      | 1,175           | 1,211      |
| Service occupations .....                                       | 15,514     | 15,374     | 12,263     | 12,057     | 2,702      | 2,718      | 1,692           | 1,713      |
| Private household .....   | 941        | 839        | 718        | 597        | 209        | 214        | 186             | 146        |
| Protective service .....  | 1,934      | 1,903      | 1,579      | 1,562      | 317        | 305        | 124             | 141        |
| Service, except private household and protective .....          | 12,640     | 12,632     | 9,965      | 9,898      | 2,177      | 2,200      | 1,381           | 1,426      |
| Precision production, craft, and repair .....                   | 13,680     | 13,930     | 12,270     | 12,466     | 1,035      | 1,087      | 1,118           | 1,228      |
| Mechanics and repairers .....                                   | 4,369      | 4,509      | 3,933      | 4,042      | 322        | 359        | 340             | 372        |
| Construction trades .....                                       | 5,127      | 5,299      | 4,667      | 4,859      | 369        | 330        | 413             | 495        |
| Other precision production, craft, and repair .....             | 4,184      | 4,123      | 3,670      | 3,565      | 344        | 398        | 365             | 360        |
| Operators, fabricators, and laborers .....                      | 18,044     | 18,047     | 14,746     | 14,727     | 2,790      | 2,711      | 2,047           | 2,052      |
| Machine operators, assemblers, and inspectors .....             | 8,278      | 8,183      | 6,756      | 6,648      | 1,229      | 1,193      | 1,140           | 1,044      |
| Transportation and material moving occupations .....            | 4,911      | 4,961      | 4,089      | 4,135      | 727        | 714        | 370             | 439        |
| Handlers, equipment cleaners, helpers, and laborers .....       | 4,854      | 4,903      | 3,902      | 3,943      | 833        | 804        | 536             | 569        |
| Construction laborers .....                                     | 786        | 721        | 642        | 605        | 123        | 95         | 125             | 99         |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 4,068      | 4,182      | 3,260      | 3,338      | 710        | 709        | 412             | 470        |
| Farming, forestry, and fishing .....                            | 3,295      | 3,204      | 3,022      | 2,945      | 220        | 197        | 444             | 465        |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>                       |            |            |            |            |            |            |                 |            |
| Agriculture:  |            |            |            |            |            |            |                 |            |
| Wage and salary workers .....                                   | 1,579      | 1,601      | 1,433      | 1,446      | 122        | 107        | 347             | 404        |
| Self-employed workers .....                                     | 1,385      | 1,360      | 1,346      | 1,317      | 21         | 27         | 70              | 51         |
| Unpaid family workers .....                                     | 135        | 106        | 134        | 103        | -          | 3          | 7               | -          |
| Nonagricultural industries:                                     |            |            |            |            |            |            |                 |            |
| Wage and salary workers .....                                   | 104,160    | 105,997    | 89,545     | 91,000     | 11,345     | 11,463     | 7,496           | 7,737      |
| Government .....  | 17,586     | 17,974     | 14,281     | 14,715     | 2,678      | 2,662      | 971             | 950        |
| Private industries .....  | 86,575     | 88,023     | 75,263     | 76,284     | 8,667      | 8,801      | 6,526           | 6,787      |
| Private households .....  | 1,190      | 1,030      | 899        | 749        | 270        | 246        | 216             | 168        |
| Other industries .....  | 85,385     | 86,993     | 74,365     | 75,535     | 8,397      | 8,555      | 6,310           | 6,619      |
| Self-employed workers .....                                     | 8,663      | 8,703      | 7,964      | 7,987      | 416        | 406        | 488             | 465        |
| Unpaid family workers .....                                     | 259        | 252        | 232        | 232        | 8          | 4          | 22              | 11         |
| <b>FULL- AND PART-TIME STATUS<sup>1</sup></b>                   |            |            |            |            |            |            |                 |            |
| Full-time schedules .....                                       | 93,878     | 95,931     | 81,114     | 82,679     | 9,807      | 10,061     | 7,033           | 7,257      |
| Part time for economic reasons .....                            | 4,954      | 4,627      | 3,981      | 3,763      | 826        | 701        | 627             | 557        |
| Part time for noneconomic reasons .....                         | 17,348     | 17,462     | 15,561     | 15,641     | 1,278      | 1,250      | 770             | 852        |

<sup>1</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.  
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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-61. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories**

(In thousands)

| Category  | Total Hispanic origin <sup>1</sup> |         | Mexican origin |         | Puerto Rican origin |         | Cuban origin |         |
|---|------------------------------------|---------|----------------|---------|---------------------|---------|--------------|---------|
|   | IV 1988                            | IV 1989 | IV 1988        | IV 1989 | IV 1988             | IV 1989 | IV 1988      | IV 1989 |
| <b>CHARACTERISTIC</b>   |                                    |         |                |         |                     |         |              |         |
| Total (all civilian workers) .....                              | 8,431                              | 8,667   | 5,207          | 5,267   | 789                 | 812     | 512          | 524     |
| Men .....   | 5,101                              | 5,211   | 3,269          | 3,290   | 450                 | 463     | 298          | 304     |
| Women .....   | 3,329                              | 3,456   | 1,938          | 1,977   | 338                 | 348     | 214          | 220     |
| <b>OCCUPATION</b>   |                                    |         |                |         |                     |         |              |         |
| Managerial and professional specialty .....                     | 1,070                              | 1,079   | 523            | 544     | 124                 | 119     | 127          | 105     |
| Executive, administrative, and managerial .....                 | 543                                | 580     | 266            | 310     | 54                  | 70      | 68           | 57      |
| Professional specialty .....                                    | 527                                | 499     | 256            | 233     | 71                  | 49      | 59           | 47      |
| Technical, sales, and administrative support .....              | 2,060                              | 2,130   | 1,136          | 1,150   | 207                 | 259     | 168          | 172     |
| Technicians and related support .....                           | 165                                | 168     | 81             | 88      | 27                  | 25      | 10           | 13      |
| Sales occupations .....   | 720                                | 750     | 396            | 406     | 50                  | 70      | 69           | 62      |
| Administrative support, including clerical .....                | 1,175                              | 1,211   | 658            | 656     | 130                 | 164     | 90           | 97      |
| Service occupations .....                                       | 1,692                              | 1,713   | 1,076          | 1,025   | 142                 | 150     | 57           | 70      |
| Private household .....   | 186                                | 146     | 89             | 73      | 5                   | 4       | 1            | 1       |
| Protective service .....  | 124                                | 141     | 83             | 77      | 20                  | 25      | 5            | 17      |
| Service, except private household and protective .....          | 1,381                              | 1,426   | 904            | 876     | 117                 | 122     | 50           | 52      |
| Precision production, craft, and repair .....                   | 1,118                              | 1,228   | 701            | 767     | 115                 | 120     | 62           | 70      |
| Mechanics and repairers .....                                   | 340                                | 372     | 197            | 208     | 47                  | 50      | 21           | 23      |
| Construction trades .....                                       | 413                                | 495     | 252            | 336     | 39                  | 33      | 30           | 28      |
| Other precision production, craft, and repair .....             | 365                                | 360     | 252            | 222     | 28                  | 37      | 11           | 19      |
| Operators, fabricators, and laborers .....                      | 2,047                              | 2,052   | 1,369          | 1,371   | 194                 | 149     | 95           | 102     |
| Machine operators, assemblers, and inspectors .....             | 1,140                              | 1,044   | 758            | 695     | 115                 | 73      | 54           | 50      |
| Transportation and material moving occupations .....            | 370                                | 439     | 230            | 277     | 37                  | 36      | 14           | 29      |
| Handlers, equipment cleaners, helpers, and laborers .....       | 536                                | 569     | 380            | 399     | 42                  | 41      | 27           | 23      |
| Construction laborers .....                                     | 125                                | 99      | 85             | 74      | 9                   | 3       | 5            | 2       |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 412                                | 470     | 295            | 325     | 34                  | 39      | 22           | 20      |
| Farming, forestry, and fishing .....                            | 444                                | 465     | 403            | 411     | 6                   | 13      | 3            | 5       |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>                       |                                    |         |                |         |                     |         |              |         |
| Agriculture:  |                                    |         |                |         |                     |         |              |         |
| Wage and salary workers .....                                   | 347                                | 404     | 311            | 369     | 3                   | 6       | 6            | 5       |
| Self-employed workers .....                                     | 70                                 | 51      | 60             | 39      | 1                   | 5       | 2            | -       |
| Unpaid family workers .....                                     | 7                                  | -       | 6              | -       | -                   | -       | -            | -       |
| Nonagricultural industries:                                     |                                    |         |                |         |                     |         |              |         |
| Wage and salary workers .....                                   | 7,496                              | 7,737   | 4,558          | 4,605   | 760                 | 768     | 440          | 476     |
| Government .....  | 971                                | 950     | 605            | 591     | 151                 | 115     | 46           | 53      |
| Private industries .....  | 6,526                              | 6,787   | 3,953          | 4,014   | 609                 | 653     | 393          | 423     |
| Private households .....  | 216                                | 168     | 109            | 89      | 6                   | 4       | 1            | 1       |
| Other industries .....  | 6,310                              | 6,619   | 3,844          | 3,925   | 603                 | 649     | 392          | 422     |
| Self-employed workers .....                                     | 488                                | 465     | 257            | 248     | 23                  | 33      | 63           | 44      |
| Unpaid family workers .....                                     | 22                                 | 11      | 14             | 7       | 2                   | 1       | 1            | -       |
| <b>FULL- AND PART-TIME STATUS<sup>2</sup></b>                   |                                    |         |                |         |                     |         |              |         |
| Full-time schedules .....                                       | 7,033                              | 7,257   | 4,311          | 4,372   | 667                 | 699     | 435          | 464     |
| Part time for economic reasons .....                            | 627                                | 557     | 470            | 413     | 32                  | 29      | 22           | 17      |
| Part time for noneconomic reasons .....                         | 770                                | 852     | 427            | 482     | 90                  | 84      | 55           | 43      |

<sup>1</sup> Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

<sup>2</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-62. Employed civilians by sex, age, race, and Hispanic origin**

(In thousands)

| Sex and age                    | Total   |         | White   |         | Black   |         | Hispanic origin |         |
|--------------------------------|---------|---------|---------|---------|---------|---------|-----------------|---------|
|                                | IV 1988 | IV 1989 | IV 1988 | IV 1989 | IV 1988 | IV 1989 | IV 1988         | IV 1989 |
| Total, 16 years and over ..... | 116,181 | 118,020 | 100,655 | 102,084 | 11,911  | 12,011  | 8,431           | 8,667   |
| 16 to 19 years .....           | 6,492   | 6,435   | 5,727   | 5,605   | 601     | 625     | 510             | 541     |
| 16 to 17 years .....           | 2,548   | 2,452   | 2,274   | 2,167   | 213     | 216     | 143             | 165     |
| 18 to 19 years .....           | 3,944   | 3,983   | 3,453   | 3,437   | 388     | 410     | 367             | 376     |
| 20 to 24 years .....           | 13,060  | 12,614  | 11,159  | 10,790  | 1,514   | 1,425   | 1,312           | 1,331   |
| 25 years and over .....        | 96,628  | 98,970  | 83,769  | 85,689  | 9,796   | 9,960   | 6,609           | 6,794   |
| 25 to 54 years .....           | 81,720  | 84,008  | 70,509  | 72,380  | 8,494   | 8,699   | 5,883           | 6,112   |
| 55 years and over .....        | 14,908  | 14,962  | 13,260  | 13,309  | 1,301   | 1,261   | 727             | 682     |
| Men, 16 years and over .....   | 63,403  | 64,354  | 55,591  | 56,343  | 5,882   | 5,922   | 5,101           | 5,211   |
| 16 to 19 years .....           | 3,282   | 3,266   | 2,893   | 2,833   | 313     | 327     | 294             | 305     |
| 16 to 17 years .....           | 1,269   | 1,214   | 1,135   | 1,070   | 114     | 111     | 72              | 96      |
| 18 to 19 years .....           | 2,013   | 2,052   | 1,758   | 1,763   | 199     | 216     | 222             | 209     |
| 20 to 24 years .....           | 6,777   | 6,595   | 5,778   | 5,685   | 781     | 705     | 833             | 834     |
| 25 years and over .....        | 53,344  | 54,492  | 46,920  | 47,825  | 4,789   | 4,890   | 3,975           | 4,072   |
| 25 to 54 years .....           | 44,831  | 46,012  | 39,221  | 40,179  | 4,155   | 4,261   | 3,551           | 3,682   |
| 55 years and over .....        | 8,514   | 8,480   | 7,699   | 7,646   | 634     | 628     | 424             | 390     |
| Women, 16 years and over ..... | 52,777  | 53,666  | 45,063  | 45,741  | 6,029   | 6,089   | 3,329           | 3,456   |
| 16 to 19 years .....           | 3,210   | 3,169   | 2,834   | 2,772   | 288     | 298     | 215             | 236     |
| 16 to 17 years .....           | 1,279   | 1,238   | 1,139   | 1,097   | 99      | 105     | 70              | 69      |
| 18 to 19 years .....           | 1,931   | 1,931   | 1,695   | 1,675   | 189     | 193     | 145             | 167     |
| 20 to 24 years .....           | 6,282   | 6,019   | 5,380   | 5,105   | 734     | 720     | 479             | 497     |
| 25 years and over .....        | 43,285  | 44,478  | 36,849  | 37,864  | 5,007   | 5,071   | 2,635           | 2,723   |
| 25 to 54 years .....           | 36,890  | 37,996  | 31,288  | 32,202  | 4,339   | 4,438   | 2,332           | 2,431   |
| 55 years and over .....        | 6,395   | 6,482   | 5,561   | 5,663   | 667     | 633     | 303             | 292     |

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-63. Unemployment rates by sex, age, race, and Hispanic origin**

(Civilian workers)

| Sex and age                    | Total   |         | White   |         | Black   |         | Hispanic origin |         |
|--------------------------------|---------|---------|---------|---------|---------|---------|-----------------|---------|
|                                | IV 1988 | IV 1989 | IV 1988 | IV 1989 | IV 1988 | IV 1989 | IV 1988         | IV 1989 |
| Total, 16 years and over ..... | 5.1     | 5.1     | 4.4     | 4.3     | 10.7    | 11.3    | 7.6             | 7.9     |
| 16 to 19 years .....           | 14.1    | 14.8    | 12.2    | 12.6    | 29.2    | 30.6    | 20.7            | 18.8    |
| 16 to 17 years .....           | 16.0    | 17.0    | 13.9    | 15.1    | 32.7    | 31.9    | 25.4            | 23.9    |
| 18 to 19 years .....           | 12.9    | 13.4    | 11.1    | 10.9    | 27.1    | 29.8    | 18.7            | 16.3    |
| 20 to 24 years .....           | 8.0     | 8.3     | 6.8     | 6.9     | 16.3    | 18.5    | 7.8             | 10.4    |
| 25 years and over .....        | 4.0     | 4.0     | 3.5     | 3.4     | 8.3     | 8.5     | 6.3             | 6.3     |
| 25 to 54 years .....           | 4.2     | 4.1     | 3.6     | 3.5     | 8.7     | 8.9     | 6.5             | 6.4     |
| 55 years and over .....        | 2.8     | 3.1     | 2.6     | 2.9     | 5.2     | 5.5     | 4.9             | 6.2     |
| Men, 16 years and over .....   | 5.1     | 5.1     | 4.5     | 4.4     | 10.8    | 11.5    | 7.3             | 7.9     |
| 16 to 19 years .....           | 15.5    | 16.4    | 13.4    | 14.2    | 31.6    | 31.0    | 21.6            | 22.0    |
| 16 to 17 years .....           | 18.1    | 19.4    | 15.8    | 17.4    | 35.0    | 34.0    | 31.9            | 26.1    |
| 18 to 19 years .....           | 13.7    | 14.6    | 11.7    | 12.2    | 29.4    | 29.4    | 17.5            | 20.0    |
| 20 to 24 years .....           | 8.3     | 8.9     | 7.3     | 7.3     | 15.4    | 19.8    | 7.2             | 10.0    |
| 25 years and over .....        | 4.0     | 3.8     | 3.5     | 3.3     | 8.2     | 8.4     | 6.0             | 6.2     |
| 25 to 54 years .....           | 4.1     | 3.9     | 3.7     | 3.4     | 8.4     | 8.6     | 6.1             | 6.1     |
| 55 years and over .....        | 3.1     | 3.4     | 2.7     | 3.1     | 7.3     | 7.0     | 5.8             | 7.4     |
| Women, 16 years and over ..... | 5.0     | 5.1     | 4.2     | 4.3     | 10.6    | 11.0    | 8.0             | 7.7     |
| 16 to 19 years .....           | 12.7    | 13.0    | 11.0    | 10.8    | 26.4    | 30.1    | 19.5            | 14.1    |
| 16 to 17 years .....           | 13.8    | 14.5    | 11.9    | 12.7    | 29.8    | 29.7    | 17.3            | 20.6    |
| 18 to 19 years .....           | 12.0    | 12.0    | 10.3    | 9.5     | 24.5    | 30.3    | 20.5            | 11.1    |
| 20 to 24 years .....           | 7.8     | 7.8     | 6.2     | 6.4     | 17.3    | 17.1    | 9.0             | 10.9    |
| 25 years and over .....        | 4.0     | 4.1     | 3.4     | 3.5     | 8.4     | 8.6     | 6.7             | 6.5     |
| 25 to 54 years .....           | 4.3     | 4.3     | 3.6     | 3.6     | 9.1     | 9.2     | 7.2             | 6.8     |
| 55 years and over .....        | 2.4     | 2.8     | 2.3     | 2.7     | 3.2     | 4.0     | 3.2             | 4.5     |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-64. Unemployed persons by duration of unemployment, race, and Hispanic origin**

(Numbers in thousands)

| Weeks of unemployment                   | Total      |            | White      |            | Black      |            | Hispanic origin |            |
|---|------------|------------|------------|------------|------------|------------|-----------------|------------|
|   | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988      | IV<br>1989 |
| <b>DURATION</b>                         |            |            |            |            |            |            |                 |            |
| Total, 16 years and over .....          | 6,216      | 6,339      | 4,604      | 4,614      | 1,430      | 1,524      | 691             | 739        |
| Less than 5 weeks .....                 | 2,946      | 3,116      | 2,230      | 2,326      | 631        | 685        | 352             | 407        |
| 5 to 14 weeks .....                     | 1,901      | 1,951      | 1,381      | 1,417      | 469        | 471        | 202             | 207        |
| 15 weeks and over .....                 | 1,370      | 1,273      | 994        | 871        | 329        | 368        | 137             | 125        |
| 15 to 26 weeks .....                    | 681        | 667        | 503        | 462        | 154        | 185        | 72              | 66         |
| 27 weeks and over .....                 | 689        | 606        | 490        | 409        | 176        | 183        | 64              | 59         |
| Average (mean) duration, in weeks ..... | 12.9       | 11.7       | 12.7       | 11.3       | 13.7       | 13.1       | 11.5            | 10.4       |
| Median duration, in weeks .....         | 5.5        | 4.7        | 5.3        | 4.5        | 6.2        | 5.7        | 4.9             | 4.1        |
| <b>PERCENT DISTRIBUTION</b>             |            |            |            |            |            |            |                 |            |
| Total unemployed .....                  | 100.0      | 100.0      | 100.0      | 100.0      | 100.0      | 100.0      | 100.0           | 100.0      |
| Less than 5 weeks .....                 | 47.4       | 49.1       | 48.4       | 50.4       | 44.2       | 44.9       | 50.9            | 55.1       |
| 5 to 14 weeks .....                     | 30.6       | 30.8       | 30.0       | 30.7       | 32.8       | 30.9       | 29.2            | 28.0       |
| 15 weeks and over .....                 | 22.0       | 20.1       | 21.6       | 18.9       | 23.0       | 24.2       | 19.8            | 16.9       |
| 15 to 26 weeks .....                    | 11.0       | 10.5       | 10.9       | 10.0       | 10.7       | 12.1       | 10.4            | 8.9        |
| 27 weeks and over .....                 | 11.1       | 9.6        | 10.6       | 8.9        | 12.3       | 12.0       | 9.3             | 6.0        |

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-65. Unemployed persons by reason for unemployment, race, and Hispanic origin**

(Numbers in thousands)

| Reasons for unemployment                                       | Total      |            | White      |            | Black      |            | Hispanic origin |            |
|--|------------|------------|------------|------------|------------|------------|-----------------|------------|
|  | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988 | IV<br>1989 | IV<br>1988      | IV<br>1989 |
| <b>NUMBER OF UNEMPLOYED</b>                                    |            |            |            |            |            |            |                 |            |
| Total, 16 years and over .....                                 | 6,216      | 6,339      | 4,604      | 4,614      | 1,430      | 1,524      | 691             | 739        |
| Job losers .....   | 2,876      | 2,940      | 2,174      | 2,211      | 629        | 659        | 328             | 386        |
| On layoff .....  | 771        | 855        | 626        | 709        | 126        | 126        | 78              | 96         |
| Other job losers .....   | 2,105      | 2,085      | 1,549      | 1,503      | 503        | 534        | 250             | 290        |
| Job leavers .....  | 976        | 1,022      | 774        | 798        | 174        | 185        | 107             | 108        |
| Reentrants .....   | 1,689      | 1,783      | 1,205      | 1,256      | 425        | 461        | 171             | 167        |
| New entrants .....   | 674        | 594        | 451        | 349        | 201        | 218        | 85              | 78         |
| <b>PERCENT DISTRIBUTION</b>                                    |            |            |            |            |            |            |                 |            |
| Total unemployed .....   | 100.0      | 100.0      | 100.0      | 100.0      | 100.0      | 100.0      | 100.0           | 100.0      |
| Job losers .....   | 46.3       | 46.4       | 47.2       | 47.9       | 44.0       | 43.3       | 47.5            | 52.3       |
| On layoff .....  | 12.4       | 13.5       | 13.6       | 15.4       | 8.8        | 8.2        | 11.3            | 13.1       |
| Other job losers .....   | 33.9       | 32.9       | 33.6       | 32.6       | 35.2       | 35.0       | 36.1            | 39.2       |
| Job leavers .....  | 15.7       | 16.1       | 16.8       | 17.3       | 12.2       | 12.2       | 15.5            | 14.7       |
| Reentrants .....   | 27.2       | 28.1       | 26.2       | 27.2       | 29.8       | 30.3       | 24.7            | 22.5       |
| New entrants .....   | 10.8       | 9.4        | 9.8        | 7.6        | 14.1       | 14.3       | 12.3            | 10.5       |
| <b>UNEMPLOYED AS A PERCENT OF THE<br/>CIVILIAN LABOR FORCE</b> |            |            |            |            |            |            |                 |            |
| Job losers .....   | 2.3        | 2.4        | 2.1        | 2.1        | 4.7        | 4.9        | 3.6             | 4.1        |
| Job leavers .....  | .8         | .8         | .7         | .7         | 1.3        | 1.4        | 1.2             | 1.2        |
| Reentrants .....   | 1.4        | 1.4        | 1.1        | 1.2        | 3.2        | 3.4        | 1.9             | 1.8        |
| New entrants .....   | .6         | .5         | .4         | .3         | 1.5        | 1.6        | .9              | .8         |

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.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-66. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

| Veteran status and age         | Civilian noninstitutional population |         | Civilian labor force |         |          |         |            |         |                        |         |
|--------------------------------|--------------------------------------|---------|----------------------|---------|----------|---------|------------|---------|------------------------|---------|
|                                | IV 1988                              | IV 1989 | Total                |         | Employed |         | Unemployed |         |                        |         |
|                                |                                      |         | IV 1988              | IV 1989 | IV 1988  | IV 1989 | Number     |         | Percent of labor force |         |
|                                |                                      |         |                      |         |          |         | IV 1988    | IV 1989 | IV 1988                | IV 1989 |
| <b>VIETNAM-ERA VETERANS</b>    |                                      |         |                      |         |          |         |            |         |                        |         |
| Total, 30 years and over ..... | 7,903                                | 7,928   | 7,297                | 7,244   | 7,027    | 6,956   | 270        | 289     | 3.7                    | 4.0     |
| 30 to 44 years .....           | 5,766                                | 5,329   | 5,482                | 5,047   | 5,280    | 4,854   | 202        | 194     | 3.7                    | 3.8     |
| 30 to 34 years .....           | 609                                  | 407     | 570                  | 370     | 532      | 352     | 38         | 18      | 6.7                    | 4.8     |
| 35 to 39 years .....           | 2,001                                | 1,615   | 1,914                | 1,519   | 1,839    | 1,461   | 75         | 58      | 3.9                    | 3.8     |
| 40 to 44 years .....           | 3,155                                | 3,307   | 2,998                | 3,158   | 2,909    | 3,040   | 89         | 118     | 3.0                    | 3.7     |
| 45 years and over .....        | 2,137                                | 2,599   | 1,815                | 2,197   | 1,747    | 2,102   | 68         | 95      | 3.8                    | 4.3     |
| <b>NONVETERANS</b>             |                                      |         |                      |         |          |         |            |         |                        |         |
| Total, 30 to 44 years .....    | 20,794                               | 21,912  | 19,700               | 20,793  | 18,936   | 20,033  | 765        | 760     | 3.9                    | 3.7     |
| 30 to 34 years .....           | 9,187                                | 9,435   | 8,746                | 8,993   | 8,379    | 8,647   | 367        | 346     | 4.2                    | 3.8     |
| 35 to 39 years .....           | 7,041                                | 7,604   | 6,663                | 7,223   | 6,414    | 6,952   | 249        | 271     | 3.7                    | 3.8     |
| 40 to 44 years .....           | 4,566                                | 4,872   | 4,291                | 4,577   | 4,142    | 4,434   | 149        | 143     | 3.5                    | 3.1     |

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**A-67. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin**

(Numbers in thousands)

| Employment status and age                  | Veterans |         |         |         |                  |                  | Nonveterans |         |         |         |                 |         |
|--|----------|---------|---------|---------|------------------|------------------|-------------|---------|---------|---------|-----------------|---------|
|  | White    |         | Black   |         | Hispanic origin  |                  | White       |         | Black   |         | Hispanic origin |         |
|  | IV 1988  | IV 1989 | IV 1988 | IV 1989 | IV 1988          | IV 1989          | IV 1988     | IV 1989 | IV 1988 | IV 1989 | IV 1988         | IV 1989 |
| <b>Total, 30 to 44 years</b>               |          |         |         |         |                  |                  |             |         |         |         |                 |         |
| Civilian noninstitutional population ..... | 5,067    | 4,720   | 604     | 520     | 209              | 186              | 17,889      | 18,759  | 2,069   | 2,246   | 1,976           | 2,062   |
| Civilian labor force .....                 | 4,857    | 4,511   | 532     | 454     | 202              | 174              | 17,147      | 17,990  | 1,826   | 1,981   | 1,886           | 1,935   |
| Employed .....                             | 4,706    | 4,351   | 486     | 422     | 196              | 161              | 16,554      | 17,429  | 1,681   | 1,809   | 1,789           | 1,813   |
| Unemployed .....                           | 151      | 160     | 46      | 32      | 6                | 13               | 593         | 560     | 145     | 172     | 97              | 122     |
| Unemployment rate .....                    | 3.1      | 3.5     | 8.7     | 6.9     | 2.9              | 7.5              | 3.5         | 3.1     | 8.0     | 8.7     | 5.2             | 6.3     |
| <b>30 to 34 years</b>                      |          |         |         |         |                  |                  |             |         |         |         |                 |         |
| Civilian noninstitutional population ..... | 482      | 327     | 120     | 75      | 39               | 23               | 948         | 8,079   | 923     | 1,001   | 858             | 896     |
| Civilian labor force .....                 | 459      | 305     | 104     | 61      | 39               | 18               | 643         | 7,787   | 829     | 896     | 823             | 850     |
| Employed .....                             | 439      | 294     | 87      | 55      | 39               | 16               | 363         | 7,527   | 753     | 823     | 782             | 786     |
| Unemployed .....                           | 20       | 11      | 17      | 6       | 1                | 2                | 280         | 260     | 76      | 73      | 41              | 64      |
| Unemployment rate .....                    | 4.3      | 3.6     | 16.3    | 9.8     | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 3.7         | 3.3     | 9.2     | 8.2     | 5.0             | 7.5     |
| <b>35 to 39 years</b>                      |          |         |         |         |                  |                  |             |         |         |         |                 |         |
| Civilian noninstitutional population ..... | 1,762    | 1,420   | 206     | 170     | 85               | 69               | 6,027       | 6,517   | 708     | 758     | 682             | 678     |
| Civilian labor force .....                 | 1,698    | 1,358   | 183     | 139     | 80               | 63               | 5,777       | 6,252   | 625     | 674     | 655             | 628     |
| Employed .....                             | 1,637    | 1,311   | 171     | 130     | 76               | 60               | 5,583       | 6,055   | 578     | 610     | 617             | 587     |
| Unemployed .....                           | 62       | 48      | 12      | 9       | 4                | 4                | 194         | 198     | 47      | 64      | 37              | 42      |
| Unemployment rate .....                    | 3.6      | 3.5     | 6.8     | 6.7     | 4.4              | 5.6              | 3.4         | 3.2     | 7.5     | 9.5     | 5.7             | 6.6     |
| <b>40 to 44 years</b>                      |          |         |         |         |                  |                  |             |         |         |         |                 |         |
| Civilian noninstitutional population ..... | 2,824    | 2,973   | 279     | 275     | 85               | 94               | 3,914       | 4,163   | 437     | 487     | 437             | 488     |
| Civilian labor force .....                 | 2,700    | 2,848   | 245     | 254     | 83               | 93               | 3,727       | 3,950   | 373     | 411     | 408             | 456     |
| Employed .....                             | 2,630    | 2,747   | 228     | 238     | 81               | 85               | 3,608       | 3,847   | 351     | 377     | 389             | 440     |
| Unemployed .....                           | 70       | 101     | 17      | 16      | 2                | 8                | 119         | 103     | 22      | 34      | 19              | 16      |
| Unemployment rate .....                    | 2.6      | 3.5     | 6.8     | 6.4     | 2.0              | 8.5              | 3.2         | 2.6     | 5.9     | 8.4     | 4.7             | 3.5     |

<sup>1</sup> Data not shown where base is less than 60,000.

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds

to the bulk of the Vietnam-era veteran population. Detail for the above race and Hispanic-origin groups will not be totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-68. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

| Type of family, race, and Hispanic origin | IV<br>1988     |                    |                                   |   |   | IV<br>1989     |                    |                                   |   |   |
|---|----------------|--------------------|-----------------------------------|---|---|----------------|--------------------|-----------------------------------|---|---|
|   | Total families | With unemployment: |                                   |   |   | Total families | With unemployment: |                                   |   |   |
|   |                | Total              | Percent of families:              |   |   |                | Total              | Percent of families:              |   |   |
|   |                |                    | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |                |                    | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |
| <b>TOTAL</b>                              |                |                    |                                   |   |   |                |                    |                                   |   |   |
| Total families .....                      | 64,674         | 4,664              | 29.7                              | 70.3  | 61.5  | 65,409         | 4,663              | 28.7                              | 71.3  | 64.3  |
| With children under 18 years of age ..... | 31,435         | 2,720              | 33.4                              | 66.6  | 58.2  | 31,866         | 2,635              | 32.7                              | 67.3  | 61.6  |
| Married-couple families .....             | 50,881         | 3,155              | 19.0                              | 81.0  | 72.2  | 51,402         | 3,174              | 17.7                              | 82.3  | 75.4  |
| With children under 18 years of age ..... | 23,899         | 1,903              | 18.8                              | 81.2  | 72.4  | 24,028         | 1,813              | 17.1                              | 82.9  | 76.9  |
| Families maintained by women .....        | 10,986         | 1,221              | 55.0                              | 45.0  | 35.6  | 11,167         | 1,231              | 54.8                              | 45.2  | 37.6  |
| With children under 18 years of age ..... | 6,431          | 711                | 68.5                              | 31.5  | 23.9  | 6,667          | 728                | 68.4                              | 31.6  | 26.9  |
| Families maintained by men .....          | 2,807          | 288                | 39.2                              | 60.8  | 53.8  | 2,841          | 257                | 40.9                              | 59.1  | 54.5  |
| With children under 18 years of age ..... | 1,104          | 106                | 60.4                              | 39.6  | 34.0  | 1,171          | 95                 | 57.9                              | 42.1  | 36.8  |
| <b>White</b>                              |                |                    |                                   |   |   |                |                    |                                   |   |   |
| Total families .....                      | 55,570         | 3,534              | 26.0                              | 74.0  | 65.1  | 56,028         | 3,450              | 24.5                              | 75.5  | 68.4  |
| With children under 18 years of age ..... | 26,266         | 2,015              | 27.8                              | 72.2  | 63.2  | 26,446         | 1,918              | 27.0                              | 73.0  | 67.1  |
| Married-couple families .....             | 45,928         | 2,639              | 18.8                              | 81.2  | 72.2  | 46,281         | 2,621              | 17.7                              | 82.3  | 75.3  |
| With children under 18 years of age ..... | 21,235         | 1,566              | 18.4                              | 81.6  | 72.5  | 21,220         | 1,479              | 17.3                              | 82.7  | 76.5  |
| Families maintained by women .....        | 7,503          | 697                | 50.5                              | 49.5  | 40.5  | 7,505          | 631                | 47.9                              | 52.1  | 43.6  |
| With children under 18 years of age ..... | 4,201          | 374                | 62.0                              | 38.0  | 29.1  | 4,296          | 364                | 59.9                              | 40.1  | 34.9  |
| Families maintained by men .....          | 2,140          | 199                | 35.2                              | 64.8  | 57.3  | 2,242          | 198                | 40.4                              | 59.6  | 56.1  |
| With children under 18 years of age ..... | 829            | 74                 | 54.1                              | 45.9  | 39.2  | 930            | 75                 | 58.7                              | 41.3  | 38.7  |
| <b>Black</b>                              |                |                    |                                   |   |   |                |                    |                                   |   |   |
| Total families .....                      | 7,233          | 1,002              | 41.8                              | 58.2  | 49.1  | 7,341          | 1,060              | 42.8                              | 57.2  | 50.3  |
| With children under 18 years of age ..... | 4,097          | 625                | 49.8                              | 50.2  | 43.0  | 4,212          | 621                | 51.0                              | 49.0  | 43.8  |
| Married-couple families .....             | 3,477          | 419                | 17.2                              | 82.8  | 74.2  | 3,559          | 434                | 16.8                              | 83.2  | 76.0  |
| With children under 18 years of age ..... | 1,795          | 272                | 16.6                              | 83.4  | 74.9  | 1,856          | 256                | 15.2                              | 84.8  | 78.9  |
| Families maintained by women .....        | 3,210          | 505                | 61.2                              | 38.8  | 29.1  | 3,321          | 577                | 62.0                              | 38.0  | 31.4  |
| With children under 18 years of age ..... | 2,070          | 325                | 75.7                              | 24.3  | 17.8  | 2,160          | 348                | 76.9                              | 23.1  | 18.7  |
| Families maintained by men .....          | 546            | 78                 | 47.4                              | 52.6  | 44.9  | 461            | 49                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |
| With children under 18 years of age ..... | 232            | 28                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      | 196            | 17                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |
| <b>Hispanic origin</b>                    |                |                    |                                   |   |   |                |                    |                                   |   |   |
| Total families .....                      | 4,765          | 525                | 32.0                              | 68.0  | 59.6  | 4,847          | 581                | 25.8                              | 74.2  | 67.6  |
| With children under 18 years of age ..... | 3,027          | 346                | 32.9                              | 67.1  | 57.1  | 3,071          | 378                | 30.7                              | 69.3  | 64.6  |
| Married-couple families .....             | 3,275          | 356                | 25.9                              | 74.1  | 65.6  | 3,376          | 413                | 18.6                              | 81.4  | 75.1  |
| With children under 18 years of age ..... | 2,141          | 255                | 22.7                              | 77.3  | 67.8  | 2,158          | 279                | 21.5                              | 78.5  | 73.8  |
| Families maintained by women .....        | 1,156          | 124                | 48.4                              | 51.6  | 40.3  | 1,129          | 127                | 48.8                              | 51.2  | 42.5  |
| With children under 18 years of age ..... | 767            | 78                 | 60.3                              | 39.7  | 28.2  | 780            | 88                 | 56.8                              | 43.2  | 37.5  |
| Families maintained by men .....          | 334            | 45                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      | 342            | 41                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |
| With children under 18 years of age ..... | 119            | 13                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      | 133            | 11                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |

<sup>1</sup> Data not shown where base is less than 60,000.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-69. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

| Family relationship, race, and Hispanic origin  | IV<br>1988 |                                   |   |   | IV<br>1989 |                                   |   |   |
|---|------------|-----------------------------------|---|---|------------|-----------------------------------|---|---|
|   | Total      | Percent of unemployed:            |   |   | Total      | Percent of unemployed:            |   |   |
|   |            | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |            | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |
| <b>TOTAL</b>                                    |            |                                   |   |   |            |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 5,063      | 32.2                              | 67.8  | 59.2  | 5,182      | 30.7                              | 69.3  | 62.4  |
| Husbands .....                                  | 1,177      | 38.3                              | 61.7  | 47.9  | 1,141      | 35.8                              | 64.4  | 52.2  |
| With children under 18 years of age .....       | 743        | 42.1                              | 57.9  | 42.0  | 662        | 41.9                              | 58.1  | 46.9  |
| Wives .....                                     | 996        | 18.5                              | 81.5  | 75.8  | 1,074      | 14.2                              | 85.8  | 61.0  |
| With children under 18 years of age .....       | 641        | 16.5                              | 83.5  | 78.6  | 687        | 11.0                              | 89.0  | 85.0  |
| Relatives in married-couple families .....      | 1,261      | 10.2                              | 89.8  | 83.6  | 1,270      | 9.4                               | 90.6  | 86.3  |
| Women who maintain families .....               | 533        | 86.1                              | 13.9  | 7.9   | 544        | 84.1                              | 15.9  | 10.2  |
| With children under 18 years of age .....       | 449        | 93.2                              | 6.8   | 2.8   | 452        | 92.7                              | 7.3   | 3.0   |
| Relatives in families maintained by women ..... | 793        | 35.6                              | 64.4  | 53.1  | 871        | 37.5                              | 62.5  | 54.0  |
| Men who maintain families .....                 | 126        | 67.0                              | 33.0  | 25.9  | 116        | 63.9                              | 36.1  | 31.0  |
| With children under 18 years of age .....       | 63         | 91.2                              | 8.8   | 3.8   | 58         | (?)                               | (?)   | (?)   |
| Relatives in families maintained by men .....   | 178        | 22.6                              | 77.4  | 70.9  | 167        | 30.8                              | 69.2  | 86.0  |
| <b>White</b>                                    |            |                                   |   |   |            |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 3,761      | 28.8                              | 71.2  | 62.6  | 3,738      | 26.5                              | 73.5  | 66.4  |
| Husbands .....                                  | 979        | 38.5                              | 61.5  | 47.3  | 956        | 35.8                              | 64.2  | 51.8  |
| With children under 18 years of age .....       | 602        | 43.0                              | 57.0  | 40.7  | 543        | 42.4                              | 57.6  | 45.5  |
| Wives .....                                     | 836        | 18.1                              | 81.9  | 75.9  | 897        | 14.0                              | 86.0  | 61.4  |
| With children under 18 years of age .....       | 524        | 15.8                              | 84.2  | 79.2  | 556        | 9.7                               | 90.3  | 86.9  |
| Relatives in married-couple families .....      | 1,025      | 10.1                              | 89.9  | 83.7  | 984        | 8.7                               | 91.3  | 86.9  |
| Women who maintain families .....               | 264        | 82.1                              | 17.9  | 10.9  | 250        | 78.1                              | 21.9  | 14.3  |
| With children under 18 years of age .....       | 219        | 90.4                              | 9.6   | 3.9   | 201        | 89.9                              | 10.1  | 4.8   |
| Relatives in families maintained by women ..... | 453        | 34.8                              | 65.2  | 56.6  | 434        | 34.0                              | 66.0  | 57.5  |
| Men who maintain families .....                 | 85         | 63.6                              | 36.4  | 25.9  | 89         | 65.1                              | 34.9  | 31.1  |
| With children under 18 years of age .....       | 41         | (?)                               | (?)   | (?)   | 45         | (?)                               | (?)   | (?)   |
| Relatives in families maintained by men .....   | 119        | 20.2                              | 79.8  | 75.6  | 126        | 27.1                              | 72.9  | 70.2  |
| <b>Black</b>                                    |            |                                   |   |   |            |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 1,164      | 42.6                              | 57.4  | 48.3  | 1,275      | 43.3                              | 56.7  | 49.8  |
| Husbands .....                                  | 166        | 35.5                              | 64.5  | 52.0  | 143        | 29.7                              | 70.3  | 58.0  |
| With children under 18 years of age .....       | 119        | 33.4                              | 66.6  | 52.0  | 91         | 34.7                              | 65.3  | 57.6  |
| Wives .....                                     | 127        | 20.9                              | 79.1  | 74.8  | 133        | 16.1                              | 83.9  | 77.8  |
| With children under 18 years of age .....       | 92         | 19.4                              | 80.6  | 75.8  | 99         | 17.3                              | 82.7  | 76.8  |
| Relatives in married-couple families .....      | 198        | 7.9                               | 92.1  | 85.1  | 236        | 12.5                              | 87.5  | 82.9  |
| Women who maintain families .....               | 259        | 90.0                              | 10.0  | 5.1   | 281        | 89.3                              | 10.7  | 6.8   |
| With children under 18 years of age .....       | 222        | 95.8                              | 4.2   | 1.8   | 240        | 94.6                              | 5.4   | 1.7   |
| Relatives in families maintained by women ..... | 329        | 37.1                              | 62.9  | 48.4  | 425        | 41.7                              | 58.3  | 49.8  |
| Men who maintain families .....                 | 36         | 73.4                              | 26.6  | 26.1  | 22         | (?)                               | (?)   | (?)   |
| With children under 18 years of age .....       | 20         | (?)                               | (?)   | (?)   | 11         | (?)                               | (?)   | (?)   |
| Relatives in families maintained by men .....   | 50         | (?)                               | (?)   | (?)   | 35         | (?)                               | (?)   | (?)   |
| <b>Hispanic origin</b>                          |            |                                   |   |   |            |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 585        | 34.4                              | 65.6  | 57.7  | 623        | 28.3                              | 71.7  | 64.6  |
| Husbands .....                                  | 144        | 51.0                              | 49.0  | 36.0  | 162        | 41.2                              | 58.8  | 51.0  |
| With children under 18 years of age .....       | 96         | 52.1                              | 47.9  | 33.5  | 114        | 49.2                              | 50.8  | 44.2  |
| Wives .....                                     | 105        | 31.1                              | 68.9  | 64.5  | 122        | 13.3                              | 86.7  | 80.6  |
| With children under 18 years of age .....       | 74         | 26.2                              | 73.8  | 87.6  | 85         | 10.6                              | 89.4  | 86.9  |
| Relatives in married-couple families .....      | 163        | 11.6                              | 88.4  | 83.4  | 163        | 7.6                               | 92.4  | 83.8  |
| Women who maintain families .....               | 48         | (?)                               | (?)   | (?)   | 46         | (?)                               | (?)   | (?)   |
| With children under 18 years of age .....       | 44         | (?)                               | (?)   | (?)   | 38         | (?)                               | (?)   | (?)   |
| Relatives in families maintained by women ..... | 78         | 25.9                              | 74.1  | 61.8  | 85         | 36.4                              | 63.6  | 56.2  |
| Men who maintain families .....                 | 22         | (?)                               | (?)   | (?)   | 20         | (?)                               | (?)   | (?)   |
| With children under 18 years of age .....       | 10         | (?)                               | (?)   | (?)   | 6          | (?)                               | (?)   | (?)   |
| Relatives in families maintained by men .....   | 25         | (?)                               | (?)   | (?)   | 25         | (?)                               | (?)   | (?)   |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in families where the husband, wife or, other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

<sup>2</sup> Data not shown where base is less than 60,000.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-70. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

| Family relationship, race, and Hispanic origin  | IV<br>1988 |   |  |  | IV<br>1989 |   |  |  |
|---|------------|---|--|--|------------|---|--|--|
|   | Total      | Percent of employed:                    |  |  | Total      | Percent of employed:                    |  |  |
|   |            | With no other employed person in family | With another employed person in family | With another person in family employed full time |            | With no other employed person in family | With another employed person in family | With another person in family employed full time |
| <b>TOTAL</b>                                    |            |   |  |  |            |   |  |  |
| Total employed in families <sup>1</sup> .....   | 93,520     | 21.9                                    | 78.1                                   | 66.4   | 94,676     | 21.9                                    | 78.1                                   | 67.6   |
| Husbands .....                                  | 38,598     | 28.3                                    | 71.7                                   | 52.6   | 39,068     | 27.8                                    | 72.2                                   | 54.6   |
| With children under 18 years of age .....       | 22,125     | 29.9                                    | 70.1                                   | 47.2   | 22,361     | 29.6                                    | 70.2                                   | 49.3   |
| Wives .....                                     | 28,408     | 8.3                                     | 91.7                                   | 86.8   | 29,094     | 8.2                                     | 91.8                                   | 87.7   |
| With children under 18 years of age .....       | 15,272     | 4.4                                     | 95.6                                   | 91.7   | 15,583     | 4.2                                     | 95.8                                   | 93.2   |
| Relatives in married-couple families .....      | 11,658     | 6.8                                     | 93.2                                   | 89.2   | 11,457     | 7.1                                     | 92.9                                   | 89.7   |
| Women who maintain families .....               | 6,379      | 61.6                                    | 38.4                                   | 24.8   | 6,420      | 63.3                                    | 36.7                                   | 24.8   |
| With children under 18 years of age .....       | 4,039      | 79.2                                    | 20.8                                   | 8.9  | 4,174      | 79.9                                    | 20.1                                   | 9.7  |
| Relatives in families maintained by women ..... | 4,845      | 22.9                                    | 77.1                                   | 67.1   | 4,913      | 24.6                                    | 75.4                                   | 67.5   |
| Men who maintain families .....                 | 2,037      | 53.0                                    | 47.0                                   | 35.2   | 2,118      | 54.3                                    | 45.7                                   | 35.2   |
| With children under 18 years of age .....       | 922        | 79.8                                    | 20.2                                   | 10.7   | 1,001      | 81.9                                    | 18.1                                   | 9.8  |
| Relatives in families maintained by men .....   | 1,595      | 19.1                                    | 80.9                                   | 74.3   | 1,605      | 16.4                                    | 83.6                                   | 77.9   |
| <b>White</b>                                    |            |   |  |  |            |   |  |  |
| Total employed in families <sup>1</sup> .....   | 81,382     | 21.2                                    | 78.8                                   | 66.6   | 82,245     | 21.2                                    | 78.8                                   | 67.9   |
| Husbands .....                                  | 34,941     | 28.6                                    | 71.4                                   | 51.6   | 35,268     | 28.3                                    | 71.7                                   | 53.4   |
| With children under 18 years of age .....       | 19,862     | 30.4                                    | 69.6                                   | 45.6   | 19,922     | 30.5                                    | 69.5                                   | 47.3   |
| Wives .....                                     | 25,351     | 7.9                                     | 92.1                                   | 87.2   | 25,914     | 7.8                                     | 92.2                                   | 88.2   |
| With children under 18 years of age .....       | 13,480     | 3.9                                     | 96.1                                   | 92.2   | 13,668     | 3.7                                     | 96.3                                   | 93.7   |
| Relatives in married-couple families .....      | 10,204     | 6.7                                     | 93.3                                   | 89.2   | 10,019     | 7.1                                     | 92.9                                   | 89.9   |
| Women who maintain families .....               | 4,515      | 59.0                                    | 41.0                                   | 25.5   | 4,512      | 61.3                                    | 38.7                                   | 25.6   |
| With children under 18 years of age .....       | 2,814      | 77.5                                    | 22.5                                   | 8.8  | 2,898      | 79.4                                    | 20.6                                   | 9.0  |
| Relatives in families maintained by women ..... | 3,522      | 23.3                                    | 76.7                                   | 68.0   | 3,522      | 24.8                                    | 75.2                                   | 67.1   |
| Men who maintain families .....                 | 1,593      | 51.3                                    | 48.7                                   | 35.7   | 1,707      | 53.2                                    | 46.8                                   | 35.5   |
| With children under 18 years of age .....       | 708        | 76.7                                    | 23.3                                   | 11.8   | 808        | 81.2                                    | 18.8                                   | 9.7  |
| Relatives in families maintained by men .....   | 1,256      | 19.5                                    | 80.5                                   | 74.0   | 1,302      | 15.4                                    | 84.8                                   | 78.9   |
| <b>Black</b>                                    |            |   |  |  |            |   |  |  |
| Total employed in families <sup>1</sup> .....   | 9,136      | 29.3                                    | 70.7                                   | 62.5   | 9,196      | 29.2                                    | 70.8                                   | 64.1   |
| Husbands .....                                  | 2,511      | 23.8                                    | 76.2                                   | 63.7   | 2,570      | 22.4                                    | 77.6                                   | 69.3   |
| With children under 18 years of age .....       | 1,532      | 22.9                                    | 77.1                                   | 63.8   | 1,626      | 22.0                                    | 78.0                                   | 69.6   |
| Wives .....                                     | 2,105      | 13.9                                    | 86.1                                   | 81.9   | 2,203      | 13.8                                    | 86.2                                   | 82.0   |
| With children under 18 years of age .....       | 1,233      | 10.1                                    | 89.9                                   | 86.8   | 1,307      | 8.5                                     | 91.5                                   | 88.8   |
| Relatives in married-couple families .....      | 989        | 8.3                                     | 91.7                                   | 87.2   | 953        | 9.0                                     | 91.0                                   | 86.9   |
| Women who maintain families .....               | 1,716      | 68.5                                    | 31.5                                   | 22.5   | 1,716      | 68.1                                    | 31.9                                   | 22.8   |
| With children under 18 years of age .....       | 1,147      | 82.5                                    | 17.5                                   | 9.3  | 1,160      | 80.6                                    | 19.4                                   | 11.6   |
| Relatives in families maintained by women ..... | 1,197      | 21.9                                    | 78.1                                   | 69.6   | 1,245      | 24.2                                    | 75.8                                   | 68.7   |
| Men who maintain families .....                 | 355        | 61.8                                    | 38.2                                   | 30.8   | 310        | 62.4                                    | 37.6                                   | 31.1   |
| With children under 18 years of age .....       | 186        | 89.7                                    | 10.3                                   | 7.2  | 159        | 84.9                                    | 15.1                                   | 9.1  |
| Relatives in families maintained by men .....   | 262        | 18.5                                    | 81.5                                   | 74.3   | 199        | 26.3                                    | 73.7                                   | 69.3   |
| <b>Hispanic origin</b>                          |            |   |  |  |            |   |  |  |
| Total employed in families <sup>1</sup> .....   | 6,883      | 24.9                                    | 75.1                                   | 65.2   | 6,991      | 25.6                                    | 74.4                                   | 67.1   |
| Husbands .....                                  | 2,682      | 35.9                                    | 64.1                                   | 50.0   | 2,719      | 35.5                                    | 64.5                                   | 53.0   |
| With children under 18 years of age .....       | 1,938      | 38.7                                    | 61.3                                   | 45.7   | 1,943      | 38.9                                    | 61.1                                   | 48.8   |
| Wives .....                                     | 1,650      | 6.8                                     | 93.2                                   | 87.9   | 1,872      | 9.6                                     | 90.4                                   | 86.6   |
| With children under 18 years of age .....       | 1,078      | 5.4                                     | 94.6                                   | 88.8   | 1,093      | 7.1                                     | 92.9                                   | 89.2   |
| Relatives in married-couple families .....      | 936        | 5.9                                     | 94.1                                   | 89.1   | 1,031      | 6.7                                     | 93.3                                   | 90.3   |
| Women who maintain families .....               | 634        | 59.1                                    | 40.9                                   | 30.3   | 560        | 63.6                                    | 36.4                                   | 29.5   |
| With children under 18 years of age .....       | 400        | 78.5                                    | 21.5                                   | 14.0   | 388        | 77.6                                    | 22.4                                   | 16.0   |
| Relatives in families maintained by women ..... | 457        | 16.9                                    | 83.1                                   | 68.8   | 448        | 22.2                                    | 77.8                                   | 70.1   |
| Men who maintain families .....                 | 272        | 40.5                                    | 59.5                                   | 50.8   | 281        | 41.3                                    | 58.7                                   | 52.5   |
| With children under 18 years of age .....       | 99         | 70.4                                    | 29.6                                   | 27.0   | 115        | 73.3                                    | 26.7                                   | 21.8   |
| Relatives in families maintained by men .....   | 252        | 8.2                                     | 91.8                                   | 86.7   | 279        | 8.2                                     | 91.8                                   | 86.7   |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-71. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin**

| Type of family, number of earners, race, and Hispanic origin | Number of families |          | Median weekly earnings |          |
|--|--------------------|----------|------------------------|----------|
|  | III 1988           | III 1989 | III 1988               | III 1989 |
| <b>TOTAL</b>   |                    |          |                        |          |
| Total families with earners <sup>1</sup> .....               | 43,242             | 43,748   | \$601                  | \$633    |
| Married-couple families .....                                | 34,143             | 34,394   | 674                    | 710      |
| One earner .....   | 12,463             | 12,208   | 420                    | 439      |
| Husband .....  | 9,619              | 9,376    | 487                    | 503      |
| Wife .....   | 2,006              | 2,066    | 240                    | 246      |
| Other family member .....                                    | 838                | 766      | 236                    | 264      |
| Two or more earners .....                                    | 21,680             | 22,186   | 826                    | 855      |
| Husband and wife .....                                       | 18,934             | 19,377   | 840                    | 868      |
| Husband and other family member(s) .....                     | 2,116              | 2,113    | 807                    | 826      |
| Wife and other family member(s) .....                        | 491                | 497      | 530                    | 533      |
| Other family members only .....                              | 139                | 200      | 498                    | 556      |
| Families maintained by women .....                           | 6,998              | 7,209    | 343                    | 360      |
| One earner .....   | 4,716              | 4,720    | 266                    | 274      |
| Householder .....  | 3,693              | 3,720    | 278                    | 279      |
| Other family member .....                                    | 1,023              | 1,000    | 221                    | 247      |
| Two or more earners .....                                    | 2,282              | 2,489    | 553                    | 583      |
| Families maintained by men .....                             | 2,101              | 2,145    | 499                    | 521      |
| One earner .....   | 1,191              | 1,214    | 374                    | 397      |
| Two or more earners .....                                    | 910                | 931      | 714                    | 706      |
| <b>White</b>   |                    |          |                        |          |
| Total families with earners <sup>1</sup> .....               | 36,896             | 37,159   | 620                    | 660      |
| Married-couple families .....                                | 30,365             | 30,397   | 683                    | 722      |
| One earner .....   | 11,206             | 10,887   | 431                    | 457      |
| Husband .....  | 8,725              | 8,481    | 494                    | 511      |
| Wife .....   | 1,737              | 1,763    | 241                    | 242      |
| Two or more earners .....                                    | 19,160             | 19,511   | 837                    | 866      |
| Husband and wife .....                                       | 16,728             | 17,046   | 851                    | 878      |
| Families maintained by women .....                           | 4,882              | 5,043    | 360                    | 374      |
| Families maintained by men .....                             | 1,649              | 1,719    | 500                    | 558      |
| <b>Black</b>   |                    |          |                        |          |
| Total families with earners <sup>1</sup> .....               | 5,142              | 5,149    | 445                    | 462      |
| Married-couple families .....                                | 2,799              | 2,838    | 577                    | 591      |
| One earner .....   | 882                | 933      | 297                    | 301      |
| Husband .....  | 581                | 595      | 378                    | 376      |
| Wife .....   | 211                | 232      | 220                    | 252      |
| Two or more earners .....                                    | 1,918              | 1,904    | 700                    | 732      |
| Husband and wife .....                                       | 1,662              | 1,665    | 711                    | 755      |
| Families maintained by women .....                           | 1,970              | 1,986    | 303                    | 317      |
| Families maintained by men .....                             | 372                | 325      | 452                    | 414      |
| <b>Hispanic origin</b>                                       |                    |          |                        |          |
| Total families with earners <sup>1</sup> .....               | 3,305              | 3,625    | 489                    | 510      |
| Married-couple families .....                                | 2,444              | 2,787    | 518                    | 541      |
| One earner .....   | 1,001              | 1,089    | 303                    | 307      |
| Husband .....  | 821                | 871      | 327                    | 341      |
| Wife .....   | 103                | 123      | 257                    | 202      |
| Two or more earners .....                                    | 1,444              | 1,698    | 682                    | 695      |
| Husband and wife .....                                       | 1,109              | 1,284    | 694                    | 705      |
| Families maintained by women .....                           | 614                | 539      | 295                    | 342      |
| Families maintained by men .....                             | 247                | 299      | 522                    | 514      |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-71. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin**

| Type of family, number of earners, race, and Hispanic origin | Number of families |         | Median weekly earnings |         |
|--|--------------------|---------|------------------------|---------|
|  | IV 1988            | IV 1989 | IV 1988                | IV 1989 |
| <b>TOTAL</b>   |                    |         |                        |         |
| Total families with earners <sup>1</sup> .....               | 42,845             | 43,906  | \$606                  | \$639   |
| Married-couple families .....                                | 33,519             | 34,341  | 684                    | 716     |
| One earner .....   | 11,901             | 11,826  | 426                    | 450     |
| Husband .....  | 8,938              | 8,782   | 500                    | 518     |
| Wife .....   | 2,307              | 2,269   | 243                    | 253     |
| Other family member .....                                    | 656                | 775     | 229                    | 280     |
| Two or more earners .....                                    | 21,618             | 22,516  | 820                    | 855     |
| Husband and wife .....                                       | 19,160             | 20,098  | 832                    | 869     |
| Husband and other family member(s) .....                     | 1,775              | 1,708   | 780                    | 813     |
| Wife and other family member(s) .....                        | 525                | 527     | 512                    | 526     |
| Other family members only .....                              | 159                | 183     | 492                    | 610     |
| Families maintained by women .....                           | 7,255              | 7,493   | 338                    | 348     |
| One earner .....   | 4,825              | 5,141   | 257                    | 275     |
| Householder .....  | 3,848              | 4,070   | 265                    | 287     |
| Other family member .....                                    | 977                | 1,071   | 222                    | 220     |
| Two or more earners .....                                    | 2,430              | 2,352   | 567                    | 566     |
| Families maintained by men .....                             | 2,070              | 2,071   | 479                    | 524     |
| One earner .....   | 1,290              | 1,241   | 362                    | 402     |
| Two or more earners .....                                    | 780                | 830     | 705                    | 782     |
| <b>White</b>   |                    |         |                        |         |
| Total families with earners <sup>1</sup> .....               | 36,453             | 37,229  | 630                    | 667     |
| Married-couple families .....                                | 29,791             | 30,388  | 695                    | 729     |
| One earner .....   | 10,617             | 10,547  | 447                    | 470     |
| Husband .....  | 8,141              | 7,991   | 509                    | 532     |
| Wife .....   | 1,913              | 1,869   | 250                    | 257     |
| Two or more earners .....                                    | 19,174             | 19,841  | 828                    | 867     |
| Husband and wife .....                                       | 17,049             | 17,758  | 840                    | 879     |
| Families maintained by women .....                           | 5,096              | 5,205   | 356                    | 369     |
| Families maintained by men .....                             | 1,566              | 1,636   | 491                    | 546     |
| <b>Black</b>   |                    |         |                        |         |
| Total families with earners <sup>1</sup> .....               | 5,144              | 5,213   | 440                    | 453     |
| Married-couple families .....                                | 2,755              | 2,840   | 572                    | 586     |
| One earner .....   | 903                | 927     | 265                    | 307     |
| Husband .....  | 515                | 537     | 339                    | 363     |
| Wife .....   | 312                | 327     | 205                    | 213     |
| Two or more earners .....                                    | 1,852              | 1,913   | 719                    | 729     |
| Husband and wife .....                                       | 1,607              | 1,688   | 735                    | 749     |
| Families maintained by women .....                           | 1,988              | 2,058   | 291                    | 293     |
| Families maintained by men .....                             | 401                | 315     | 444                    | 439     |
| <b>Hispanic origin</b>                                       |                    |         |                        |         |
| Total families with earners <sup>1</sup> .....               | 3,571              | 3,711   | 441                    | 481     |
| Married-couple families .....                                | 2,503              | 2,688   | 491                    | 533     |
| One earner .....   | 1,074              | 1,092   | 296                    | 321     |
| Husband .....  | 907                | 851     | 308                    | 347     |
| Wife .....   | 125                | 175     | 208                    | 248     |
| Two or more earners .....                                    | 1,429              | 1,596   | 691                    | 674     |
| Husband and wife .....                                       | 1,186              | 1,259   | 713                    | 682     |
| Families maintained by women .....                           | 788                | 727     | 294                    | 342     |
| Families maintained by men .....                             | 281                | 297     | 417                    | 472     |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-72. Families with unemployed members and wage and salary workers by type of family and median weekly earnings**

| Type of family and relationship<br>of unemployed members to wage<br>and salary earners | Number of families |             | Median weekly earnings |                  |
|--|--------------------|-------------|------------------------|------------------|
|  | III<br>1988        | III<br>1989 | III<br>1988            | III<br>1989      |
| Married-couple families <sup>1</sup> .....   | 2,450              | 2,657       | \$465                  | \$482            |
| Husband unemployed .....   | 655                | 661         | 292                    | 286              |
| Wife only earner .....   | 111                | 104         | 482                    | 510              |
| Wife and other earner(s) .....   | 42                 | 83          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other earner(s) only .....   | 42                 | 83          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Wife unemployed .....  | 916                | 989         | 453                    | 460              |
| Husband only earner .....  | 791                | 831         | 426                    | 434              |
| Husband and other earner(s) .....  | 106                | 140         | 672                    | 739              |
| Other earner(s) only .....   | 19                 | 18          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other member(s) unemployed .....   | 879                | 1,007       | 661                    | 723              |
| Husband or wife earner .....   | 330                | 366         | 492                    | 491              |
| Both husband and wife earners .....  | 505                | 604         | 872                    | 898              |
| Other combinations of earners .....  | 44                 | 36          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Families maintained by women <sup>1</sup> .....  | 608                | 577         | 292                    | 329              |
| Householder unemployed .....   | 61                 | 83          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other member(s) unemployed .....   | 547                | 494         | 305                    | 323              |
| Families maintained by men <sup>1</sup> .....  | 202                | 121         | 368                    | 391              |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or

in the Armed Forces.

<sup>2</sup> Data not shown where base is less than 100,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-72. Families with unemployed members and wage and salary workers by type of family and median weekly earnings**

| Type of family and relationship<br>of unemployed members to wage<br>and salary earners | Number of families |            | Median weekly earnings |                  |
|--|--------------------|------------|------------------------|------------------|
|  | IV<br>1988         | IV<br>1989 | IV<br>1988             | IV<br>1989       |
| Married-couple families <sup>1</sup> .....   | 2,210              | 2,363      | \$442                  | \$473            |
| Husband unemployed .....   | 757                | 747        | 253                    | 279              |
| Wife only earner .....   | 594                | 558        | 232                    | 245              |
| Wife and other earner(s) .....   | 94                 | 120        | ( <sup>2</sup> )       | 544              |
| Other earner(s) only .....   | 69                 | 69         | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Wife unemployed .....  | 708                | 840        | 468                    | 473              |
| Husband only earner .....  | 591                | 720        | 427                    | 430              |
| Husband and other earner(s) .....  | 107                | 111        | 649                    | 745              |
| Other earner(s) only .....   | 10                 | 8          | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other member(s) unemployed .....   | 745                | 776        | 672                    | 727              |
| Husband or wife earner .....   | 291                | 286        | 494                    | 518              |
| Both husband and wife earners .....  | 429                | 451        | 814                    | 872              |
| Other combinations of earners .....  | 24                 | 39         | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Families maintained by women <sup>1</sup> .....  | 540                | 521        | 254                    | 308              |
| Householder unemployed .....   | 83                 | 93         | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other member(s) unemployed .....   | 456                | 429        | 276                    | 335              |
| Families maintained by men <sup>1</sup> .....  | 159                | 117        | 296                    | 395              |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or

in the Armed Forces.

<sup>2</sup> Data not shown where base is less than 100,000.



**A-73. Median weekly earnings of full-time wage and salary workers by selected characteristics**

| Characteristic                        | Number of workers<br>(in thousands) |            | Median weekly earnings |            |
|---------------------------------------|-------------------------------------|------------|------------------------|------------|
|                                       | IV<br>1988                          | IV<br>1989 | IV<br>1988             | IV<br>1989 |
| <b>SEX AND AGE</b>                    |                                     |            |                        |            |
| Total, 16 years and over .....        | 82,964                              | 84,823     | \$392                  | \$408      |
| Men, 16 years and over .....          | 47,885                              | 48,871     | 458                    | 483        |
| 16 to 24 years .....                  | 6,310                               | 6,260      | 271                    | 278        |
| 25 years and over .....               | 41,575                              | 42,611     | 491                    | 511        |
| Women, 16 years and over .....        | 35,079                              | 35,952     | 320                    | 336        |
| 16 to 24 years .....                  | 5,191                               | 5,001      | 241                    | 248        |
| 25 years and over .....               | 29,888                              | 30,951     | 341                    | 358        |
| <b>FAMILY RELATIONSHIP</b>            |                                     |            |                        |            |
| Husbands .....                        | 30,951                              | 31,558     | 507                    | 523        |
| Wives .....                           | 18,176                              | 19,008     | 327                    | 348        |
| Women who maintain families .....     | 4,996                               | 5,160      | 312                    | 326        |
| Men who maintain families .....       | 1,614                               | 1,666      | 405                    | 450        |
| Other persons in families:            |                                     |            |                        |            |
| Men .....                             | 6,143                               | 6,191      | 284                    | 292        |
| Women .....                           | 4,247                               | 4,245      | 256                    | 262        |
| All other men <sup>1</sup> .....      | 9,176                               | 9,456      | 408                    | 435        |
| All other women <sup>1</sup> .....    | 7,662                               | 7,539      | 361                    | 370        |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b> |                                     |            |                        |            |
| White .....                           | 70,920                              | 72,229     | 402                    | 419        |
| Men .....                             | 41,580                              | 42,350     | 475                    | 495        |
| Women .....                           | 29,339                              | 29,879     | 323                    | 343        |
| Black .....                           | 9,474                               | 9,729      | 314                    | 322        |
| Men .....                             | 4,866                               | 4,917      | 342                    | 355        |
| Women .....                           | 4,608                               | 4,812      | 291                    | 301        |
| Hispanic origin .....                 | 6,632                               | 6,821      | 281                    | 304        |
| Men .....                             | 4,224                               | 4,303      | 299                    | 322        |
| Women .....                           | 2,408                               | 2,518      | 251                    | 271        |

<sup>1</sup> The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-74. Median weekly earnings of part-time wage and salary workers by selected characteristics**

| Characteristic                        | Number of workers<br>(in thousands) |            | Median weekly earnings |            |
|---------------------------------------|-------------------------------------|------------|------------------------|------------|
|                                       | IV<br>1988                          | IV<br>1989 | IV<br>1988             | IV<br>1989 |
| <b>SEX AND AGE</b>                    |                                     |            |                        |            |
| Total, 16 years and over .....        | 19,347                              | 19,309     | \$106                  | \$113      |
| Men, 16 years and over .....          | 6,036                               | 5,955      | 100                    | 106        |
| 16 to 24 years .....                  | 3,382                               | 3,264      | 80                     | 87         |
| 25 years and over .....               | 2,654                               | 2,691      | 137                    | 143        |
| Women, 16 years and over .....        | 13,311                              | 13,354     | 110                    | 116        |
| 16 to 24 years .....                  | 4,108                               | 4,018      | 74                     | 83         |
| 25 years and over .....               | 9,203                               | 9,335      | 130                    | 140        |
| <b>FAMILY RELATIONSHIP</b>            |                                     |            |                        |            |
| Husbands .....                        | 1,616                               | 1,639      | 138                    | 142        |
| Wives .....                           | 6,969                               | 7,037      | 136                    | 144        |
| Women who maintain families .....     | 1,085                               | 1,046      | 121                    | 127        |
| Men who maintain families .....       | 119                                 | 141        | 120                    | 150        |
| Other persons in families:            |                                     |            |                        |            |
| Men .....                             | 3,338                               | 3,098      | 81                     | 87         |
| Women .....                           | 3,445                               | 3,368      | 70                     | 79         |
| All other men <sup>1</sup> .....      | 963                                 | 1,077      | 129                    | 129        |
| All other women <sup>1</sup> .....    | 1,812                               | 1,903      | 104                    | 116        |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b> |                                     |            |                        |            |
| White .....                           | 16,879                              | 16,876     | 107                    | 114        |
| Men .....                             | 5,127                               | 5,060      | 99                     | 107        |
| Women .....                           | 11,752                              | 11,816     | 111                    | 118        |
| Black .....                           | 1,910                               | 1,784      | 99                     | 103        |
| Men .....                             | 686                                 | 657        | 98                     | 105        |
| Women .....                           | 1,224                               | 1,127      | 100                    | 102        |
| Hispanic origin .....                 | 1,096                               | 1,244      | 109                    | 115        |
| Men .....                             | 380                                 | 478        | 106                    | 117        |
| Women .....                           | 716                                 | 766        | 112                    | 113        |

<sup>1</sup> The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY DATA**

**A-75. Median weekly earnings of full-time wage and salary workers by occupation and sex**

| Occupation and sex  | Number of workers<br>(in thousands) |            | Median weekly earnings |                  |
|---|-------------------------------------|------------|------------------------|------------------|
|   | IV<br>1988                          | IV<br>1989 | IV<br>1988             | IV<br>1989       |
| <b>TOTAL</b>  |                                     |            |                        |                  |
| Managerial and professional specialty .....               | 22,215                              | 22,945     | \$559                  | \$595            |
| Executive, administrative, and managerial .....           | 10,849                              | 11,434     | 556                    | 595              |
| Professional specialty .....                              | 11,365                              | 11,511     | 561                    | 594              |
| Technical, sales, and administrative support .....        | 24,735                              | 25,425     | 358                    | 368              |
| Technicians and related support .....                     | 2,918                               | 2,997      | 458                    | 485              |
| Sales occupations .....                                   | 7,827                               | 8,102      | 404                    | 393              |
| Administrative support, including clerical .....          | 13,991                              | 14,327     | 323                    | 340              |
| Service occupations .....                                 | 8,833                               | 8,735      | 246                    | 262              |
| Private household .....                                   | 309                                 | 272        | 153                    | 158              |
| Protective service .....                                  | 1,839                               | 1,727      | 417                    | 463              |
| Service, except private household and protective .....    | 6,685                               | 6,735      | 225                    | 240              |
| Precision production, craft, and repair .....             | 10,973                              | 11,293     | 437                    | 466              |
| Mechanics and repairers .....                             | 3,749                               | 3,851      | 442                    | 471              |
| Construction trades .....                                 | 3,697                               | 3,810      | 432                    | 462              |
| Other precision production, craft, and repair .....       | 3,527                               | 3,632      | 436                    | 466              |
| Operators, fabricators, and laborers .....                | 14,901                              | 15,151     | 316                    | 336              |
| Machine operators, assemblers, and inspectors .....       | 7,587                               | 7,401      | 302                    | 323              |
| Transportation and material moving occupations .....      | 3,857                               | 4,090      | 394                    | 412              |
| Handlers, equipment cleaners, helpers, and laborers ..... | 3,457                               | 3,661      | 289                    | 295              |
| Farming, forestry, and fishing .....                      | 1,307                               | 1,274      | 238                    | 246              |
| <b>Men</b>  |                                     |            |                        |                  |
| Managerial and professional specialty .....               | 12,086                              | 12,419     | 674                    | 717              |
| Executive, administrative, and managerial .....           | 6,302                               | 6,653      | 686                    | 737              |
| Professional specialty .....                              | 5,783                               | 5,766      | 661                    | 696              |
| Technical, sales, and administrative support .....        | 9,201                               | 9,416      | 481                    | 489              |
| Technicians and related support .....                     | 1,604                               | 1,660      | 512                    | 549              |
| Sales occupations .....                                   | 4,575                               | 4,614      | 507                    | 491              |
| Administrative support, including clerical .....          | 3,021                               | 3,141      | 418                    | 439              |
| Service occupations .....                                 | 4,317                               | 4,204      | 298                    | 322              |
| Private household .....                                   | 0                                   | 9          | ( <sup>1</sup> )       | ( <sup>1</sup> ) |
| Protective service .....                                  | 1,594                               | 1,494      | 423                    | 468              |
| Service, except private household and protective .....    | 2,723                               | 2,701      | 255                    | 274              |
| Precision production, craft, and repair .....             | 10,116                              | 10,378     | 453                    | 480              |
| Mechanics and repairers .....                             | 3,612                               | 3,674      | 447                    | 475              |
| Construction trades .....                                 | 3,628                               | 3,743      | 434                    | 465              |
| Other precision production, craft, and repair .....       | 2,876                               | 2,960      | 476                    | 498              |
| Operators, fabricators, and laborers .....                | 11,023                              | 11,340     | 358                    | 378              |
| Machine operators, assemblers, and inspectors .....       | 4,554                               | 4,487      | 367                    | 393              |
| Transportation and material moving occupations .....      | 3,647                               | 3,887      | 399                    | 417              |
| Handlers, equipment cleaners, helpers, and laborers ..... | 2,822                               | 2,965      | 297                    | 304              |
| Farming, forestry, and fishing .....                      | 1,143                               | 1,114      | 245                    | 258              |
| <b>Women</b>  |                                     |            |                        |                  |
| Managerial and professional specialty .....               | 10,129                              | 10,526     | 476                    | 491              |
| Executive, administrative, and managerial .....           | 4,547                               | 4,781      | 442                    | 460              |
| Professional specialty .....                              | 5,582                               | 5,745      | 493                    | 509              |
| Technical, sales, and administrative support .....        | 15,535                              | 16,010     | 310                    | 323              |
| Technicians and related support .....                     | 1,313                               | 1,337      | 405                    | 415              |
| Sales occupations .....                                   | 3,252                               | 3,487      | 264                    | 287              |
| Administrative support, including clerical .....          | 10,970                              | 11,186     | 310                    | 322              |
| Service occupations .....                                 | 4,516                               | 4,531      | 211                    | 222              |
| Private household .....                                   | 309                                 | 263        | 153                    | 158              |
| Protective service .....                                  | 245                                 | 233        | 364                    | 442              |
| Service, except private household and protective .....    | 3,962                               | 4,034      | 212                    | 223              |
| Precision production, craft, and repair .....             | 857                                 | 915        | 277                    | 313              |
| Mechanics and repairers .....                             | 137                                 | 176        | 347                    | 396              |
| Construction trades .....                                 | 69                                  | 67         | ( <sup>1</sup> )       | ( <sup>1</sup> ) |
| Other precision production, craft, and repair .....       | 651                                 | 672        | 267                    | 297              |
| Operators, fabricators, and laborers .....                | 3,878                               | 3,811      | 242                    | 256              |
| Machine operators, assemblers, and inspectors .....       | 3,033                               | 2,914      | 238                    | 253              |
| Transportation and material moving occupations .....      | 210                                 | 202        | 293                    | 307              |
| Handlers, equipment cleaners, helpers, and laborers ..... | 635                                 | 695        | 244                    | 257              |
| Farming, forestry, and fishing .....                      | 164                                 | 160        | 204                    | 207              |

<sup>1</sup> Data not shown where base is less than 100,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-76. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin**

(Numbers in thousands)

| Employment status, sex, age, race, and Hispanic origin | Total United States |         | Metropolitan areas |         |                |         |         |         |
|--|---------------------|---------|--------------------|---------|----------------|---------|---------|---------|
|  | IV 1988             | IV 1989 | Total              |         | Central cities |         | Suburbs |         |
|  |                     |         | IV 1988            | IV 1989 | IV 1988        | IV 1989 | IV 1988 | IV 1989 |
| <b>TOTAL</b>   |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 185,253             | 187,018 | 144,625            | 145,371 | 57,260         | 57,024  | 87,364  | 88,347  |
| Civilian labor force .....                             | 122,397             | 124,359 | 96,886             | 98,191  | 37,256         | 37,078  | 59,630  | 61,113  |
| Percent of population .....                            | 66.1                | 66.5    | 67.0               | 67.5    | 65.1           | 65.0    | 68.3    | 69.2    |
| Employed .....   | 116,181             | 118,020 | 92,139             | 93,242  | 34,939         | 34,713  | 57,200  | 58,529  |
| Unemployed .....                                       | 6,216               | 6,339   | 4,748              | 4,949   | 2,317          | 2,365   | 2,431   | 2,584   |
| Unemployment rate .....                                | 5.1                 | 5.1     | 4.9                | 5.0     | 6.2            | 6.4     | 4.1     | 4.2     |
| Not in labor force .....                               | 62,856              | 62,658  | 47,738             | 47,180  | 20,004         | 19,946  | 27,734  | 27,233  |
| <b>Men, 20 years and over</b>                          |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 80,925              | 81,976  | 63,199             | 63,841  | 24,461         | 24,514  | 38,737  | 39,327  |
| Civilian labor force .....                             | 62,937              | 63,902  | 49,783             | 50,462  | 18,719         | 18,709  | 31,063  | 31,753  |
| Percent of population .....                            | 77.8                | 78.0    | 78.8               | 79.0    | 76.5           | 76.3    | 80.2    | 80.7    |
| Employed .....   | 60,121              | 61,087  | 47,641             | 48,267  | 17,655         | 17,624  | 29,986  | 30,643  |
| Unemployed .....                                       | 2,816               | 2,815   | 2,142              | 2,195   | 1,064          | 1,085   | 1,078   | 1,110   |
| Unemployment rate .....                                | 4.5                 | 4.4     | 4.3                | 4.3     | 5.7            | 5.8     | 3.5     | 3.5     |
| Not in labor force .....                               | 17,988              | 18,074  | 13,416             | 13,379  | 5,742          | 5,805   | 7,674   | 7,574   |
| <b>Women, 20 years and over</b>                        |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 89,883              | 90,952  | 70,236             | 70,778  | 28,501         | 28,332  | 41,735  | 42,446  |
| Civilian labor force .....                             | 51,899              | 52,906  | 41,221             | 41,960  | 16,386         | 16,276  | 24,835  | 25,684  |
| Percent of population .....                            | 57.7                | 58.2    | 58.7               | 59.3    | 57.5           | 57.4    | 59.5    | 60.5    |
| Employed .....   | 49,567              | 50,497  | 39,413             | 40,050  | 15,517         | 15,391  | 23,896  | 24,659  |
| Unemployed .....                                       | 2,332               | 2,408   | 1,808              | 1,910   | 869            | 885     | 939     | 1,025   |
| Unemployment rate .....                                | 4.5                 | 4.6     | 4.4                | 4.6     | 5.3            | 5.4     | 3.8     | 4.0     |
| Not in labor force .....                               | 37,984              | 38,046  | 29,015             | 28,818  | 12,115         | 12,056  | 16,900  | 16,762  |
| <b>Both sexes, 16 to 19 years</b>                      |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 14,445              | 14,090  | 11,190             | 10,753  | 4,298          | 4,179   | 6,892   | 6,574   |
| Civilian labor force .....                             | 7,561               | 7,551   | 5,883              | 5,770   | 2,151          | 2,093   | 3,732   | 3,677   |
| Percent of population .....                            | 52.3                | 53.6    | 52.6               | 53.7    | 50.0           | 50.1    | 54.2    | 55.9    |
| Employed .....   | 6,492               | 6,435   | 5,085              | 4,926   | 1,767          | 1,699   | 3,318   | 3,227   |
| Unemployed .....                                       | 1,069               | 1,116   | 798                | 844     | 384            | 394     | 414     | 450     |
| Unemployment rate .....                                | 14.1                | 14.8    | 13.6               | 14.6    | 17.8           | 18.8    | 11.1    | 12.2    |
| Not in labor force .....                               | 6,884               | 6,539   | 5,307              | 4,983   | 2,147          | 2,086   | 3,160   | 2,897   |
| <b>White</b>   |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 158,611             | 159,738 | 122,231            | 122,437 | 42,918         | 42,292  | 79,314  | 80,145  |
| Civilian labor force .....                             | 105,259             | 106,698 | 82,208             | 83,043  | 28,185         | 27,850  | 54,023  | 55,193  |
| Percent of population .....                            | 66.4                | 66.8    | 67.3               | 67.8    | 65.7           | 65.9    | 68.1    | 68.9    |
| Employed .....   | 100,655             | 102,084 | 78,816             | 79,568  | 26,796         | 26,523  | 52,020  | 53,046  |
| Unemployed .....                                       | 4,604               | 4,614   | 3,392              | 3,474   | 1,389          | 1,327   | 2,003   | 2,147   |
| Unemployment rate .....                                | 4.4                 | 4.3     | 4.1                | 4.2     | 4.9            | 4.8     | 3.7     | 3.9     |
| Not in labor force .....                               | 53,352              | 53,040  | 40,023             | 39,394  | 14,733         | 14,442  | 25,290  | 24,952  |
| <b>Black</b>   |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 20,813              | 21,136  | 17,269             | 17,563  | 11,766         | 11,965  | 5,503   | 5,578   |
| Civilian labor force .....                             | 13,341              | 13,535  | 11,291             | 11,476  | 7,420          | 7,455   | 3,871   | 4,021   |
| Percent of population .....                            | 64.1                | 64.0    | 65.4               | 65.3    | 63.1           | 62.2    | 70.3    | 72.1    |
| Employed .....   | 11,911              | 12,011  | 10,080             | 10,166  | 6,569          | 6,501   | 3,511   | 3,664   |
| Unemployed .....                                       | 1,430               | 1,524   | 1,211              | 1,310   | 851            | 953     | 360     | 357     |
| Unemployment rate .....                                | 10.7                | 11.3    | 10.7               | 11.4    | 11.5           | 12.8    | 9.3     | 8.9     |
| Not in labor force .....                               | 7,472               | 7,601   | 5,979              | 6,087   | 4,347          | 4,530   | 1,632   | 1,556   |
| <b>Hispanic origin</b>                                 |                     |         |                    |         |                |         |         |         |
| Civilian noninstitutional population .....             | 13,495              | 13,977  | 12,464             | 13,012  | 7,064          | 7,198   | 5,400   | 5,815   |
| Civilian labor force .....                             | 9,121               | 9,405   | 8,408              | 8,755   | 4,622          | 4,816   | 3,787   | 4,139   |
| Percent of population .....                            | 67.6                | 67.3    | 67.5               | 67.3    | 65.4           | 64.1    | 70.1    | 71.2    |
| Employed .....   | 8,431               | 8,667   | 7,796              | 8,063   | 4,227          | 4,224   | 3,569   | 3,839   |
| Unemployed .....                                       | 691                 | 739     | 613                | 692     | 395            | 392     | 218     | 301     |
| Unemployment rate .....                                | 7.6                 | 7.9     | 7.3                | 7.9     | 8.6            | 8.5     | 5.7     | 7.3     |
| Not in labor force .....                               | 4,374               | 4,572   | 4,056              | 4,258   | 2,442          | 2,582   | 1,614   | 1,676   |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-76. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Employment status, sex, age, race, and Hispanic origin | Nonmetropolitan areas |            |                  |                  |            |            | Urban areas |            | Rural areas |            |
|--|-----------------------|------------|------------------|------------------|------------|------------|-------------|------------|-------------|------------|
|  | Total                 |            | Farm             |                  | Nonfarm    |            | IV<br>1988  | IV<br>1989 | IV<br>1988  | IV<br>1989 |
|  | IV<br>1988            | IV<br>1989 | IV<br>1988       | IV<br>1989       | IV<br>1988 | IV<br>1989 |             |            |             |            |
| <b>TOTAL</b>   |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 40,629                | 41,646     | 2,754            | 2,755            | 37,875     | 38,892     | 136,175     | 136,867    | 49,079      | 50,150     |
| Civilian labor force .....                             | 25,510                | 26,168     | 1,971            | 1,957            | 23,539     | 24,211     | 90,407      | 91,459     | 31,990      | 32,900     |
| Percent of population .....                            | 62.8                  | 62.8       | 71.6             | 71.0             | 62.2       | 62.3       | 66.4        | 66.8       | 65.2        | 65.6       |
| Employed .....   | 24,042                | 24,778     | 1,930            | 1,918            | 22,112     | 22,860     | 85,761      | 86,663     | 30,420      | 31,357     |
| Unemployed .....                                       | 1,469                 | 1,390      | 41               | 39               | 1,428      | 1,351      | 4,647       | 4,796      | 1,570       | 1,543      |
| Unemployment rate .....                                | 5.8                   | 5.3        | 2.1              | 2.0              | 6.1        | 5.6        | 5.1         | 5.2        | 4.9         | 4.7        |
| Not in labor force .....                               | 15,118                | 15,479     | 783              | 798              | 14,335     | 14,681     | 45,768      | 45,408     | 17,089      | 17,250     |
| <b>Men, 20 years and over</b>                          |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 17,718                | 18,135     | 1,321            | 1,335            | 16,397     | 16,800     | 58,906      | 59,245     | 22,010      | 22,731     |
| Civilian labor force .....                             | 13,152                | 13,441     | 1,107            | 1,125            | 12,045     | 12,315     | 46,025      | 46,397     | 16,910      | 17,505     |
| Percent of population .....                            | 74.2                  | 74.1       | 83.8             | 84.3             | 73.5       | 73.3       | 78.1        | 78.3       | 76.8        | 77.0       |
| Employed .....   | 12,478                | 12,821     | 1,090            | 1,112            | 11,389     | 11,708     | 43,925      | 44,284     | 16,194      | 16,803     |
| Unemployed .....                                       | 674                   | 620        | 17               | 13               | 656        | 607        | 2,100       | 2,113      | 716         | 702        |
| Unemployment rate .....                                | 5.1                   | 4.6        | 1.6              | 1.2              | 5.4        | 4.9        | 4.6         | 4.6        | 4.2         | 4.0        |
| Not in labor force .....                               | 4,566                 | 4,695      | 214              | 210              | 4,352      | 4,484      | 12,881      | 12,848     | 5,100       | 5,225      |
| <b>Women, 20 years and over</b>                        |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 19,656                | 20,174     | 1,209            | 1,202            | 18,447     | 18,972     | 66,914      | 67,444     | 22,978      | 23,507     |
| Civilian labor force .....                             | 10,680                | 10,946     | 731              | 717              | 9,949      | 10,229     | 38,956      | 39,599     | 12,945      | 13,306     |
| Percent of population .....                            | 54.3                  | 54.3       | 60.5             | 59.6             | 53.9       | 53.9       | 58.2        | 58.7       | 56.3        | 56.6       |
| Employed .....   | 10,156                | 10,447     | 719              | 698              | 9,437      | 9,749      | 37,207      | 37,760     | 12,362      | 12,737     |
| Unemployed .....                                       | 524                   | 498        | 12               | 19               | 512        | 480        | 1,749       | 1,839      | 583         | 569        |
| Unemployment rate .....                                | 4.9                   | 4.6        | 1.7              | 2.6              | 5.1        | 4.7        | 4.5         | 4.6        | 4.5         | 4.3        |
| Not in labor force .....                               | 8,976                 | 9,228      | 478              | 485              | 8,498      | 8,743      | 27,958      | 27,845     | 10,033      | 10,201     |
| <b>Both sexes, 16 to 19 years</b>                      |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 3,255                 | 3,337      | 225              | 217              | 3,031      | 3,120      | 10,355      | 10,178     | 4,090       | 3,912      |
| Civilian labor force .....                             | 1,678                 | 1,782      | 133              | 115              | 1,545      | 1,666      | 5,426       | 5,462      | 2,135       | 2,089      |
| Percent of population .....                            | 51.6                  | 53.4       | 59.2             | 53.0             | 51.0       | 53.4       | 52.4        | 53.7       | 52.2        | 53.4       |
| Employed .....   | 1,407                 | 1,510      | 121              | 108              | 1,286      | 1,402      | 4,628       | 4,618      | 1,864       | 1,817      |
| Unemployed .....                                       | 271                   | 272        | 12               | 8                | 259        | 264        | 798         | 844        | 271         | 272        |
| Unemployment rate .....                                | 16.1                  | 15.3       | 8.7              | 6.5              | 16.8       | 15.9       | 14.7        | 15.5       | 12.7        | 13.0       |
| Not in labor force .....                               | 1,577                 | 1,556      | 92               | 102              | 1,485      | 1,454      | 4,929       | 4,716      | 1,955       | 1,823      |
| <b>White</b>   |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 36,379                | 37,301     | 2,685            | 2,687            | 33,695     | 34,614     | 113,167     | 113,376    | 45,444      | 46,362     |
| Civilian labor force .....                             | 23,051                | 23,655     | 1,926            | 1,914            | 21,125     | 21,741     | 75,428      | 76,111     | 29,831      | 30,586     |
| Percent of population .....                            | 63.4                  | 63.4       | 71.7             | 71.2             | 62.7       | 62.8       | 66.7        | 67.1       | 65.6        | 66.0       |
| Employed .....   | 21,839                | 22,515     | 1,889            | 1,879            | 19,950     | 20,636     | 72,194      | 72,845     | 28,461      | 29,238     |
| Unemployed .....                                       | 1,212                 | 1,140      | 37               | 35               | 1,175      | 1,105      | 3,234       | 3,266      | 1,370       | 1,348      |
| Unemployment rate .....                                | 5.3                   | 4.8        | 1.9              | 1.8              | 5.6        | 5.1        | 4.3         | 4.3        | 4.6         | 4.4        |
| Not in labor force .....                               | 13,329                | 13,646     | 759              | 773              | 12,570     | 12,873     | 37,739      | 37,265     | 15,613      | 15,775     |
| <b>Black</b>   |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 3,543                 | 3,573      | 56               | 50               | 3,487      | 3,524      | 17,900      | 18,150     | 2,913       | 2,986      |
| Civilian labor force .....                             | 2,050                 | 2,059      | 36               | 29               | 2,014      | 2,030      | 11,609      | 11,737     | 1,733       | 1,797      |
| Percent of population .....                            | 57.9                  | 57.6       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 57.8       | 57.6       | 64.9        | 64.7       | 59.5        | 60.2       |
| Employed .....   | 1,832                 | 1,845      | 34               | 26               | 1,798      | 1,819      | 10,347      | 10,370     | 1,564       | 1,641      |
| Unemployed .....                                       | 219                   | 214        | 3                | 3                | 216        | 210        | 1,262       | 1,367      | 168         | 157        |
| Unemployment rate .....                                | 10.7                  | 10.4       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 10.7       | 10.4       | 10.9        | 11.7       | 9.7         | 8.7        |
| Not in labor force .....                               | 1,493                 | 1,515      | 20               | 20               | 1,473      | 1,494      | 6,291       | 6,413      | 1,181       | 1,188      |
| <b>Hispanic origin</b>                                 |                       |            |                  |                  |            |            |             |            |             |            |
| Civilian noninstitutional population .....             | 1,031                 | 965        | 35               | 43               | 996        | 922        | 12,336      | 12,730     | 1,160       | 1,248      |
| Civilian labor force .....                             | 713                   | 651        | 23               | 33               | 689        | 617        | 8,366       | 8,560      | 755         | 846        |
| Percent of population .....                            | 69.1                  | 67.4       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 69.2       | 67.0       | 67.8        | 67.2       | 65.1        | 67.8       |
| Employed .....   | 635                   | 604        | 18               | 33               | 617        | 571        | 7,744       | 7,897      | 687         | 770        |
| Unemployed .....                                       | 78                    | 46         | 6                | -                | 72         | 46         | 622         | 663        | 69          | 76         |
| Unemployment rate .....                                | 10.9                  | 7.1        | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 10.5       | 7.5        | 7.4         | 7.7        | 9.1         | 8.9        |
| Not in labor force .....                               | 318                   | 314        | 12               | 10               | 306        | 304        | 3,970       | 4,170      | 404         | 402        |

<sup>1</sup> Data not shown where base is less than 60,000.

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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-77. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin**

(Numbers in thousands)

| Employment status, race, and Hispanic origin | Total United States |         |                  |         | Metropolitan areas |         |                  |         | Nonmetropolitan areas |                  |                  |                  |
|--|---------------------|---------|------------------|---------|--------------------|---------|------------------|---------|-----------------------|------------------|------------------|------------------|
|  | Poverty areas       |         | Nonpoverty areas |         | Poverty areas      |         | Nonpoverty areas |         | Poverty areas         |                  | Nonpoverty areas |                  |
|  | IV 1988             | IV 1989 | IV 1988          | IV 1989 | IV 1988            | IV 1989 | IV 1988          | IV 1989 | IV 1988               | IV 1989          | IV 1988          | IV 1989          |
| <b>TOTAL</b>                                 |                     |         |                  |         |                    |         |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 27,570              | 27,330  | 157,683          | 159,688 | 18,343             | 17,850  | 126,281          | 127,521 | 9,227                 | 9,480            | 31,402           | 32,167           |
| Civilian labor force .....                   | 16,016              | 15,729  | 106,381          | 108,630 | 10,649             | 10,235  | 86,238           | 87,957  | 5,367                 | 5,495            | 20,143           | 20,673           |
| Percent of population .....                  | 58.1                | 57.6    | 67.5             | 68.0    | 58.1               | 57.3    | 68.3             | 69.0    | 58.2                  | 58.0             | 64.1             | 64.3             |
| Employed .....                               | 14,500              | 14,181  | 101,680          | 103,839 | 9,582              | 9,065   | 82,557           | 84,177  | 4,918                 | 5,116            | 19,123           | 19,662           |
| Unemployed .....                             | 1,515               | 1,549   | 4,701            | 4,791   | 1,067              | 1,170   | 3,681            | 3,779   | 449                   | 379              | 1,020            | 1,011            |
| Unemployment rate .....                      | 9.5                 | 9.8     | 4.4              | 4.4     | 10.0               | 11.4    | 4.3              | 4.3     | 8.4                   | 6.9              | 5.1              | 4.9              |
| Men, 20 years and over .....                 | 8.5                 | 9.1     | 3.9              | 3.7     | 9.1                | 10.7    | 3.7              | 3.6     | 7.2                   | 6.1              | 4.6              | 4.2              |
| Women, 20 years and over .....               | 8.3                 | 8.2     | 3.9              | 4.0     | 8.7                | 9.3     | 3.8              | 4.0     | 7.5                   | 6.0              | 4.2              | 4.2              |
| Both sexes, 16 to 19 years .....             | 24.7                | 25.8    | 12.5             | 12.9    | 25.5               | 30.8    | 12.0             | 12.5    | 23.2                  | 17.7             | 14.3             | 14.5             |
| Men .....                                    | 23.8                | 27.4    | 14.0             | 14.6    | 24.4               | 33.0    | 13.8             | 14.4    | 22.6                  | 18.4             | 14.8             | 15.3             |
| Women .....                                  | 25.9                | 24.1    | 10.9             | 11.1    | 26.8               | 28.4    | 10.2             | 10.5    | 24.0                  | 16.9             | 13.8             | 13.6             |
| Not in labor force .....                     | 11,554              | 11,600  | 51,302           | 51,058  | 7,695              | 7,615   | 40,043           | 39,565  | 3,860                 | 3,985            | 11,259           | 11,493           |
| <b>White</b>                                 |                     |         |                  |         |                    |         |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 16,570              | 16,364  | 142,041          | 143,374 | 9,828              | 9,323   | 112,403          | 113,113 | 6,742                 | 7,041            | 29,638           | 30,260           |
| Civilian labor force .....                   | 9,842               | 9,688   | 95,417           | 97,009  | 5,830              | 5,500   | 76,379           | 77,543  | 4,012                 | 4,188            | 19,038           | 19,467           |
| Percent of population .....                  | 59.4                | 59.2    | 67.2             | 67.7    | 59.3               | 59.0    | 68.0             | 68.6    | 59.5                  | 59.5             | 64.2             | 64.3             |
| Employed .....                               | 9,131               | 9,028   | 91,523           | 93,056  | 5,388              | 5,052   | 73,428           | 74,517  | 3,743                 | 3,976            | 18,095           | 18,539           |
| Unemployed .....                             | 710                 | 661     | 3,894            | 3,953   | 442                | 448     | 2,950            | 3,026   | 269                   | 212              | 943              | 928              |
| Unemployment rate .....                      | 7.2                 | 6.8     | 4.1              | 4.1     | 7.6                | 8.2     | 3.9              | 3.9     | 6.7                   | 5.1              | 5.0              | 4.8              |
| Men, 20 years and over .....                 | 6.5                 | 6.3     | 3.7              | 3.5     | 7.2                | 7.5     | 3.4              | 3.4     | 5.5                   | 4.5              | 4.5              | 4.1              |
| Women, 20 years and over .....               | 6.3                 | 5.7     | 3.5              | 3.6     | 6.4                | 7.0     | 3.4              | 3.5     | 6.1                   | 4.0              | 4.0              | 4.0              |
| Both sexes, 16 to 19 years .....             | 18.8                | 18.2    | 11.5             | 11.9    | 17.9               | 21.2    | 10.8             | 11.2    | 20.3                  | 15.0             | 14.0             | 14.2             |
| Men .....                                    | 18.3                | 19.8    | 12.8             | 13.6    | 17.1               | 24.0    | 12.3             | 13.2    | 20.2                  | 15.5             | 14.4             | 14.8             |
| Women .....                                  | 19.5                | 16.5    | 10.2             | 10.1    | 18.9               | 18.4    | 9.3              | 9.2     | 20.4                  | 14.4             | 13.5             | 13.5             |
| Not in labor force .....                     | 6,728               | 6,676   | 46,624           | 46,364  | 3,998              | 3,823   | 36,025           | 35,571  | 2,730                 | 2,852            | 10,599           | 10,794           |
| <b>Black</b>                                 |                     |         |                  |         |                    |         |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 9,826               | 9,863   | 10,987           | 11,273  | 7,640              | 7,726   | 9,630            | 9,837   | 2,187                 | 2,138            | 1,357            | 1,436            |
| Civilian labor force .....                   | 5,527               | 5,463   | 7,814            | 8,072   | 4,330              | 4,312   | 6,961            | 7,164   | 1,198                 | 1,151            | 853              | 908              |
| Percent of population .....                  | 56.2                | 55.4    | 71.1             | 71.6    | 56.7               | 55.8    | 72.3             | 72.8    | 54.8                  | 53.8             | 62.9             | 63.3             |
| Employed .....                               | 4,773               | 4,617   | 7,138            | 7,394   | 3,735              | 3,617   | 6,345            | 6,549   | 1,038                 | 1,000            | 793              | 845              |
| Unemployed .....                             | 754                 | 845     | 676              | 679     | 595                | 695     | 617              | 615     | 159                   | 150              | 59               | 63               |
| Unemployment rate .....                      | 13.6                | 15.5    | 8.6              | 8.4     | 13.7               | 16.1    | 8.9              | 8.6     | 13.3                  | 13.1             | 7.0              | 7.0              |
| Men, 20 years and over .....                 | 12.4                | 15.2    | 7.1              | 6.6     | 12.5               | 16.0    | 7.3              | 6.7     | 12.1                  | 11.7             | 5.1              | 6.4              |
| Women, 20 years and over .....               | 11.8                | 12.2    | 8.1              | 8.1     | 11.9               | 12.2    | 8.2              | 8.4     | 11.8                  | 12.1             | 6.8              | 6.0              |
| Both sexes, 16 to 19 years .....             | 35.5                | 37.8    | 24.6             | 24.3    | 35.8               | 41.2    | 25.1             | 24.7    | 34.2                  | 26.1             | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Men .....                                    | 34.6                | 39.0    | 29.3             | 24.3    | 35.5               | 42.6    | 29.7             | 24.8    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Women .....                                  | 36.5                | 36.6    | 19.3             | 24.3    | 36.2               | 39.6    | 19.6             | 24.6    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Not in labor force .....                     | 4,299               | 4,401   | 3,173            | 3,200   | 3,310              | 3,413   | 2,669            | 2,673   | 989                   | 987              | 504              | 527              |
| <b>Hispanic origin</b>                       |                     |         |                  |         |                    |         |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 4,548               | 4,338   | 8,947            | 9,640   | 4,184              | 4,016   | 8,281            | 8,996   | 364                   | 321              | 667              | 644              |
| Civilian labor force .....                   | 2,778               | 2,539   | 6,343            | 6,866   | 2,540              | 2,340   | 5,869            | 6,415   | 239                   | 199              | 474              | 452              |
| Percent of population .....                  | 61.1                | 58.5    | 70.9             | 71.2    | 60.7               | 58.3    | 70.9             | 71.3    | 65.6                  | 61.9             | 71.1             | 70.2             |
| Employed .....                               | 2,536               | 2,260   | 5,894            | 6,407   | 2,320              | 2,074   | 5,475            | 5,989   | 216                   | 187              | 419              | 417              |
| Unemployed .....                             | 242                 | 279     | 448              | 460     | 219                | 267     | 394              | 426     | 23                    | 12               | 55               | 34               |
| Unemployment rate .....                      | 8.7                 | 11.0    | 7.1              | 6.7     | 8.6                | 11.4    | 6.7              | 6.6     | 9.7                   | 6.1              | 11.6             | 7.6              |
| Men, 20 years and over .....                 | 7.7                 | 10.5    | 5.6              | 5.5     | 7.8                | 10.7    | 5.2              | 5.4     | 7.3                   | 7.9              | 9.6              | 7.1              |
| Women, 20 years and over .....               | 7.6                 | 9.3     | 6.9              | 6.5     | 7.6                | 9.6     | 6.7              | 6.5     | 8.0                   | 4.1              | 9.2              | 6.8              |
| Both sexes, 16 to 19 years .....             | 20.8                | 22.5    | 20.6             | 17.2    | 19.1               | 24.6    | 19.1             | 17.5    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Men .....                                    | 21.2                | 27.5    | 21.7             | 20.0    | 19.9               | 29.9    | 20.2             | 20.5    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Women .....                                  | 20.1                | 16.6    | 19.3             | 12.9    | 17.8               | 18.4    | 17.7             | 12.7    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Not in labor force .....                     | 1,769               | 1,798   | 2,604            | 2,773   | 1,644              | 1,676   | 2,412            | 2,582   | 126                   | 122              | 193              | 192              |

<sup>1</sup> Data not shown where base is less than 60,000.

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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonagricultural payrolls by major industry, 1938 to date**

(In thousands)

| Year and month                    | Total   | Total private | Goods-producing |        |              |               | Service-producing |                                     |                  |                  |                                     |          | Government       |                  |                  |
|-----------------------------------|---------|---------------|-----------------|--------|--------------|---------------|-------------------|-------------------------------------|------------------|------------------|-------------------------------------|----------|------------------|------------------|------------------|
|                                   |         |               | Total           | Mining | Construction | Manufacturing | Total             | Transportation and public utilities | Wholesale trade  | Retail trade     | Finance, insurance, and real estate | Services | Federal          | State            | Local            |
|                                   |         |               |                 |        |              |               |                   |                                     |                  |                  |                                     |          |                  |                  |                  |
| Annual averages                   |         |               |                 |        |              |               |                   |                                     |                  |                  |                                     |          |                  |                  |                  |
| 1938 .....                        | 29,194  | 25,311        | 11,401          | 891    | 1,070        | 9,440         | 17,793            | 2,863                               | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 1,410                               | 3,458    | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1939 .....                        | 30,603  | 26,608        | 12,297          | 854    | 1,165        | 10,278        | 18,306            | 2,936                               | 1,762            | 4,664            | 1,447                               | 3,502    | 905              | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1940 .....                        | 32,361  | 28,159        | 13,221          | 925    | 1,311        | 10,985        | 19,140            | 3,038                               | 1,835            | 4,914            | 1,485                               | 3,665    | 996              | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1941 .....                        | 36,539  | 31,877        | 15,963          | 957    | 1,814        | 13,192        | 20,574            | 3,274                               | 1,960            | 5,251            | 1,525                               | 3,905    | 1,340            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1942 .....                        | 40,106  | 34,624        | 18,470          | 992    | 2,198        | 15,280        | 21,636            | 3,460                               | 1,906            | 5,212            | 1,509                               | 4,066    | 2,213            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1943 .....                        | 42,434  | 36,356        | 20,114          | 925    | 1,587        | 17,602        | 22,320            | 3,647                               | 1,822            | 5,160            | 1,481                               | 4,130    | 2,905            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1944 .....                        | 41,864  | 35,822        | 19,328          | 892    | 1,108        | 17,328        | 22,536            | 3,829                               | 1,845            | 5,214            | 1,461                               | 4,145    | 2,928            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1945 .....                        | 40,374  | 34,431        | 17,507          | 836    | 1,147        | 15,524        | 22,867            | 3,906                               | 1,949            | 5,365            | 1,481                               | 4,222    | 2,808            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1946 .....                        | 41,652  | 36,056        | 17,248          | 862    | 1,683        | 14,703        | 24,404            | 4,061                               | 2,291            | 6,084            | 1,675                               | 4,697    | 2,254            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1947 .....                        | 43,857  | 38,382        | 18,509          | 955    | 2,009        | 15,545        | 25,348            | 4,166                               | 2,471            | 6,485            | 1,728                               | 5,025    | 1,892            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1948 .....                        | 44,866  | 39,216        | 18,774          | 994    | 2,198        | 15,582        | 26,092            | 4,189                               | 2,605            | 6,667            | 1,800                               | 5,181    | 1,863            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1949 .....                        | 43,754  | 37,897        | 17,565          | 930    | 2,194        | 14,441        | 26,189            | 4,001                               | 2,602            | 6,662            | 1,828                               | 5,240    | 1,908            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1950 .....                        | 45,197  | 39,170        | 18,506          | 901    | 2,364        | 15,241        | 26,691            | 4,034                               | 2,635            | 6,751            | 1,888                               | 5,357    | 1,928            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1951 .....                        | 47,819  | 41,430        | 19,959          | 929    | 2,637        | 16,393        | 27,860            | 4,226                               | 2,727            | 7,015            | 1,956                               | 5,547    | 2,302            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1952 .....                        | 48,793  | 42,185        | 20,198          | 898    | 2,668        | 16,632        | 28,595            | 4,248                               | 2,812            | 7,192            | 2,035                               | 5,699    | 2,420            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1953 .....                        | 50,202  | 43,556        | 21,074          | 866    | 2,659        | 17,549        | 29,128            | 4,290                               | 2,854            | 7,393            | 2,111                               | 5,835    | 2,305            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1954 .....                        | 48,990  | 42,238        | 19,751          | 791    | 2,646        | 16,314        | 29,239            | 4,084                               | 2,867            | 7,368            | 2,200                               | 5,969    | 2,188            | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| 1955 .....                        | 50,641  | 43,727        | 20,513          | 792    | 2,839        | 16,882        | 30,128            | 4,141                               | 2,926            | 7,610            | 2,298                               | 6,240    | 2,187            | 1,168            | 3,558            |
| 1956 .....                        | 52,369  | 45,091        | 21,104          | 822    | 3,039        | 17,243        | 31,266            | 4,244                               | 3,018            | 7,840            | 2,389                               | 6,497    | 2,209            | 1,250            | 3,819            |
| 1957 .....                        | 52,853  | 45,239        | 20,964          | 828    | 2,962        | 17,174        | 31,889            | 4,241                               | 3,028            | 7,858            | 2,438                               | 6,708    | 2,217            | 1,328            | 4,071            |
| 1958 .....                        | 51,324  | 43,483        | 19,513          | 751    | 2,817        | 15,945        | 31,811            | 3,976                               | 2,980            | 7,770            | 2,481                               | 6,765    | 2,191            | 1,415            | 4,232            |
| 1959 <sup>2</sup> .....           | 53,268  | 45,186        | 20,411          | 732    | 3,004        | 16,675        | 32,857            | 4,011                               | 3,082            | 8,045            | 2,549                               | 7,087    | 2,233            | 1,484            | 4,366            |
| 1960 .....                        | 54,189  | 45,836        | 20,434          | 712    | 2,926        | 16,796        | 33,755            | 4,004                               | 3,143            | 8,248            | 2,629                               | 7,378    | 2,270            | 1,536            | 4,547            |
| 1961 .....                        | 53,999  | 45,404        | 19,857          | 672    | 2,859        | 16,326        | 34,142            | 3,903                               | 3,133            | 8,204            | 2,688                               | 7,620    | 2,279            | 1,607            | 4,708            |
| 1962 .....                        | 55,549  | 46,660        | 20,451          | 650    | 2,948        | 16,853        | 35,098            | 3,906                               | 3,198            | 8,368            | 2,754                               | 7,982    | 2,340            | 1,668            | 4,881            |
| 1963 .....                        | 56,653  | 47,429        | 20,640          | 635    | 3,010        | 16,995        | 36,013            | 3,903                               | 3,248            | 8,530            | 2,830                               | 8,277    | 2,358            | 1,747            | 5,121            |
| 1964 .....                        | 58,283  | 48,686        | 21,005          | 634    | 3,097        | 17,274        | 37,278            | 3,951                               | 3,337            | 8,823            | 2,911                               | 8,660    | 2,348            | 1,856            | 5,392            |
| 1965 .....                        | 60,765  | 50,689        | 21,926          | 632    | 3,232        | 18,068        | 38,839            | 4,036                               | 3,466            | 9,250            | 2,977                               | 9,036    | 2,378            | 1,996            | 5,700            |
| 1966 .....                        | 63,901  | 53,116        | 23,158          | 627    | 3,317        | 19,214        | 40,743            | 4,158                               | 3,597            | 9,648            | 3,058                               | 9,498    | 2,564            | 2,141            | 6,080            |
| 1967 .....                        | 65,803  | 54,413        | 23,308          | 613    | 3,248        | 19,447        | 42,495            | 4,268                               | 3,689            | 9,917            | 3,185                               | 10,045   | 2,719            | 2,302            | 6,371            |
| 1968 .....                        | 67,897  | 56,058        | 23,737          | 606    | 3,368        | 19,781        | 44,160            | 4,318                               | 3,779            | 10,320           | 3,337                               | 10,567   | 2,737            | 2,442            | 6,660            |
| 1969 .....                        | 70,384  | 58,189        | 24,361          | 619    | 3,575        | 20,167        | 46,023            | 4,442                               | 3,907            | 10,798           | 3,512                               | 11,169   | 2,758            | 2,533            | 6,904            |
| 1970 .....                        | 70,880  | 58,325        | 23,578          | 623    | 3,588        | 19,367        | 47,302            | 4,515                               | 3,993            | 11,047           | 3,645                               | 11,548   | 2,731            | 2,664            | 7,158            |
| 1971 .....                        | 71,214  | 58,331        | 22,935          | 609    | 3,704        | 18,623        | 48,278            | 4,476                               | 4,001            | 11,351           | 3,772                               | 11,797   | 2,696            | 2,747            | 7,437            |
| 1972 .....                        | 73,675  | 60,341        | 23,668          | 628    | 3,889        | 19,151        | 50,007            | 4,541                               | 4,113            | 11,836           | 3,908                               | 12,276   | 2,684            | 2,859            | 7,790            |
| 1973 .....                        | 76,790  | 63,058        | 24,893          | 642    | 4,097        | 20,154        | 51,897            | 4,656                               | 4,277            | 12,329           | 4,046                               | 12,857   | 2,663            | 2,923            | 8,146            |
| 1974 .....                        | 78,265  | 64,095        | 24,794          | 697    | 4,020        | 20,077        | 53,471            | 4,725                               | 4,433            | 12,554           | 4,148                               | 13,441   | 2,724            | 3,039            | 8,407            |
| 1975 .....                        | 76,945  | 62,259        | 22,600          | 752    | 3,525        | 18,323        | 54,345            | 4,542                               | 4,415            | 12,645           | 4,165                               | 13,892   | 2,748            | 3,179            | 8,758            |
| 1976 .....                        | 79,382  | 64,511        | 23,352          | 779    | 3,576        | 18,997        | 56,030            | 4,582                               | 4,546            | 13,209           | 4,271                               | 14,551   | 2,733            | 3,273            | 8,865            |
| 1977 .....                        | 82,471  | 67,344        | 24,346          | 813    | 3,851        | 19,682        | 58,125            | 4,713                               | 4,708            | 13,808           | 4,467                               | 15,303   | 2,727            | 3,377            | 9,023            |
| 1978 .....                        | 86,977  | 71,026        | 25,585          | 851    | 4,229        | 20,505        | 61,113            | 4,923                               | 4,969            | 14,573           | 4,724                               | 16,252   | 2,753            | 3,474            | 9,446            |
| 1979 .....                        | 89,823  | 73,876        | 26,461          | 958    | 4,463        | 21,040        | 63,363            | 5,136                               | 5,204            | 14,989           | 4,975                               | 17,112   | 2,773            | 3,541            | 9,633            |
| 1980 .....                        | 90,406  | 74,166        | 25,658          | 1,027  | 4,346        | 20,285        | 64,748            | 5,146                               | 5,275            | 15,035           | 5,160                               | 17,890   | 2,866            | 3,610            | 9,765            |
| 1981 .....                        | 91,156  | 75,126        | 25,497          | 1,139  | 4,188        | 20,170        | 65,659            | 5,165                               | 5,358            | 15,189           | 5,298                               | 18,619   | 2,772            | 3,640            | 9,619            |
| 1982 .....                        | 89,566  | 73,729        | 23,813          | 1,128  | 3,905        | 18,781        | 65,753            | 5,082                               | 5,278            | 15,179           | 5,341                               | 19,036   | 2,739            | 3,640            | 9,458            |
| 1983 .....                        | 90,200  | 74,330        | 23,334          | 952    | 3,948        | 18,434        | 66,866            | 4,954                               | 5,268            | 15,613           | 5,468                               | 19,694   | 2,774            | 3,662            | 9,434            |
| 1984 .....                        | 94,496  | 78,472        | 24,727          | 966    | 4,383        | 19,378        | 69,769            | 5,159                               | 5,555            | 16,545           | 5,689                               | 20,797   | 2,807            | 3,734            | 9,482            |
| 1985 .....                        | 97,519  | 81,125        | 24,859          | 927    | 4,673        | 19,260        | 72,660            | 5,238                               | 5,717            | 17,356           | 5,955                               | 22,000   | 2,875            | 3,832            | 9,687            |
| 1986 .....                        | 99,525  | 82,832        | 24,558          | 777    | 4,816        | 18,965        | 74,967            | 5,255                               | 5,753            | 17,930           | 6,283                               | 23,053   | 2,899            | 3,893            | 9,901            |
| 1987 .....                        | 102,200 | 85,190        | 24,708          | 717    | 4,967        | 19,024        | 77,492            | 5,372                               | 5,844            | 18,483           | 6,547                               | 24,236   | 2,943            | 3,967            | 10,100           |
| 1988 .....                        | 105,584 | 88,212        | 25,249          | 721    | 5,125        | 19,403        | 80,335            | 5,548                               | 6,029            | 19,110           | 6,676                               | 25,600   | 2,971            | 4,063            | 10,339           |
| 1989 <sup>p</sup> .....           | 108,573 | 90,847        | 25,634          | 722    | 5,302        | 19,611        | 82,938            | 5,703                               | 6,234            | 19,573           | 6,814                               | 26,889   | 2,988            | 4,136            | 10,603           |
| Monthly data, seasonally adjusted |         |               |                 |        |              |               |                   |                                     |                  |                  |                                     |          |                  |                  |                  |
| 1988: December .....              | 107,097 | 89,574        | 25,513          | 711    | 5,213        | 19,589        | 81,584            | 5,634                               | 6,125            | 19,328           | 6,744                               | 26,230   | 2,981            | 4,085            | 10,457           |
| 1989: January .....               | 107,442 | 89,897        | 25,626          | 711    | 5,267        | 19,648        | 81,816            | 5,654                               | 6,146            | 19,407           | 6,746                               | 26,318   | 2,978            | 4,084            | 10,483           |
| February .....                    | 107,711 | 90,124        | 25,629          | 711    | 5,270        | 19,648        | 82,082            | 5,667                               | 6,171            | 19,460           | 6,763                               | 26,434   | 2,982            | 4,095            | 10,510           |
| March .....                       | 107,888 | 90,291        | 25,646          | 714    | 5,252        | 19,680        | 82,242            | 5,666                               | 6,197            | 19,488           | 6,774                               | 26,520   | 2,982            | 4,102            | 10,513           |
| April .....                       | 108,101 | 90,475        | 25,671          | 720    | 5,279        | 19,672        | 82,430            | 5,682                               | 6,206            | 19,489           | 6,776                               | 26,651   | 2,982            | 4,111            | 10,533           |
| May .....                         | 108,310 | 90,623        | 25,672          | 722    | 5,283        | 19,667        | 82,638            | 5,700                               | 6,222            | 19,528           | 6,790                               | 26,711   | 2,999            | 4,119            | 10,569           |
| June .....                        | 108,607 | 90,884        | 25,648          | 715    | 5,283        | 19,650        | 82,959            | 5,716                               | 6,230            | 19,551           | 6,808                               | 26,931   | 2,995            | 4,136            | 10,592           |
| July .....                        | 108,767 | 91,016        | 25,669          | 706    | 5,314        | 19,649        | 83,098            | 5,736                               | 6,237            | 19,586           | 6,815                               | 26,973   | 3,000            | 4,145            | 10,606           |
| August .....                      | 108,887 | 91,083        | 25,694          | 729    | 5,321        | 19,644        | 83,193            | 5,618                               | 6,256            | 19,621           | 6,836                               | 27,058   | 2,999            | 4,154            | 10,651           |
| September .....                   | 109,096 | 91,230        | 25,614          | 730    | 5,325        | 19,559        | 83,482            | 5,709                               | 6,264            | 19,632           | 6,852                               | 27,159   | 2,996            | 4,182            | 10,688           |
| October .....                     | 109,171 | 91,328        | 25,603          | 731    | 5,335        | 19,537        | 83,568            | 5,729                               | 6,278            | 19,679           | 6,851                               | 27,188   | 2,984            | 4,153            | 10,706           |

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonagricultural payrolls by detailed industry**

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Total</b> .....  |                     | 107,736       | 107,917      | 109,975      | 110,328                   | 110,379                   | -                               | -            | -            | -                         | -                         |
| <b>Total private</b> .....                                  |                     | 89,827        | 90,098       | 91,904       | 92,100                    | 92,206                    | 72,810                          | 73,029       | 74,477       | 74,634                    | 74,672                    |
| <b>Mining</b> .....   |                     | 720           | 714          | 740          | 744                       | 737                       | 519                             | 513          | 535          | 539                       | 530                       |
| Metal mining .....  | 10                  | 54.7          | 55.7         | 64.6         | 63.4                      | -                         | 42.7                            | 43.5         | 51.1         | 50.3                      | -                         |
| Iron ores .....   | 101                 | 8.3           | 8.8          | 9.7          | 9.3                       | -                         | 6.8                             | 7.2          | 8.0          | 7.6                       | -                         |
| Copper ores .....   | 102                 | 13.6          | 13.7         | 14.3         | 14.3                      | -                         | 10.5                            | 10.6         | 11.5         | 11.6                      | -                         |
| Coal mining .....   | 11,12               | 148.8         | 147.6        | 143.5        | 145.0                     | -                         | 122.2                           | 120.9        | 117.6        | 118.8                     | -                         |
| Bituminous coal and lignite mining .....                    | 12                  | 146.6         | 145.4        | 141.2        | 142.6                     | -                         | 120.3                           | 119.0        | 115.6        | 116.8                     | -                         |
| Oil and gas extraction .....                                | 13                  | 400.8         | 398.7        | 412.4        | 418.4                     | 417.6                     | 265.5                           | 263.2        | 275.0        | 280.9                     | -                         |
| Crude petroleum, natural gas, and natural gas liquids ..... | 131,2               | 198.3         | 198.1        | 194.2        | 194.2                     | -                         | 98.9                            | 98.6         | 94.0         | 93.8                      | -                         |
| Oil and gas field services .....                            | 138                 | 202.5         | 200.6        | 218.2        | 224.2                     | -                         | 166.6                           | 164.6        | 181.0        | 187.1                     | -                         |
| Nonmetallic minerals, except fuels .....                    | 14                  | 115.4         | 111.5        | 119.0        | 116.7                     | -                         | 88.5                            | 84.9         | 91.3         | 89.1                      | -                         |
| Crushed and broken stone .....                              | 142                 | 41.9          | 40.4         | 42.8         | 42.1                      | -                         | 33.0                            | 31.5         | 33.9         | 33.2                      | -                         |
| Sand and gravel .....                                       | 144                 | 36.2          | 34.0         | 38.0         | 36.5                      | -                         | -                               | -            | -            | -                         | -                         |
| Chemical and fertilizer minerals .....                      | 147                 | 17.5          | 17.5         | 17.7         | 17.9                      | -                         | -                               | -            | -            | -                         | -                         |
| <b>Construction</b> .....                                   |                     | 5,325         | 5,148        | 5,591        | 5,499                     | 5,258                     | 4,187                           | 4,008        | 4,401        | 4,312                     | 4,062                     |
| General building contractors .....                          | 15                  | 1,409.8       | 1,380.3      | 1,444.3      | 1,426.0                   | 1,396.6                   | 1,039.3                         | 1,009.2      | 1,058.5      | 1,041.2                   | -                         |
| Residential building construction .....                     | 152                 | 751.9         | 736.0        | 775.2        | 766.1                     | -                         | 541.6                           | 525.6        | 553.9        | 546.8                     | -                         |
| Operative builders .....                                    | 153                 | 47.4          | 47.5         | 45.9         | 44.4                      | -                         | 21.2                            | 21.3         | 20.6         | 19.2                      | -                         |
| Nonresidential building construction .....                  | 154                 | 610.5         | 596.8        | 623.2        | 615.5                     | -                         | 476.5                           | 462.3        | 484.0        | 475.2                     | -                         |
| Heavy construction contractors .....                        | 16                  | 810.9         | 749.5        | 890.5        | 853.3                     | -                         | 682.9                           | 620.6        | 754.3        | 717.3                     | -                         |
| Highway and street construction .....                       | 161                 | 269.5         | 227.7        | 286.6        | 262.8                     | -                         | 224.8                           | 183.5        | 241.0        | 217.7                     | -                         |
| Heavy construction, except highway .....                    | 162                 | 541.4         | 521.8        | 603.9        | 590.5                     | -                         | 458.1                           | 437.1        | 513.3        | 499.6                     | -                         |
| Special trade contractors .....                             | 17                  | 3,104.6       | 3,018.0      | 3,255.9      | 3,219.4                   | -                         | 2,465.2                         | 2,378.0      | 2,587.9      | 2,553.5                   | -                         |
| Plumbing, heating, and air conditioning .....               | 171                 | 675.6         | 672.8        | 685.7        | 682.0                     | -                         | 503.4                           | 499.8        | 508.1        | 505.9                     | -                         |
| Painting, paper hanging, and decorating .....               | 172                 | 178.6         | 170.4        | 193.0        | 187.3                     | -                         | 150.7                           | 142.6        | 163.0        | 157.7                     | -                         |
| Electrical work .....                                       | 173                 | 562.9         | 561.0        | 574.4        | 575.0                     | -                         | 440.0                           | 436.6        | 446.8        | 447.1                     | -                         |
| Masonry, stonework, and plastering .....                    | 174                 | 518.3         | 493.5        | 542.8        | 539.6                     | -                         | 447.2                           | 423.6        | 468.1        | 464.9                     | -                         |
| Carpentering and flooring .....                             | 175                 | 195.4         | 193.8        | 206.3        | 199.7                     | -                         | 150.5                           | 148.8        | 161.8        | 154.9                     | -                         |
| Roofing and sheet metal work .....                          | 176                 | 223.0         | 213.5        | 238.5        | 236.7                     | -                         | 179.4                           | 169.7        | 193.3        | 191.0                     | -                         |
| <b>Manufacturing</b> .....                                  |                     | 19,654        | 19,625       | 19,645       | 19,600                    | 19,527                    | 13,460                          | 13,420       | 13,409       | 13,365                    | 13,307                    |
| <b>Durable goods</b> .....                                  |                     | 11,601        | 11,601       | 11,501       | 11,488                    | 11,450                    | 7,773                           | 7,765        | 7,659        | 7,648                     | 7,620                     |
| Lumber and wood products .....                              | 24                  | 777.1         | 769.7        | 774.3        | 767.2                     | 755.6                     | 646.5                           | 639.6        | 641.8        | 634.9                     | 624.0                     |
| Logging camps and logging contractors .....                 | 241                 | 96.4          | 92.0         | 100.1        | 98.5                      | -                         | 80.3                            | 76.3         | 83.1         | 81.4                      | -                         |
| Sawmills and planing mills .....                            | 242                 | 208.6         | 209.5        | 208.4        | 207.0                     | -                         | 182.9                           | 183.7        | 181.9        | 180.5                     | -                         |
| Sawmills and planing mills, general .....                   | 2421                | 170.0         | 170.6        | 169.4        | 168.6                     | -                         | 149.0                           | 149.6        | 147.8        | 147.1                     | -                         |
| Hardwood dimension and flooring .....                       | 2426                | 35.0          | 35.3         | 35.6         | 34.9                      | -                         | 30.8                            | 31.0         | 31.2         | 30.6                      | -                         |
| Millwork, plywood, and structural members .....             | 243                 | 270.5         | 268.5        | 267.7        | 265.6                     | -                         | 221.3                           | 219.4        | 218.1        | 216.0                     | -                         |
| Millwork .....  | 2431                | 106.7         | 105.1        | 105.0        | 103.2                     | -                         | 85.7                            | 84.2         | 83.9         | 81.8                      | -                         |
| Wood kitchen cabinets .....                                 | 2434                | 72.7          | 72.7         | 71.3         | 71.7                      | -                         | 58.0                            | 57.9         | 56.8         | 57.2                      | -                         |
| Hardwood veneer and plywood .....                           | 2435                | 24.5          | 24.4         | 24.3         | 24.1                      | -                         | 21.3                            | 21.2         | 21.1         | 20.9                      | -                         |
| Softwood veneer and plywood .....                           | 2436                | 37.6          | 37.6         | 36.4         | 36.6                      | -                         | 33.8                            | 33.8         | 32.6         | 32.9                      | -                         |
| Wood containers .....                                       | 244                 | 42.6          | 42.2         | 42.2         | 41.9                      | -                         | 36.3                            | 35.8         | 35.6         | 35.2                      | -                         |
| Wood buildings and mobile homes .....                       | 245                 | 71.8          | 70.9         | 70.5         | 69.9                      | -                         | 54.5                            | 53.6         | 53.7         | 53.2                      | -                         |
| Mobile homes .....  | 2451                | 48.0          | 47.2         | 49.5         | 49.2                      | -                         | 39.2                            | 38.5         | 40.2         | 39.9                      | -                         |
| Miscellaneous wood products .....                           | 249                 | 87.2          | 86.6         | 85.4         | 84.3                      | -                         | 71.2                            | 70.8         | 69.4         | 68.6                      | -                         |

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Durable goods—Continued</b>                      |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Furniture and fixtures .....                        | 25                  | 538.5         | 537.3        | 529.7        | 530.2                     | 525.2                     | 431.9                           | 431.2        | 422.2        | 422.2                     | 418.6                     |
| Household furniture .....                           | 251                 | 314.0         | 313.8        | 304.6        | 306.8                     | -                         | 266.4                           | 266.5        | 256.7        | 258.3                     | -                         |
| Wood household furniture .....                      | 2511                | 140.0         | 140.2        | 134.7        | 136.5                     | -                         | 122.6                           | 122.8        | 117.4        | 118.7                     | -                         |
| Upholstered household furniture .....               | 2512                | 101.7         | 101.6        | 101.9        | 102.1                     | -                         | 85.6                            | 85.5         | 85.3         | 85.5                      | -                         |
| Metal household furniture .....                     | 2514                | 28.1          | 28.1         | 23.2         | 24.1                      | -                         | 22.9                            | 23.0         | 18.3         | 19.2                      | -                         |
| Mattresses and bedsprings .....                     | 2515                | 30.2          | 29.9         | 30.2         | 29.5                      | -                         | 23.3                            | 23.2         | 23.2         | 22.5                      | -                         |
| Office furniture .....                              | 252                 | 70.8          | 70.8         | 68.7         | 68.8                      | -                         | 53.4                            | 53.6         | 51.0         | 51.1                      | -                         |
| Public building and related furniture .....         | 253                 | 34.5          | 34.4         | 34.0         | 34.0                      | -                         | 27.2                            | 27.1         | 26.8         | 26.9                      | -                         |
| Partitions and fixtures .....                       | 254                 | 80.3          | 79.4         | 83.5         | 81.8                      | -                         | 58.6                            | 57.9         | 61.3         | 59.4                      | -                         |
| Miscellaneous furniture and fixtures .....          | 259                 | 38.9          | 38.9         | 38.9         | 38.8                      | -                         | 26.3                            | 26.1         | 26.4         | 26.5                      | -                         |
| Stone, clay, and glass products .....               | 32                  | 609.4         | 600.6        | 607.7        | 605.7                     | 592.9                     | 474.6                           | 466.2        | 473.2        | 471.3                     | 457.4                     |
| Flat glass .....                                    | 321                 | 16.3          | 16.5         | 16.2         | 16.0                      | -                         | 13.0                            | 13.2         | 12.9         | 12.7                      | -                         |
| Glass and glassware, pressed or blown .....         | 322                 | 85.1          | 83.9         | 84.1         | 84.4                      | -                         | 73.5                            | 72.5         | 72.8         | 73.2                      | -                         |
| Glass containers .....                              | 3221                | 43.6          | 42.2         | 42.4         | 42.6                      | -                         | 39.5                            | 38.2         | 38.5         | 38.7                      | -                         |
| Pressed and blown glass, nec .....                  | 3229                | 41.5          | 41.7         | 41.7         | 41.8                      | -                         | 34.0                            | 34.3         | 34.3         | 34.5                      | -                         |
| Products of purchased glass .....                   | 323                 | 56.0          | 55.9         | 55.6         | 56.0                      | -                         | 42.8                            | 42.9         | 42.7         | 42.8                      | -                         |
| Cement, hydraulic .....                             | 324                 | 19.6          | 19.5         | 19.3         | 19.3                      | -                         | 14.9                            | 14.9         | 14.7         | 14.7                      | -                         |
| Structural clay products .....                      | 325                 | 39.1          | 38.8         | 37.7         | 37.4                      | -                         | 30.7                            | 30.5         | 29.1         | 29.0                      | -                         |
| Pottery and related products .....                  | 326                 | 38.0          | 38.5         | 38.7         | 39.0                      | -                         | 30.4                            | 30.9         | 31.0         | 31.2                      | -                         |
| Concrete, gypsum, and plaster products .....        | 327                 | 219.0         | 211.4        | 221.0        | 218.1                     | -                         | 168.1                           | 160.8        | 170.4        | 167.7                     | -                         |
| Concrete block and brick .....                      | 3271                | 20.9          | 20.2         | 19.3         | 19.1                      | -                         | 13.5                            | 13.0         | 12.6         | 12.4                      | -                         |
| Concrete products, nec .....                        | 3272                | 74.5          | 72.8         | 76.9         | 75.8                      | -                         | 56.5                            | 55.0         | 58.7         | 57.5                      | -                         |
| Ready-mixed concrete .....                          | 3273                | 103.6         | 98.4         | 105.1        | 103.3                     | -                         | 82.6                            | 77.4         | 83.9         | 82.4                      | -                         |
| Misc. nonmetallic mineral products .....            | 329                 | 121.7         | 121.4        | 119.8        | 120.2                     | -                         | 89.8                            | 89.2         | 87.8         | 88.3                      | -                         |
| Abrasive products .....                             | 3291                | 22.5          | 22.6         | 22.6         | 22.5                      | -                         | 15.7                            | 16.0         | 16.0         | 15.9                      | -                         |
| Asbestos products .....                             | 3292                | 8.9           | 8.9          | 8.6          | 8.7                       | -                         | 6.7                             | 6.7          | 6.4          | 6.5                       | -                         |
| Mineral wool .....                                  | 3296                | 27.2          | 27.1         | 26.7         | 27.2                      | -                         | -                               | -            | -            | -                         | -                         |
| Primary metal industries .....                      | 33                  | 785.2         | 786.6        | 774.8        | 772.3                     | 771.9                     | 602.5                           | 604.2        | 589.9        | 587.8                     | 587.6                     |
| Blast furnaces and basic steel products .....       | 331                 | 276.5         | 276.1        | 269.3        | 267.4                     | 268.1                     | 213.9                           | 214.1        | 206.5        | 205.1                     | 205.8                     |
| Blast furnaces and steel mills .....                | 3312                | 207.9         | 207.2        | 203.6        | 202.2                     | -                         | 162.3                           | 162.1        | 157.9        | 156.7                     | -                         |
| Steel pipe and tubes .....                          | 3317                | 24.8          | 24.8         | 24.4         | 23.7                      | -                         | 18.8                            | 18.9         | 18.2         | 17.7                      | -                         |
| Iron and steel foundries .....                      | 332                 | 144.1         | 145.2        | 141.9        | 142.4                     | -                         | 116.4                           | 117.1        | 113.6        | 114.0                     | -                         |
| Gray iron foundries .....                           | 3321                | 88.2          | 88.8         | 85.9         | 86.8                      | -                         | 72.6                            | 72.9         | 70.5         | 71.2                      | -                         |
| Malleable iron foundries .....                      | 3322                | 9.6           | 9.7          | 8.8          | 8.7                       | -                         | 7.3                             | 7.4          | 6.7          | 6.7                       | -                         |
| Steel foundries, nec .....                          | 3325                | 30.9          | 31.1         | 31.0         | 30.7                      | -                         | 24.4                            | 24.5         | 24.3         | 23.9                      | -                         |
| Primary nonferrous metals .....                     | 333                 | 45.0          | 45.4         | 44.8         | 44.8                      | -                         | 33.6                            | 34.0         | 33.2         | 33.1                      | -                         |
| Primary aluminum .....                              | 3334                | 26.7          | 27.1         | 26.0         | 26.1                      | -                         | 20.4                            | 20.8         | 19.8         | 19.8                      | -                         |
| Nonferrous rolling and drawing .....                | 335                 | 182.6         | 182.4        | 182.5        | 181.8                     | -                         | 131.1                           | 131.1        | 131.1        | 130.6                     | -                         |
| Copper rolling and drawing .....                    | 3351                | 23.6          | 23.4         | 23.2         | 23.2                      | -                         | 18.0                            | 18.1         | 17.7         | 17.7                      | -                         |
| Aluminum sheet, plate, and foil .....               | 3353                | 28.3          | 28.3         | 28.4         | 28.4                      | -                         | 19.2                            | 19.1         | 19.1         | 18.8                      | -                         |
| Nonferrous wire drawing and insulating .....        | 3357                | 78.4          | 78.5         | 78.1         | 78.0                      | -                         | 57.4                            | 57.6         | 57.1         | 57.4                      | -                         |
| Nonferrous foundries .....                          | 336                 | 90.6          | 91.0         | 89.5         | 89.2                      | -                         | 73.1                            | 73.4         | 71.0         | 70.6                      | -                         |
| Aluminum foundries .....                            | 3361                | 55.1          | 55.1         | 52.2         | 51.9                      | -                         | 45.1                            | 45.1         | 42.0         | 41.7                      | -                         |
| Fabricated metal products .....                     | 34                  | 1,455.7       | 1,457.7      | 1,442.2      | 1,439.4                   | 1,435.0                   | 1,088.2                         | 1,087.9      | 1,069.1      | 1,066.3                   | 1,061.8                   |
| Metal cans and shipping containers .....            | 341                 | 52.4          | 51.6         | 52.4         | 52.4                      | -                         | 45.2                            | 44.3         | 45.4         | 45.3                      | -                         |
| Metal cans .....                                    | 3411                | 41.8          | 41.0         | 41.4         | 41.4                      | -                         | 36.5                            | 35.6         | 36.2         | 36.2                      | -                         |
| Cutlery, hand tools, and hardware .....             | 342                 | 139.2         | 138.9        | 133.8        | 133.7                     | -                         | 103.1                           | 103.0        | 98.7         | 98.6                      | -                         |
| Hand and edge tools, and hand saws and blades ..... | 3423,5              | 47.0          | 47.0         | 45.9         | 46.0                      | -                         | 34.3                            | 34.2         | 33.8         | 34.0                      | -                         |
| Hardware, nec .....                                 | 3429                | 80.9          | 80.6         | 76.2         | 75.9                      | -                         | 61.0                            | 61.0         | 56.8         | 56.5                      | -                         |
| Plumbing and heating, except electric .....         | 343                 | 62.0          | 61.5         | 61.2         | 61.5                      | -                         | 45.6                            | 45.0         | 44.2         | 44.5                      | -                         |
| Plumbing fittings and brass goods .....             | 3432                | 25.5          | 25.6         | 25.3         | 25.4                      | -                         | 18.8                            | 18.9         | 18.6         | 18.7                      | -                         |
| Heating equipment, except electric .....            | 3433                | 23.2          | 22.8         | 23.3         | 23.5                      | -                         | 16.5                            | 16.1         | 16.0         | 16.3                      | -                         |
| Fabricated structural metal products .....          | 344                 | 436.7         | 436.8        | 438.2        | 435.6                     | -                         | 313.7                           | 313.6        | 312.8        | 310.4                     | -                         |
| Fabricated structural metal .....                   | 3441                | 78.1          | 79.1         | 79.4         | 79.5                      | -                         | 56.8                            | 57.6         | 57.0         | 57.0                      | -                         |
| Metal doors, sash, and trim .....                   | 3442                | 82.5          | 81.6         | 83.5         | 82.1                      | -                         | 60.0                            | 59.4         | 61.1         | 60.0                      | -                         |
| Fabricated plate work (boiler shops) .....          | 3443                | 107.0         | 107.1        | 108.5        | 108.2                     | -                         | 72.8                            | 72.7         | 72.9         | 72.8                      | -                         |
| Sheet metal work .....                              | 3444                | 100.9         | 101.0        | 100.3        | 99.3                      | -                         | 75.4                            | 75.4         | 75.1         | 74.0                      | -                         |
| Architectural metal work .....                      | 3446                | 34.1          | 34.3         | 33.0         | 33.3                      | -                         | 25.5                            | 25.6         | 23.9         | 24.0                      | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry                                      | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Durable goods—Continued</b>                |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| <b>Fabricated metal products—Continued</b>    |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Screw machine products, bolts, etc .....      | 345                 | 101.8         | 102.2        | 100.4        | 100.4                     | -                         | 77.9                            | 78.3         | 76.7         | 76.9                      | -                         |
| Screw machine products .....                  | 3451                | 50.7          | 50.8         | 49.3         | 49.5                      | -                         | 41.4                            | 41.6         | 40.2         | 40.3                      | -                         |
| Bolts, nuts, rivets, and washers .....        | 3452                | 51.1          | 51.4         | 51.1         | 50.9                      | -                         | 36.5                            | 36.7         | 36.5         | 36.6                      | -                         |
| Metal forgings and stampings .....            | 346                 | 236.0         | 237.5        | 230.7        | 229.5                     | -                         | 188.8                           | 189.9        | 182.7        | 181.8                     | -                         |
| Iron and steel forgings .....                 | 3462                | 32.6          | 33.2         | 32.7         | 32.4                      | -                         | 25.0                            | 25.6         | 25.3         | 25.0                      | -                         |
| Automotive stampings .....                    | 3465                | 106.5         | 107.1        | 101.5        | 100.7                     | -                         | 90.2                            | 90.7         | 84.5         | 84.1                      | -                         |
| Metal stampings, nec .....                    | 3469                | 84.4          | 84.6         | 84.0         | 83.9                      | -                         | 64.3                            | 64.2         | 63.5         | 63.3                      | -                         |
| Metal services, nec .....                     | 347                 | 126.2         | 127.4        | 130.2        | 130.0                     | -                         | 101.6                           | 102.2        | 103.3        | 102.8                     | -                         |
| Plating and polishing .....                   | 3471                | 82.1          | 82.7         | 84.1         | 84.4                      | -                         | 66.4                            | 66.8         | 67.4         | 67.6                      | -                         |
| Metal coating and allied services .....       | 3479                | 44.1          | 44.7         | 46.1         | 45.6                      | -                         | 35.2                            | 35.4         | 35.9         | 35.2                      | -                         |
| Ordnance and accessories, nec .....           | 348                 | 74.8          | 74.5         | 69.3         | 69.9                      | -                         | 47.0                            | 46.3         | 42.6         | 43.4                      | -                         |
| Ammunition, except for small arms, nec .....  | 3483                | 41.2          | 41.2         | 38.4         | 38.6                      | -                         | 23.1                            | 22.8         | 20.9         | 21.3                      | -                         |
| Misc. fabricated metal products .....         | 349                 | 226.6         | 227.3        | 226.0        | 226.4                     | -                         | 165.3                           | 165.3        | 162.7        | 162.6                     | -                         |
| Valves and pipe fittings .....                | 3494                | 77.4          | 77.7         | 77.7         | 78.0                      | -                         | 52.1                            | 52.1         | 51.6         | 51.7                      | -                         |
| Misc. fabricated wire products .....          | 3496                | 55.1          | 55.3         | 56.0         | 56.3                      | -                         | 42.4                            | 42.5         | 42.4         | 42.4                      | -                         |
| Machinery, except electrical .....            | 35                  | 2,116.9       | 2,130.0      | 2,134.3      | 2,143.2                   | 2,149.3                   | 1,278.2                         | 1,289.0      | 1,290.9      | 1,301.1                   | 1,310.6                   |
| Engines and turbines .....                    | 351                 | 96.5          | 97.5         | 96.7         | 97.5                      | -                         | 63.7                            | 64.7         | 62.6         | 63.2                      | -                         |
| Turbines and turbine generator sets .....     | 3511                | 25.9          | 26.3         | 29.0         | 29.3                      | -                         | 15.3                            | 15.6         | 16.9         | 17.0                      | -                         |
| Internal combustion engines, nec .....        | 3519                | 70.6          | 71.2         | 67.7         | 68.2                      | -                         | 48.4                            | 49.1         | 45.7         | 46.2                      | -                         |
| Farm and garden machinery .....               | 352                 | 104.8         | 106.9        | 109.3        | 113.0                     | -                         | 75.7                            | 77.4         | 79.4         | 83.0                      | -                         |
| Farm machinery and equipment .....            | 3523                | 76.4          | 77.2         | 80.0         | 80.8                      | -                         | 53.4                            | 53.8         | 56.5         | 57.2                      | -                         |
| Construction and related machinery .....      | 353                 | 230.8         | 231.4        | 237.5        | 238.4                     | -                         | 141.3                           | 142.3        | 145.3        | 146.3                     | -                         |
| Construction machinery .....                  | 3531                | 83.0          | 83.3         | 86.0         | 86.1                      | -                         | 51.6                            | 52.0         | 53.2         | 53.2                      | -                         |
| Mining machinery .....                        | 3532                | 16.5          | 16.4         | 16.7         | 16.7                      | -                         | 10.1                            | 10.0         | 10.2         | 10.3                      | -                         |
| Oil field machinery .....                     | 3533                | 42.5          | 42.5         | 41.6         | 42.0                      | -                         | 25.4                            | 25.4         | 24.3         | 24.9                      | -                         |
| Conveyors and conveying equipment .....       | 3535                | 35.0          | 34.9         | 36.5         | 36.5                      | -                         | 18.7                            | 19.1         | 19.6         | 19.6                      | -                         |
| Industrial trucks and tractors .....          | 3537                | 27.4          | 27.6         | 28.8         | 29.1                      | -                         | 18.9                            | 19.1         | 19.8         | 20.0                      | -                         |
| Metalworking machinery .....                  | 354                 | 324.9         | 328.0        | 336.6        | 335.7                     | -                         | 234.7                           | 237.3        | 242.4        | 241.4                     | -                         |
| Machine tools, metal cutting types .....      | 3541                | 51.1          | 51.5         | 54.2         | 53.9                      | -                         | 33.1                            | 33.4         | 35.3         | 34.9                      | -                         |
| Machine tools, metal forming types .....      | 3542                | 19.0          | 19.1         | 19.8         | 19.8                      | -                         | 12.4                            | 12.5         | 12.6         | 12.6                      | -                         |
| Special dies, tools, jigs, and fixtures ..... | 3544                | 153.7         | 155.4        | 158.6        | 158.7                     | -                         | 118.4                           | 119.9        | 122.5        | 122.5                     | -                         |
| Machine tool accessories .....                | 3545                | 59.7          | 60.3         | 61.5         | 61.1                      | -                         | 42.7                            | 43.0         | 43.5         | 43.1                      | -                         |
| Power driven hand tools .....                 | 3546                | 22.9          | 23.0         | 23.0         | 23.0                      | -                         | 16.6                            | 16.8         | 15.9         | 15.9                      | -                         |
| Special industry machinery .....              | 355                 | 176.0         | 177.5        | 177.0        | 176.4                     | -                         | 105.6                           | 106.5        | 105.3        | 104.5                     | -                         |
| Food products machinery .....                 | 3551                | 35.6          | 35.6         | 35.6         | 35.8                      | -                         | 21.4                            | 21.4         | 21.6         | 21.6                      | -                         |
| Textile machinery .....                       | 3552                | 21.0          | 21.2         | 20.9         | 20.9                      | -                         | 13.9                            | 14.0         | 13.8         | 13.8                      | -                         |
| Printing trades machinery .....               | 3555                | 29.5          | 29.6         | 27.9         | 27.2                      | -                         | 17.8                            | 17.9         | 15.9         | 15.2                      | -                         |
| General industrial machinery .....            | 356                 | 253.0         | 253.5        | 251.0        | 256.4                     | -                         | 164.6                           | 164.8        | 161.3        | 167.2                     | -                         |
| Pumps and pumping equipment .....             | 3561                | 45.0          | 44.8         | 45.7         | 45.8                      | -                         | 26.1                            | 26.2         | 27.0         | 27.3                      | -                         |
| Ball and roller bearings .....                | 3562                | 43.0          | 43.4         | 38.6         | 44.1                      | -                         | 33.7                            | 33.9         | 28.8         | 34.7                      | -                         |
| Air and gas compressors .....                 | 3563                | 22.5          | 22.5         | 22.5         | 22.6                      | -                         | 13.2                            | 13.1         | 12.7         | 12.7                      | -                         |
| Blowers and fans .....                        | 3564                | 31.0          | 31.1         | 31.7         | 31.4                      | -                         | 20.3                            | 20.5         | 21.4         | 21.2                      | -                         |
| Speed changers, drives, and gears .....       | 3566                | 17.2          | 17.3         | 17.8         | 17.8                      | -                         | 12.0                            | 11.9         | 12.4         | 12.3                      | -                         |
| Power transmission equipment, nec .....       | 3568                | 18.6          | 18.8         | 18.5         | 18.6                      | -                         | 12.7                            | 12.9         | 12.6         | 12.7                      | -                         |
| Office and computing machines .....           | 357                 | 477.4         | 479.4        | 472.6        | 473.4                     | -                         | 155.0                           | 156.3        | 157.2        | 159.7                     | -                         |
| Electronic computing equipment .....          | 3573                | 421.9         | 423.6        | 417.1        | 418.1                     | -                         | 128.9                           | 130.1        | 131.1        | 134.1                     | -                         |
| Refrigeration and service machinery .....     | 358                 | 186.4         | 186.4        | 184.5        | 181.9                     | -                         | 134.4                           | 134.9        | 132.6        | 130.3                     | -                         |
| Refrigeration and heating equipment .....     | 3585                | 130.3         | 130.2        | 129.1        | 127.2                     | -                         | 96.8                            | 96.9         | 95.8         | 94.0                      | -                         |
| Misc. machinery, except electrical .....      | 359                 | 267.1         | 269.4        | 269.1        | 270.5                     | -                         | 203.2                           | 204.8        | 204.8        | 205.5                     | -                         |
| Carburetors, pistons, rings, and valves ..... | 3592                | 30.6          | 30.6         | 28.6         | 28.5                      | -                         | 24.1                            | 24.0         | 22.3         | 22.4                      | -                         |
| Machinery, except electrical, nec .....       | 3599                | 236.5         | 238.8        | 240.5        | 242.0                     | -                         | 179.1                           | 180.8        | 182.5        | 183.1                     | -                         |
| Electrical and electronic equipment .....     | 36                  | 2,085.8       | 2,079.0      | 2,026.3      | 2,021.9                   | 2,011.3                   | 1,243.2                         | 1,234.9      | 1,193.6      | 1,192.1                   | 1,186.0                   |
| Electric distributing equipment .....         | 361                 | 108.7         | 109.1        | 105.5        | 105.5                     | -                         | 77.6                            | 77.8         | 74.6         | 74.9                      | -                         |
| Transformers .....                            | 3612                | 54.1          | 54.3         | 51.7         | 51.8                      | -                         | 39.2                            | 39.3         | 36.9         | 37.2                      | -                         |
| Switchgear and switchboard apparatus .....    | 3613                | 54.6          | 54.8         | 53.8         | 53.7                      | -                         | 38.4                            | 38.5         | 37.7         | 37.7                      | -                         |
| Electrical industrial apparatus .....         | 362                 | 185.6         | 186.1        | 185.7        | 184.7                     | -                         | 129.8                           | 130.0        | 129.2        | 128.3                     | -                         |
| Motors and generators .....                   | 3621                | 90.9          | 91.0         | 90.0         | 89.1                      | -                         | 71.2                            | 71.2         | 70.7         | 70.0                      | -                         |
| Industrial controls .....                     | 3622                | 60.1          | 60.3         | 61.5         | 61.2                      | -                         | 35.3                            | 35.6         | 36.0         | 35.5                      | -                         |
| Household appliances .....                    | 363                 | 142.4         | 139.5        | 136.7        | 135.3                     | -                         | 116.0                           | 113.4        | 109.7        | 108.1                     | -                         |
| Household refrigerators and freezers .....    | 3632                | 28.6          | 27.3         | 26.7         | 26.3                      | -                         | 23.7                            | 22.3         | 21.9         | 21.2                      | -                         |
| Household laundry equipment .....             | 3633                | 23.1          | 23.1         | 22.5         | 22.6                      | -                         | 19.0                            | 18.9         | 18.1         | 18.3                      | -                         |
| Electric housewares and fans .....            | 3634                | 39.2          | 38.1         | 38.8         | 38.4                      | -                         | 31.3                            | 30.4         | 30.6         | 30.3                      | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry   | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|--|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>o</sup> | Dec.<br>1989 <sup>o</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>o</sup> | Dec.<br>1989 <sup>o</sup> |
| <b>Durable goods—Continued</b>                       |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| <b>Electrical and electronic equipment—Continued</b> |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Electric lighting and wiring equipment .....         | 364                 | 201.7         | 201.5        | 196.9        | 197.1                     | -                         | 146.1                           | 146.4        | 143.0        | 142.8                     | -                         |
| Electric lamps .....                                 | 3643                | 26.6          | 26.5         | 26.1         | 26.1                      | -                         | 22.6                            | 22.5         | 22.2         | 22.2                      | -                         |
| Current-carrying wiring devices .....                | 3643                | 78.9          | 78.5         | 75.8         | 75.7                      | -                         | 51.4                            | 51.2         | 49.6         | 49.5                      | -                         |
| Noncurrent-carrying wiring devices .....             | 3644                | 16.7          | 16.7         | 16.7         | 16.7                      | -                         | 12.4                            | 12.4         | 12.5         | 12.5                      | -                         |
| Residential lighting fixtures .....                  | 3645                | 29.1          | 28.8         | 28.5         | 28.5                      | -                         | 22.2                            | 21.9         | 21.4         | 21.3                      | -                         |
| Radio and TV receiving equipment .....               | 365                 | 89.9          | 89.9         | 98.4         | 97.6                      | -                         | 64.1                            | 63.9         | 70.5         | 70.0                      | -                         |
| Radio and TV receiving sets .....                    | 3651                | 66.5          | 67.3         | 73.2         | 72.4                      | -                         | 45.5                            | 46.4         | 50.6         | 50.0                      | -                         |
| Communication equipment .....                        | 366                 | 557.8         | 553.4        | 530.2        | 528.3                     | -                         | 232.2                           | 227.5        | 211.8        | 211.8                     | -                         |
| Telephone and telegraph apparatus .....              | 3661                | 109.2         | 107.9        | 100.2        | 99.6                      | -                         | 65.3                            | 64.6         | 58.2         | 58.5                      | -                         |
| Radio and TV communication equipment .....           | 3662                | 448.6         | 445.5        | 430.0        | 428.7                     | -                         | 166.9                           | 162.9        | 153.6        | 153.3                     | -                         |
| Electronic components and accessories .....          | 367                 | 639.0         | 639.9        | 614.2        | 614.3                     | -                         | 362.3                           | 362.1        | 344.0        | 344.8                     | -                         |
| Electronic tubes .....                               | 3671-3              | 38.9          | 38.7         | 38.4         | 38.8                      | -                         | 25.2                            | 24.8         | 24.1         | 24.0                      | -                         |
| Semiconductors and related devices .....             | 3674                | 265.8         | 266.1        | 256.7        | 257.1                     | -                         | 106.3                           | 105.7        | 97.9         | 98.8                      | -                         |
| Electronic components, nec .....                     | 3679                | 257.4         | 257.7        | 248.8        | 248.4                     | -                         | 173.3                           | 173.8        | 170.6        | 170.7                     | -                         |
| Misc. electrical equipment and supplies .....        | 369                 | 160.7         | 159.6        | 158.7        | 159.1                     | -                         | 115.1                           | 113.8        | 110.8        | 111.4                     | -                         |
| Storage batteries .....                              | 3691                | 30.5          | 29.4         | 29.8         | 29.8                      | -                         | 23.3                            | 22.4         | 23.1         | 23.1                      | -                         |
| Engine electrical equipment .....                    | 3694                | 70.9          | 71.1         | 69.1         | 69.5                      | -                         | 54.8                            | 54.9         | 52.6         | 53.1                      | -                         |
| Transportation equipment .....                       | 37                  | 2,075.8       | 2,083.8      | 2,033.3      | 2,032.6                   | 2,037.7                   | 1,298.5                         | 1,304.9      | 1,256.0      | 1,252.1                   | 1,257.3                   |
| Motor vehicles and equipment .....                   | 371                 | 878.0         | 882.2        | 836.0        | 832.0                     | 835.9                     | 688.0                           | 690.9        | 641.1        | 639.7                     | 642.1                     |
| Motor vehicles and car bodies .....                  | 3711                | 369.0         | 371.8        | 347.1        | 341.3                     | -                         | 280.0                           | 281.6        | 254.6        | 250.8                     | -                         |
| Truck and bus bodies .....                           | 3713                | 43.4          | 42.6         | 42.4         | 42.3                      | -                         | 34.3                            | 33.2         | 33.1         | 33.0                      | -                         |
| Motor vehicle parts and accessories .....            | 3714                | 413.3         | 416.5        | 399.7        | 402.2                     | -                         | 332.2                           | 335.3        | 317.6        | 320.5                     | -                         |
| Truck trailers .....                                 | 3715                | 31.2          | 30.7         | 28.1         | 27.6                      | -                         | 24.9                            | 24.6         | 22.2         | 21.6                      | -                         |
| Aircraft and parts .....                             | 372                 | 695.9         | 698.1        | 706.8        | 709.4                     | -                         | 339.4                           | 340.4        | 341.8        | 339.1                     | -                         |
| Aircraft .....                                       | 3721                | 370.3         | 372.0        | 383.0        | 385.2                     | -                         | 163.4                           | 163.8        | 166.3        | 164.4                     | -                         |
| Aircraft engines and engine parts .....              | 3724                | 153.1         | 152.9        | 151.1        | 151.5                     | -                         | 77.2                            | 77.3         | 75.7         | 76.3                      | -                         |
| Aircraft equipment, nec .....                        | 3728                | 172.5         | 173.2        | 172.7        | 172.7                     | -                         | 98.8                            | 99.3         | 99.8         | 98.4                      | -                         |
| Ship and boat building and repairing .....           | 373                 | 192.3         | 192.0        | 185.2        | 184.2                     | -                         | 139.7                           | 140.4        | 138.1        | 138.0                     | -                         |
| Ship building and repairing .....                    | 3731                | 122.6         | 123.0        | 122.8        | 122.7                     | -                         | 82.4                            | 82.6         | 87.1         | 87.6                      | -                         |
| Boat building and repairing .....                    | 3732                | 69.7          | 69.0         | 62.4         | 61.5                      | -                         | 57.3                            | 57.8         | 51.0         | 50.4                      | -                         |
| Railroad equipment .....                             | 374                 | 36.0          | 36.6         | 40.4         | 40.5                      | -                         | 27.0                            | 27.5         | 30.2         | 30.3                      | -                         |
| Guided missiles, space vehicles, and parts .....     | 376                 | 212.7         | 213.2        | 205.3        | 206.8                     | -                         | 63.1                            | 63.8         | 64.0         | 64.4                      | -                         |
| Guided missiles and space vehicles .....             | 3761                | 155.5         | 156.1        | 151.7        | 153.4                     | -                         | 43.5                            | 44.1         | 43.5         | 44.0                      | -                         |
| Miscellaneous transportation equipment .....         | 379                 | 49.6          | 49.5         | 46.6         | 46.3                      | -                         | 33.4                            | 33.3         | 31.4         | 30.7                      | -                         |
| Travel trailers and campers .....                    | 3792                | 20.9          | 21.1         | 19.3         | 19.4                      | -                         | 16.4                            | 16.4         | 15.3         | 15.2                      | -                         |
| Instruments and related products .....               | 38                  | 762.7         | 769.4        | 778.6        | 778.3                     | 779.8                     | 421.5                           | 426.9        | 430.3        | 430.8                     | 432.5                     |
| Engineering and scientific instruments .....         | 381                 | 97.0          | 98.1         | 99.3         | 99.4                      | -                         | 44.0                            | 44.8         | 46.6         | 46.8                      | -                         |
| Measuring and controlling devices .....              | 382                 | 265.0         | 267.5        | 270.3        | 270.1                     | -                         | 152.5                           | 154.3        | 154.5        | 153.5                     | -                         |
| Environmental controls .....                         | 3822                | 49.0          | 49.2         | 49.3         | 48.9                      | -                         | 32.5                            | 32.9         | 33.1         | 32.7                      | -                         |
| Process control instruments .....                    | 3823                | 61.1          | 62.2         | 63.7         | 63.7                      | -                         | 32.8                            | 33.4         | 34.3         | 34.2                      | -                         |
| Instruments to measure electricity .....             | 3825                | 108.0         | 108.5        | 109.2        | 109.1                     | -                         | 55.4                            | 55.6         | 55.1         | 54.4                      | -                         |
| Optical instruments and lenses .....                 | 383                 | 30.0          | 30.3         | 30.6         | 30.6                      | -                         | 15.4                            | 15.7         | 16.3         | 16.2                      | -                         |
| Medical instruments and supplies .....               | 384                 | 205.8         | 208.0        | 212.3        | 212.5                     | -                         | 124.3                           | 126.1        | 126.9        | 127.6                     | -                         |
| Surgical and medical instruments .....               | 3841                | 101.3         | 102.4        | 106.0        | 106.0                     | -                         | 58.9                            | 59.6         | 61.2         | 61.6                      | -                         |
| Surgical appliances and supplies .....               | 3842                | 89.8          | 90.9         | 91.3         | 91.7                      | -                         | 57.1                            | 58.2         | 57.3         | 57.5                      | -                         |
| Ophthalmic goods .....                               | 385                 | 39.0          | 39.1         | 40.3         | 40.7                      | -                         | 26.6                            | 26.9         | 28.2         | 28.3                      | -                         |
| Photographic equipment and supplies .....            | 386                 | 113.9         | 114.5        | 114.4        | 113.7                     | -                         | 49.6                            | 50.0         | 49.4         | 50.1                      | -                         |
| Watches, clocks, and watchcases .....                | 387                 | 12.0          | 11.9         | 11.4         | 11.3                      | -                         | 9.1                             | 9.1          | 8.4          | 8.3                       | -                         |
| Miscellaneous manufacturing .....                    | 39                  | 394.1         | 387.3        | 400.1        | 396.8                     | 391.7                     | 287.4                           | 280.3        | 291.9        | 289.4                     | 284.4                     |
| Jewelry, silverware, and plated ware .....           | 391                 | 55.6          | 54.9         | 56.8         | 55.7                      | -                         | 39.6                            | 38.9         | 40.4         | 39.6                      | -                         |
| Jewelry, precious metal .....                        | 3911                | 39.8          | 39.1         | 41.4         | 40.5                      | -                         | 28.2                            | 27.6         | 29.3         | 28.6                      | -                         |
| Musical instruments .....                            | 393                 | 13.1          | 13.3         | 12.9         | 12.8                      | -                         | 10.9                            | 11.0         | 10.6         | 10.5                      | -                         |
| Toys and sporting goods .....                        | 394                 | 104.7         | 102.1        | 107.4        | 106.3                     | -                         | 77.7                            | 74.5         | 78.8         | 78.0                      | -                         |
| Dolls, games, toys, and children's vehicles .....    | 3942,4              | 46.6          | 43.0         | 48.4         | 46.5                      | -                         | 33.6                            | 29.6         | 34.8         | 33.4                      | -                         |
| Sporting and athletic goods, nec .....               | 3949                | 58.1          | 59.1         | 59.0         | 59.8                      | -                         | 44.1                            | 44.9         | 44.0         | 44.6                      | -                         |
| Pens, pencils, office, and art supplies .....        | 395                 | 33.5          | 33.4         | 33.8         | 33.7                      | -                         | 23.4                            | 23.4         | 23.6         | 23.4                      | -                         |
| Costume jewelry and notions .....                    | 396                 | 43.1          | 40.7         | 45.7         | 45.2                      | -                         | 33.4                            | 31.1         | 36.1         | 35.5                      | -                         |
| Costume jewelry .....                                | 3961                | 22.9          | 21.9         | 25.7         | 25.2                      | -                         | 17.5                            | 16.7         | 20.5         | 19.8                      | -                         |
| Miscellaneous manufactures .....                     | 399                 | 144.1         | 142.9        | 143.5        | 143.1                     | -                         | 102.4                           | 101.4        | 102.4        | 102.4                     | -                         |
| Signs and advertising displays .....                 | 3993                | 63.5          | 63.5         | 62.2         | 62.7                      | -                         | 43.9                            | 44.1         | 43.2         | 43.6                      | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry                                     | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|--|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Nondurable goods</b> .....                |                     | 8,053         | 8,024        | 8,144        | 8,112                     | 8,077                     | 5,687                           | 5,655        | 5,750        | 5,717                     | 5,687                     |
| Food and kindred products .....              | 20                  | 1,665.5       | 1,635.7      | 1,721.7      | 1,687.6                   | 1,658.3                   | 1,191.9                         | 1,162.7      | 1,247.9      | 1,215.6                   | 1,185.9                   |
| Meat products .....                          | 201                 | 412.8         | 413.7        | 429.5        | 431.6                     | -                         | 350.5                           | 350.3        | 365.5        | 367.8                     | -                         |
| Meat packing plants .....                    | 2011                | 143.5         | 144.2        | 147.2        | 147.6                     | -                         | 120.2                           | 120.7        | 123.4        | 124.0                     | -                         |
| Sausages and other prepared meats .....      | 2013                | 82.9          | 83.3         | 83.8         | 84.0                      | -                         | 61.2                            | 61.1         | 61.9         | 62.4                      | -                         |
| Poultry dressing plants .....                | 2016                | 163.5         | 162.9        | 174.7        | 175.8                     | -                         | 148.6                           | 147.8        | 158.8        | 159.7                     | -                         |
| Dairy products .....                         | 202                 | 156.8         | 157.3        | 156.2        | 155.0                     | -                         | 95.1                            | 95.2         | 95.5         | 94.4                      | -                         |
| Cheese, natural and processed .....          | 2022                | 42.7          | 42.9         | 42.7         | 43.1                      | -                         | 32.7                            | 32.8         | 33.0         | 33.3                      | -                         |
| Fluid milk .....                             | 2026                | 75.8          | 76.0         | 74.3         | 73.9                      | -                         | 37.8                            | 37.8         | 37.2         | 37.0                      | -                         |
| Preserved fruits and vegetables .....        | 203                 | 252.8         | 229.9        | 287.0        | 255.1                     | -                         | 207.1                           | 185.5        | 241.3        | 211.5                     | -                         |
| Canned specialties .....                     | 2032                | 24.0          | 23.7         | 26.2         | 25.0                      | -                         | 17.3                            | 17.1         | 19.8         | 18.8                      | -                         |
| Canned fruits and vegetables .....           | 2033                | 83.8          | 70.8         | 102.3        | 82.2                      | -                         | 69.4                            | 56.8         | 87.9         | 69.2                      | -                         |
| Frozen fruits and vegetables .....           | 2037                | 51.9          | 44.8         | 60.2         | 53.9                      | -                         | 45.8                            | 39.0         | 54.1         | 47.7                      | -                         |
| Grain mill products .....                    | 204                 | 126.5         | 126.1        | 131.6        | 130.8                     | -                         | 88.4                            | 88.2         | 92.1         | 91.4                      | -                         |
| Flour and other grain mill products .....    | 2041                | 22.2          | 22.2         | 24.1         | 24.1                      | -                         | 15.4                            | 15.3         | 16.2         | 16.2                      | -                         |
| Prepared feeds, nec .....                    | 2048                | 42.9          | 42.7         | 43.4         | 43.2                      | -                         | 27.0                            | 27.0         | 27.6         | 27.3                      | -                         |
| Bakery products .....                        | 205                 | 205.6         | 204.1        | 205.4        | 206.3                     | -                         | 126.4                           | 126.1        | 126.9        | 127.5                     | -                         |
| Bread, cake, and related products .....      | 2051                | 158.4         | 156.8        | 158.6        | 159.6                     | -                         | 90.2                            | 89.4         | 91.0         | 91.7                      | -                         |
| Cookies and crackers .....                   | 2052                | 47.2          | 47.3         | 46.8         | 46.7                      | -                         | 36.2                            | 36.7         | 35.9         | 35.8                      | -                         |
| Sugar and confectionery products .....       | 206                 | 112.1         | 106.5        | 117.0        | 115.3                     | -                         | 91.0                            | 84.6         | 94.7         | 92.5                      | -                         |
| Cane and beet sugar .....                    | 2061-3              | 24.7          | 23.3         | 25.2         | 23.5                      | -                         | 20.1                            | 18.5         | 21.0         | 19.0                      | -                         |
| Confectionery products .....                 | 2065                | 65.6          | 61.4         | 69.4         | 69.1                      | -                         | 56.1                            | 51.4         | 58.6         | 58.1                      | -                         |
| Fats and oils .....                          | 207                 | 32.4          | 32.3         | 32.0         | 32.3                      | -                         | 24.0                            | 23.8         | 23.4         | 23.8                      | -                         |
| Beverages .....                              | 208                 | 200.8         | 200.2        | 195.6        | 194.9                     | -                         | 85.9                            | 85.7         | 82.8         | 81.9                      | -                         |
| Malt beverages .....                         | 2082                | 41.5          | 41.6         | 40.3         | 40.8                      | -                         | 25.0                            | 25.0         | 24.7         | 24.5                      | -                         |
| Bottled and canned soft drinks .....         | 2086                | 113.1         | 112.8        | 111.8        | 111.5                     | -                         | 36.9                            | 36.9         | 36.3         | 36.4                      | -                         |
| Misc. food and kindred products .....        | 209                 | 165.7         | 165.6        | 167.4        | 166.3                     | -                         | 123.5                           | 123.3        | 125.7        | 124.8                     | -                         |
| Tobacco manufactures .....                   | 21                  | 57.8          | 59.4         | 54.1         | 52.9                      | 54.2                      | 43.5                            | 44.9         | 41.3         | 40.3                      | 41.6                      |
| Cigarettes .....                             | 211                 | 41.1          | 40.9         | 36.5         | 36.5                      | -                         | 30.5                            | 30.2         | 27.2         | 27.3                      | -                         |
| Textile mill products .....                  | 22                  | 728.2         | 725.3        | 727.1        | 724.4                     | 722.3                     | 630.7                           | 628.2        | 627.2        | 624.0                     | 622.9                     |
| Weaving mills, cotton .....                  | 221                 | 97.6          | 96.1         | 95.7         | 95.5                      | -                         | 88.2                            | 86.7         | 86.4         | 86.3                      | -                         |
| Weaving mills, synthetics .....              | 222                 | 91.1          | 91.2         | 90.7         | 89.7                      | -                         | 80.8                            | 81.0         | 80.1         | 79.2                      | -                         |
| Weaving and finishing mills, wool .....      | 223                 | 19.2          | 19.3         | 19.0         | 18.4                      | -                         | 15.6                            | 15.7         | 15.3         | 14.7                      | -                         |
| Narrow fabric mills .....                    | 224                 | 24.6          | 24.7         | 24.8         | 24.8                      | -                         | 21.2                            | 21.2         | 21.1         | 21.0                      | -                         |
| Knitting mills .....                         | 225                 | 209.8         | 208.8        | 211.9        | 212.1                     | -                         | 185.1                           | 184.2        | 185.8        | 185.6                     | -                         |
| Women's hosiery, except socks .....          | 2251                | 32.5          | 32.6         | 32.4         | 32.8                      | -                         | 29.3                            | 29.5         | 28.8         | 29.3                      | -                         |
| Hosiery, nec .....                           | 2252                | 35.9          | 35.9         | 38.1         | 38.0                      | -                         | 32.5                            | 32.3         | 34.6         | 34.3                      | -                         |
| Knit outerwear mills .....                   | 2253                | 70.8          | 69.4         | 71.1         | 71.4                      | -                         | 63.2                            | 61.9         | 62.9         | 63.0                      | -                         |
| Knit underwear mills .....                   | 2254                | 25.9          | 26.0         | 24.7         | 24.6                      | -                         | 21.8                            | 22.1         | 20.8         | 20.8                      | -                         |
| Circular knit fabric mills .....             | 2257                | 25.9          | 26.0         | 27.4         | 27.3                      | -                         | 22.6                            | 22.6         | 23.9         | 23.8                      | -                         |
| Textile finishing, except wool .....         | 226                 | 60.7          | 61.1         | 62.5         | 62.0                      | -                         | 50.1                            | 50.5         | 50.8         | 50.3                      | -                         |
| Finishing plants, cotton .....               | 2261                | 25.5          | 25.8         | 26.7         | 26.5                      | -                         | 21.0                            | 21.3         | 21.4         | 21.2                      | -                         |
| Finishing plants, synthetics .....           | 2262                | 21.5          | 21.6         | 21.8         | 21.9                      | -                         | 17.4                            | 17.5         | 17.5         | 17.5                      | -                         |
| Floor covering mills .....                   | 227                 | 61.6          | 61.2         | 63.1         | 62.9                      | -                         | 50.0                            | 49.8         | 51.4         | 51.2                      | -                         |
| Yarn and thread mills .....                  | 228                 | 107.4         | 106.8        | 103.7        | 103.3                     | -                         | 95.7                            | 95.4         | 93.0         | 92.6                      | -                         |
| Yarn mills, except wool .....                | 2281                | 80.7          | 80.2         | 78.2         | 77.8                      | -                         | 72.8                            | 72.3         | 70.5         | 70.1                      | -                         |
| Throwing and winding mills .....             | 2282                | 14.8          | 14.8         | 14.1         | 13.9                      | -                         | 13.0                            | 13.1         | 12.6         | 12.4                      | -                         |
| Miscellaneous textile goods .....            | 229                 | 56.2          | 56.1         | 55.7         | 55.7                      | -                         | 44.0                            | 43.7         | 43.3         | 43.1                      | -                         |
| Apparel and other textile products .....     | 23                  | 1,095.2       | 1,090.4      | 1,092.6      | 1,090.6                   | 1,085.2                   | 924.4                           | 918.1        | 922.2        | 920.1                     | 915.4                     |
| Men's and boys' suits and coats .....        | 231                 | 58.5          | 58.8         | 54.1         | 54.0                      | -                         | 50.5                            | 50.7         | 45.9         | 45.6                      | -                         |
| Men's and boys' furnishings .....            | 232                 | 298.8         | 298.0        | 300.7        | 299.4                     | -                         | 258.1                           | 257.2        | 260.0        | 259.2                     | -                         |
| Men's and boys' shirts and nightwear .....   | 2321                | 75.6          | 74.9         | 75.5         | 74.5                      | -                         | 64.3                            | 63.8         | 65.3         | 64.3                      | -                         |
| Men's and boys' separate trousers .....      | 2327                | 50.6          | 50.3         | 48.4         | 48.3                      | -                         | 44.1                            | 43.4         | 41.6         | 41.6                      | -                         |
| Men's and boys' work clothing .....          | 2328                | 88.3          | 89.0         | 92.3         | 91.6                      | -                         | 77.0                            | 77.7         | 80.9         | 80.3                      | -                         |
| Women's and misses' outerwear .....          | 233                 | 341.3         | 336.6        | 329.3        | 327.6                     | -                         | 285.9                           | 280.9        | 275.3        | 273.2                     | -                         |
| Women's and misses' blouses and waists ..... | 2331                | 43.7          | 42.9         | 40.9         | 40.4                      | -                         | 36.0                            | 35.2         | 33.8         | 33.1                      | -                         |
| Women's and misses' dresses .....            | 2335                | 77.1          | 75.2         | 72.2         | 73.0                      | -                         | 64.2                            | 62.4         | 59.6         | 60.5                      | -                         |
| Women's and misses' suits and coats .....    | 2337                | 38.7          | 36.2         | 39.1         | 37.9                      | -                         | 32.1                            | 29.7         | 32.5         | 31.5                      | -                         |
| Women's and misses' outerwear, nec .....     | 2339                | 181.8         | 182.3        | 177.1        | 176.3                     | -                         | 153.6                           | 153.6        | 149.4        | 148.1                     | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Nondurable goods—Continued</b>                       |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| <b>Apparel and other textile products—Continued</b>     |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Women's and children's undergarments .....              | 234                 | 71.4          | 70.3         | 68.5         | 68.2                      | -                         | 59.3                            | 58.2         | 57.0         | 56.7                      | -                         |
| Women's and children's underwear .....                  | 2341                | 57.5          | 56.4         | 54.8         | 54.4                      | -                         | 49.6                            | 48.5         | 47.5         | 47.2                      | -                         |
| Brassieres and allied garments .....                    | 2342                | 13.9          | 13.9         | 13.7         | 13.8                      | -                         | 9.7                             | 9.7          | 9.5          | 9.5                       | -                         |
| Children's outerwear .....                              | 236                 | 57.4          | 58.0         | 58.5         | 58.6                      | -                         | 48.3                            | 48.9         | 49.7         | 49.5                      | -                         |
| Children's dresses and blouses .....                    | 2361                | 22.4          | 22.7         | 22.3         | 22.5                      | -                         | 19.6                            | 19.9         | 19.5         | 19.7                      | -                         |
| Misc. apparel and accessories .....                     | 238                 | 43.6          | 42.9         | 45.8         | 45.0                      | -                         | 36.2                            | 35.4         | 38.1         | 37.5                      | -                         |
| Misc. fabricated textile products .....                 | 239                 | 206.0         | 207.4        | 216.4        | 218.3                     | -                         | 171.6                           | 172.2        | 180.5        | 182.4                     | -                         |
| Curtains and draperies .....                            | 2391                | 25.2          | 25.1         | 27.1         | 27.0                      | -                         | 20.7                            | 20.8         | 22.5         | 22.5                      | -                         |
| House furnishings, nec .....                            | 2392                | 56.3          | 55.7         | 60.1         | 60.3                      | -                         | 47.7                            | 46.9         | 50.8         | 50.9                      | -                         |
| Automotive and apparel trimmings .....                  | 2396                | 43.8          | 44.6         | 44.4         | 45.6                      | -                         | 37.3                            | 38.1         | 36.8         | 38.2                      | -                         |
| Paper and allied products .....                         | 26                  | 696.5         | 697.1        | 698.2        | 698.5                     | 699.5                     | 526.1                           | 525.6        | 526.9        | 527.3                     | 528.9                     |
| Paper and pulp mills .....                              | 261,2,6             | 193.8         | 193.8        | 193.8        | 194.1                     | -                         | 147.1                           | 147.1        | 146.7        | 146.9                     | -                         |
| Paper mills, except building paper .....                | 262                 | 173.2         | 173.2        | 173.6        | 174.0                     | -                         | 130.9                           | 131.0        | 130.6        | 130.9                     | -                         |
| Paperboard mills .....                                  | 263                 | 52.3          | 52.7         | 52.3         | 52.5                      | -                         | 40.0                            | 40.4         | 40.0         | 40.1                      | -                         |
| Misc. converted paper products .....                    | 264                 | 241.0         | 241.1        | 239.8        | 240.0                     | -                         | 176.2                           | 175.6        | 175.5        | 176.2                     | -                         |
| Paper coating and glazing .....                         | 2641                | 60.8          | 60.7         | 60.3         | 60.3                      | -                         | 36.2                            | 35.8         | 35.1         | 36.0                      | -                         |
| Envelopes .....   | 2642                | 27.2          | 27.5         | 26.2         | 26.3                      | -                         | 21.1                            | 21.3         | 20.4         | 20.3                      | -                         |
| Bags, except textile bags .....                         | 2643                | 53.6          | 54.3         | 53.9         | 53.9                      | -                         | 42.1                            | 42.8         | 42.2         | 42.2                      | -                         |
| Paperboard containers and boxes .....                   | 265                 | 209.4         | 209.5        | 212.3        | 211.9                     | -                         | 162.8                           | 162.5        | 164.7        | 164.1                     | -                         |
| Folding paperboard boxes .....                          | 2651                | 46.4          | 46.6         | 47.4         | 47.2                      | -                         | 37.2                            | 37.3         | 37.9         | 37.6                      | -                         |
| Corrugated and solid fiber boxes .....                  | 2653                | 113.2         | 113.4        | 114.4        | 114.6                     | -                         | 85.1                            | 85.2         | 86.1         | 86.3                      | -                         |
| Sanitary food containers .....                          | 2654                | 22.3          | 22.2         | 21.7         | 21.5                      | -                         | 18.8                            | 18.6         | 18.1         | 17.9                      | -                         |
| Printing and publishing .....                           | 27                  | 1,587.2       | 1,595.6      | 1,610.2      | 1,622.6                   | 1,625.6                   | 887.6                           | 892.8        | 890.4        | 900.2                     | 904.6                     |
| Newspapers .....  | 271                 | 479.0         | 479.6        | 477.8        | 481.1                     | -                         | 171.7                           | 171.7        | 167.2        | 168.8                     | -                         |
| Periodicals .....                                       | 272                 | 132.9         | 133.5        | 137.2        | 138.8                     | -                         | 47.8                            | 48.3         | 49.5         | 50.5                      | -                         |
| Books .....   | 273                 | 116.4         | 119.4        | 117.0        | 119.0                     | -                         | 60.8                            | 63.7         | 58.7         | 60.9                      | -                         |
| Book publishing .....                                   | 2731                | 85.5          | 86.9         | 86.8         | 88.4                      | -                         | 36.4                            | 37.8         | 34.8         | 36.6                      | -                         |
| Book printing .....                                     | 2732                | 30.9          | 32.5         | 30.2         | 30.6                      | -                         | 24.4                            | 25.9         | 23.9         | 24.3                      | -                         |
| Miscellaneous publishing .....                          | 274                 | 80.3          | 80.9         | 83.2         | 84.0                      | -                         | 41.1                            | 41.3         | 40.5         | 41.9                      | -                         |
| Commercial printing .....                               | 275                 | 565.8         | 568.0        | 577.7        | 581.4                     | -                         | 413.2                           | 413.7        | 419.6        | 422.7                     | -                         |
| Commercial printing, letterpress .....                  | 2751                | 173.7         | 174.7        | 179.6        | 180.2                     | -                         | 125.4                           | 126.1        | 129.3        | 129.8                     | -                         |
| Commercial printing, lithographic .....                 | 2752                | 364.8         | 365.7        | 370.8        | 373.8                     | -                         | 266.1                           | 265.7        | 268.6        | 271.2                     | -                         |
| Manifold business forms .....                           | 276                 | 49.4          | 49.6         | 48.8         | 48.8                      | -                         | 33.9                            | 34.0         | 33.6         | 33.7                      | -                         |
| Blankbooks and bookbinding .....                        | 278                 | 79.1          | 80.0         | 81.8         | 82.1                      | -                         | 62.1                            | 62.9         | 63.1         | 63.3                      | -                         |
| Printing trade services .....                           | 279                 | 59.4          | 59.6         | 60.8         | 61.5                      | -                         | 44.1                            | 44.4         | 44.6         | 45.2                      | -                         |
| Chemicals and allied products .....                     | 28                  | 1,074.0       | 1,076.5      | 1,095.0      | 1,095.4                   | 1,099.1                   | 599.9                           | 602.2        | 614.8        | 614.5                     | 619.4                     |
| Industrial inorganic chemicals .....                    | 281                 | 132.8         | 133.4        | 135.1        | 135.2                     | -                         | 66.1                            | 66.3         | 70.3         | 70.7                      | -                         |
| Industrial inorganic chemicals, nec .....               | 2819                | 90.0          | 90.3         | 91.4         | 91.5                      | -                         | 48.0                            | 47.7         | 48.2         | 48.4                      | -                         |
| Plastics materials and synthetics .....                 | 282                 | 180.3         | 181.5        | 188.5        | 188.6                     | -                         | 118.2                           | 119.3        | 123.6        | 123.5                     | -                         |
| Plastics materials and resins .....                     | 2821                | 84.2          | 84.6         | 88.0         | 87.9                      | -                         | 49.8                            | 50.0         | 52.0         | 51.8                      | -                         |
| Organic fibers, noncellulosic .....                     | 2824                | 67.2          | 68.0         | 71.0         | 70.7                      | -                         | 47.8                            | 48.6         | 50.8         | 50.6                      | -                         |
| Drugs .....   | 283                 | 234.5         | 235.8        | 242.9        | 244.3                     | -                         | 102.9                           | 104.4        | 107.7        | 108.5                     | -                         |
| Pharmaceutical preparations .....                       | 2834                | 193.2         | 194.3        | 200.2        | 201.3                     | -                         | 83.3                            | 84.7         | 89.2         | 89.9                      | -                         |
| Soap, cleaners, and toilet goods .....                  | 284                 | 161.9         | 161.2        | 160.1        | 158.7                     | -                         | 103.3                           | 102.3        | 99.8         | 98.7                      | -                         |
| Soap and other detergents .....                         | 2841                | 44.3          | 44.4         | 44.1         | 44.6                      | -                         | 27.7                            | 27.6         | 27.7         | 28.0                      | -                         |
| Polishing, sanitation, and finishing preparations ..... | 2842,3              | 44.8          | 45.1         | 46.1         | 46.1                      | -                         | 25.5                            | 25.8         | 25.4         | 25.9                      | -                         |
| Toilet preparations .....                               | 2844                | 72.8          | 71.7         | 69.9         | 68.0                      | -                         | 50.1                            | 48.9         | 46.7         | 44.8                      | -                         |
| Paints and allied products .....                        | 285                 | 63.0          | 62.9         | 63.4         | 63.3                      | -                         | 31.2                            | 31.3         | 32.1         | 31.9                      | -                         |
| Industrial organic chemicals .....                      | 286                 | 148.0         | 148.2        | 151.2        | 151.4                     | -                         | 85.7                            | 86.0         | 88.2         | 88.0                      | -                         |
| Cyclic crudes and intermediates .....                   | 2865                | 30.4          | 30.5         | 31.4         | 31.3                      | -                         | 18.6                            | 18.8         | 18.9         | 18.9                      | -                         |
| Gum, wood, and industrial organic chemicals, nec .....  | 2861,9              | 117.6         | 117.7        | 119.8        | 120.1                     | -                         | 67.1                            | 67.2         | 69.3         | 69.1                      | -                         |
| Agricultural chemicals .....                            | 287                 | 51.6          | 52.0         | 52.2         | 52.7                      | -                         | 32.6                            | 32.9         | 32.2         | 32.6                      | -                         |
| Miscellaneous chemical products .....                   | 289                 | 101.9         | 101.5        | 101.6        | 101.2                     | -                         | 59.9                            | 59.7         | 60.9         | 60.6                      | -                         |
| Petroleum and coal products .....                       | 29                  | 162.5         | 159.8        | 165.0        | 163.9                     | 160.3                     | 105.9                           | 103.9        | 108.4        | 108.3                     | 104.3                     |
| Petroleum refining .....                                | 291                 | 122.2         | 121.8        | 123.4        | 123.3                     | -                         | 77.8                            | 77.9         | 78.7         | 79.4                      | -                         |
| Paving and roofing materials .....                      | 295                 | 27.8          | 25.4         | 28.6         | 27.6                      | -                         | 21.2                            | 19.0         | 22.4         | 21.5                      | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Nondurable goods—Continued</b>                                   |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Rubber and misc. plastics products .....                            | 30                  | 840.9         | 841.7        | 838.8        | 836.3                     | 833.0                     | 657.2                           | 658.2        | 654.0        | 651.3                     | 648.6                     |
| Tires and inner tubes .....   | 301                 | 84.6          | 84.4         | 84.1         | 84.3                      | -                         | 62.9                            | 62.9         | 63.1         | 62.6                      | -                         |
| Rubber and plastics footwear .....                                  | 302                 | 11.3          | 11.0         | 11.4         | 11.1                      | -                         | 9.3                             | 9.2          | 9.4          | 9.2                       | -                         |
| Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 303,4               | 27.3          | 27.7         | 27.3         | 27.1                      | -                         | 20.4                            | 20.7         | 20.5         | 20.3                      | -                         |
| Fabricated rubber products, nec .....                               | 306                 | 102.0         | 102.0        | 98.5         | 98.2                      | -                         | 78.6                            | 78.5         | 75.4         | 75.5                      | -                         |
| Miscellaneous plastics products .....                               | 307                 | 615.7         | 616.6        | 617.5        | 615.6                     | -                         | 486.0                           | 486.9        | 485.6        | 483.7                     | -                         |
| Leather and leather products .....                                  | 31                  | 145.1         | 142.9        | 141.1        | 139.6                     | 139.3                     | 120.1                           | 118.0        | 117.0        | 115.7                     | 115.2                     |
| Leather tanning and finishing .....                                 | 311                 | 13.8          | 14.0         | 14.5         | 14.3                      | -                         | 11.5                            | 11.7         | 12.2         | 12.0                      | -                         |
| Footwear, except rubber .....                                       | 314                 | 83.2          | 82.5         | 78.3         | 77.7                      | -                         | 71.0                            | 70.1         | 66.8         | 66.1                      | -                         |
| Men's footwear, except athletic .....                               | 3143                | 37.5          | 37.2         | 33.8         | 33.7                      | -                         | 30.3                            | 29.7         | 27.7         | 27.5                      | -                         |
| Women's footwear, except athletic .....                             | 3144                | 27.9          | 28.1         | 27.4         | 27.3                      | -                         | 24.7                            | 25.0         | 24.3         | 24.2                      | -                         |
| Luggage .....   | 316                 | 11.9          | 11.5         | 12.1         | 12.1                      | -                         | 8.8                             | 8.4          | 8.8          | 8.9                       | -                         |
| Handbags and personal leather goods .....                           | 317                 | 16.8          | 15.7         | 16.9         | 16.5                      | -                         | 12.9                            | 11.9         | 13.6         | 13.2                      | -                         |
| <b>Transportation and public utilities .....</b>                    |                     | <b>5,656</b>  | <b>5,680</b> | <b>5,777</b> | <b>5,786</b>              | <b>5,864</b>              | <b>4,707</b>                    | <b>4,735</b> | <b>4,825</b> | <b>4,825</b>              | <b>4,897</b>              |
| Transportation .....  |                     | 3,443         | 3,471        | 3,616        | 3,630                     | 3,651                     | -                               | -            | -            | -                         | -                         |
| Railroad transportation .....                                       | 40                  | 299.3         | 296.2        | 295.0        | 292.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Class I railroads <sup>2</sup> .....                                | 4011                | 258.6         | 255.5        | 250.5        | 248.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Local and interurban passenger transit .....                        | 41                  | 330.1         | 330.2        | 353.3        | 354.0                     | -                         | 303.5                           | 303.4        | 323.0        | 323.5                     | -                         |
| Local and suburban transportation .....                             | 411                 | 123.0         | 123.4        | 133.9        | 135.2                     | -                         | 111.8                           | 112.0        | 119.5        | 120.8                     | -                         |
| Taxicabs .....  | 412                 | 35.8          | 35.8         | 34.7         | 35.1                      | -                         | -                               | -            | -            | -                         | -                         |
| Intercity highway transportation .....                              | 413                 | 29.7          | 29.5         | 30.4         | 30.2                      | -                         | 26.8                            | 26.5         | 27.0         | 26.7                      | -                         |
| School buses .....  | 415                 | 112.4         | 112.9        | 121.1        | 121.6                     | -                         | -                               | -            | -            | -                         | -                         |
| Trucking and warehousing .....                                      | 42                  | 1,637.6       | 1,660.6      | 1,703.8      | 1,714.8                   | -                         | 1,429.5                         | 1,454.2      | 1,490.5      | 1,499.5                   | -                         |
| Trucking and trucking terminals .....                               | 421,3               | 1,512.5       | 1,539.4      | 1,569.6      | 1,584.8                   | -                         | 1,323.1                         | 1,351.8      | 1,376.9      | 1,389.6                   | -                         |
| Public warehousing .....  | 422                 | 125.1         | 121.2        | 134.2        | 130.0                     | -                         | 106.4                           | 102.4        | 113.6        | 109.9                     | -                         |
| Water transportation .....  | 44                  | 172.5         | 170.5        | 175.6        | 170.2                     | -                         | -                               | -            | -            | -                         | -                         |
| Local water transportation .....                                    | 445                 | 28.9          | 28.2         | 32.2         | 30.8                      | -                         | -                               | -            | -            | -                         | -                         |
| Water transportation services .....                                 | 446                 | 92.3          | 90.8         | 92.7         | 89.8                      | -                         | -                               | -            | -            | -                         | -                         |
| Transportation by air .....   | 45                  | 659.2         | 668.4        | 720.9        | 729.1                     | -                         | -                               | -            | -            | -                         | -                         |
| Air transportation .....  | 451,2               | 568.7         | 576.3        | 622.6        | 629.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Air transportation services .....                                   | 458                 | 90.5          | 92.1         | 98.3         | 99.6                      | -                         | -                               | -            | -            | -                         | -                         |
| Pipe lines, except natural gas .....                                | 46                  | 18.3          | 18.4         | 19.1         | 19.0                      | -                         | 12.9                            | 12.9         | 13.7         | 13.6                      | -                         |
| Transportation services .....                                       | 47                  | 325.9         | 326.6        | 348.6        | 350.1                     | -                         | -                               | -            | -            | -                         | -                         |
| Freight forwarding .....  | 471                 | 73.4          | 73.9         | 77.9         | 78.6                      | -                         | -                               | -            | -            | -                         | -                         |
| Communication and public utilities .....                            |                     | 2,213         | 2,209        | 2,161        | 2,156                     | 2,213                     | -                               | -            | -            | -                         | -                         |
| Communication .....   | 48                  | 1,280.1       | 1,279.0      | 1,222.7      | 1,219.4                   | -                         | 969.3                           | 969.6        | 924.6        | 918.8                     | -                         |
| Telephone communication .....                                       | 481                 | 892.6         | 889.6        | 822.5        | 820.1                     | -                         | 655.8                           | 654.4        | 600.3        | 596.1                     | -                         |
| Radio and television broadcasting .....                             | 483                 | 241.2         | 242.6        | 246.5        | 247.0                     | -                         | 199.3                           | 200.6        | 203.5        | 204.3                     | -                         |
| Radio broadcasting .....  | 4832                | 120.0         | 120.7        | 122.5        | 122.9                     | -                         | -                               | -            | -            | -                         | -                         |
| Television broadcasting .....                                       | 4833                | 121.2         | 121.9        | 124.0        | 124.1                     | -                         | -                               | -            | -            | -                         | -                         |
| Electric, gas, and sanitary services .....                          | 49                  | 932.9         | 930.4        | 938.4        | 936.8                     | -                         | 735.9                           | 734.2        | 741.0        | 738.8                     | -                         |
| Electric services .....   | 491                 | 452.6         | 450.9        | 447.1        | 446.1                     | -                         | 344.6                           | 343.4        | 342.5        | 341.9                     | -                         |
| Gas production and distribution .....                               | 492                 | 165.3         | 164.8        | 167.8        | 168.2                     | -                         | 130.2                           | 129.9        | 131.6        | 131.7                     | -                         |
| Combination utility services .....                                  | 493                 | 192.9         | 192.2        | 193.2        | 193.0                     | -                         | 157.6                           | 157.1        | 156.3        | 155.6                     | -                         |
| Sanitary services .....   | 495                 | 93.4          | 93.8         | 100.7        | 100.1                     | -                         | 81.2                            | 81.4         | 87.5         | 86.7                      | -                         |
| <b>Wholesale trade .....</b>  |                     | <b>6,116</b>  | <b>6,128</b> | <b>6,302</b> | <b>6,307</b>              | <b>6,314</b>              | <b>4,929</b>                    | <b>4,934</b> | <b>5,073</b> | <b>5,072</b>              | <b>5,062</b>              |
| Durable goods .....   | 50                  | 3,614         | 3,626        | 3,725        | 3,737                     | 3,748                     | 2,888                           | 2,898        | 2,973        | 2,982                     | -                         |
| Motor vehicles and automotive equipment .....                       | 501                 | 433.7         | 434.6        | 436.4        | 435.7                     | -                         | 348.8                           | 349.7        | 352.7        | 352.4                     | -                         |
| Automobiles and other motor vehicles .....                          | 5012                | 121.9         | 121.5        | 122.7        | 122.0                     | -                         | -                               | -            | -            | -                         | -                         |
| Automotive parts and supplies .....                                 | 5013                | 280.8         | 282.5        | 282.4        | 282.3                     | -                         | -                               | -            | -            | -                         | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |               |               |                           |                           | Production workers <sup>1</sup> |               |               |                           |                           |
|---|---------------------|---------------|---------------|---------------|---------------------------|---------------------------|---------------------------------|---------------|---------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Wholesale trade—Continued</b>                |                     |               |               |               |                           |                           |                                 |               |               |                           |                           |
| Durable goods—Continued                         |                     |               |               |               |                           |                           |                                 |               |               |                           |                           |
| Furniture and home furnishings .....            | 502                 | 155.5         | 154.9         | 156.8         | 158.7                     | -                         | 126.1                           | 125.3         | 126.7         | 128.5                     | -                         |
| Furniture .....                                 | 5021                | 70.6          | 70.3          | 72.3          | 72.2                      | -                         | -                               | -             | -             | -                         | -                         |
| Home furnishings .....                          | 5023                | 84.9          | 84.6          | 84.5          | 86.5                      | -                         | -                               | -             | -             | -                         | -                         |
| Lumber and construction materials .....         | 503                 | 230.6         | 230.0         | 243.0         | 243.3                     | -                         | 188.7                           | 188.2         | 199.2         | 199.2                     | -                         |
| Lumber, plywood, and millwork .....             | 5031                | 119.3         | 119.4         | 125.1         | 125.4                     | -                         | -                               | -             | -             | -                         | -                         |
| Construction materials, nec .....               | 5039                | 111.3         | 110.6         | 117.9         | 117.9                     | -                         | -                               | -             | -             | -                         | -                         |
| Sporting goods, toys, and hobby goods .....     | 504                 | 93.0          | 94.2          | 98.3          | 100.1                     | -                         | 74.9                            | 76.1          | 78.7          | 80.4                      | -                         |
| Metals and minerals, except petroleum .....     | 505                 | 142.8         | 143.7         | 144.3         | 143.9                     | -                         | 113.3                           | 113.8         | 114.4         | 114.0                     | -                         |
| Electrical goods .....                          | 506                 | 513.0         | 515.4         | 535.4         | 540.4                     | -                         | 393.6                           | 396.6         | 406.4         | 409.4                     | -                         |
| Electrical apparatus and equipment .....        | 5063                | 268.1         | 269.2         | 282.2         | 285.5                     | -                         | -                               | -             | -             | -                         | -                         |
| Electrical appliances, TV and radios .....      | 5064                | 67.6          | 68.2          | 69.4          | 70.1                      | -                         | -                               | -             | -             | -                         | -                         |
| Electronic parts and equipment .....            | 5065                | 177.3         | 178.0         | 183.8         | 184.8                     | -                         | -                               | -             | -             | -                         | -                         |
| Hardware, plumbing, and heating equipment ..... | 507                 | 280.7         | 281.7         | 282.4         | 281.9                     | -                         | 226.7                           | 227.3         | 228.9         | 227.9                     | -                         |
| Hardware .....                                  | 5072                | 98.1          | 98.4          | 96.2          | 95.8                      | -                         | -                               | -             | -             | -                         | -                         |
| Plumbing and hydronic heating supplies .....    | 5074                | 114.9         | 115.6         | 116.9         | 117.3                     | -                         | -                               | -             | -             | -                         | -                         |
| Machinery, equipment, and supplies .....        | 508                 | 1,533.7       | 1,539.3       | 1,587.4       | 1,590.9                   | -                         | 1,229.2                         | 1,233.0       | 1,271.9       | 1,274.5                   | -                         |
| Commercial machines and equipment .....         | 5081                | 551.3         | 553.9         | 561.5         | 562.4                     | -                         | -                               | -             | -             | -                         | -                         |
| Construction and mining machinery .....         | 5082                | 83.1          | 83.1          | 87.3          | 87.3                      | -                         | -                               | -             | -             | -                         | -                         |
| Farm machinery and equipment .....              | 5083                | 117.2         | 117.0         | 125.5         | 124.8                     | -                         | -                               | -             | -             | -                         | -                         |
| Industrial machinery and equipment .....        | 5084                | 338.7         | 339.8         | 352.9         | 355.3                     | -                         | -                               | -             | -             | -                         | -                         |
| Industrial supplies .....                       | 5085                | 141.3         | 141.7         | 148.8         | 149.2                     | -                         | -                               | -             | -             | -                         | -                         |
| Professional equipment and supplies .....       | 5086                | 176.5         | 177.2         | 180.3         | 181.0                     | -                         | -                               | -             | -             | -                         | -                         |
| Miscellaneous durable goods .....               | 509                 | 231.3         | 232.3         | 241.1         | 241.9                     | -                         | 186.7                           | 187.8         | 194.5         | 195.8                     | -                         |
| Scrap and waste materials .....                 | 5093                | 107.7         | 108.7         | 113.3         | 113.4                     | -                         | -                               | -             | -             | -                         | -                         |
| Nondurable goods .....                          | 51                  | 2,502         | 2,502         | 2,577         | 2,570                     | 2,566                     | 2,041                           | 2,036         | 2,100         | 2,090                     | -                         |
| Paper and paper products .....                  | 511                 | 221.9         | 223.4         | 231.3         | 231.8                     | -                         | 180.1                           | 180.5         | 185.1         | 185.3                     | -                         |
| Drugs, proprietaries, and sundries .....        | 512                 | 185.1         | 186.3         | 190.0         | 192.0                     | -                         | 156.1                           | 157.1         | 159.3         | 161.3                     | -                         |
| Apparel, piece goods, and notions .....         | 513                 | 195.3         | 194.3         | 206.9         | 206.3                     | -                         | 151.0                           | 150.5         | 160.9         | 160.2                     | -                         |
| Groceries and related products .....            | 514                 | 836.3         | 834.5         | 843.9         | 848.0                     | -                         | 704.7                           | 700.9         | 712.0         | 713.6                     | -                         |
| Groceries, general line .....                   | 5141                | 268.2         | 267.9         | 276.3         | 278.5                     | -                         | -                               | -             | -             | -                         | -                         |
| Meats and meat products .....                   | 5147                | 67.0          | 67.2          | 66.1          | 66.8                      | -                         | -                               | -             | -             | -                         | -                         |
| Fresh fruits and vegetables .....               | 5148                | 105.6         | 105.4         | 103.3         | 101.7                     | -                         | -                               | -             | -             | -                         | -                         |
| Chemicals and allied products .....             | 516                 | 126.7         | 127.2         | 128.2         | 128.0                     | -                         | 92.5                            | 92.4          | 93.3          | 93.2                      | -                         |
| Petroleum and petroleum products .....          | 517                 | 203.4         | 204.5         | 208.7         | 207.9                     | -                         | 159.5                           | 160.4         | 164.3         | 164.1                     | -                         |
| Petroleum bulk stations and terminals .....     | 5171                | 85.0          | 85.4          | 88.3          | 87.6                      | -                         | -                               | -             | -             | -                         | -                         |
| Petroleum products, nec .....                   | 5172                | 118.4         | 119.1         | 120.4         | 120.3                     | -                         | -                               | -             | -             | -                         | -                         |
| Beer, wine, and distilled beverages .....       | 518                 | 151.5         | 152.3         | 154.9         | 155.2                     | -                         | 124.1                           | 124.6         | 126.6         | 126.8                     | -                         |
| Beer and ale .....                              | 5181                | 95.4          | 95.7          | 98.4          | 98.1                      | -                         | -                               | -             | -             | -                         | -                         |
| Wines and distilled beverages .....             | 5182                | 56.1          | 56.6          | 56.5          | 57.1                      | -                         | -                               | -             | -             | -                         | -                         |
| Miscellaneous nondurable goods .....            | 519                 | 452.3         | 452.7         | 479.4         | 477.0                     | -                         | 366.4                           | 366.4         | 387.5         | 384.5                     | -                         |
| Farm supplies .....                             | 5191                | 149.8         | 148.2         | 163.3         | 158.7                     | -                         | -                               | -             | -             | -                         | -                         |
| <b>Retail trade .....</b>                       |                     | <b>19,573</b> | <b>19,954</b> | <b>19,718</b> | <b>20,021</b>             | <b>20,344</b>             | <b>17,351</b>                   | <b>17,720</b> | <b>17,453</b> | <b>17,752</b>             | <b>18,047</b>             |
| Building materials and garden supplies .....    | 52                  | 770.4         | 763.5         | 774.1         | 770.6                     | -                         | 637.4                           | 630.9         | 642.1         | 638.8                     | -                         |
| Lumber and other building materials .....       | 521                 | 430.2         | 425.1         | 428.7         | 425.9                     | -                         | 361.6                           | 356.3         | 362.7         | 359.3                     | -                         |
| Hardware stores .....                           | 525                 | 163.5         | 164.4         | 170.3         | 171.8                     | -                         | 135.9                           | 136.7         | 140.4         | 141.8                     | -                         |
| General merchandise stores .....                | 53                  | 2,615.4       | 2,758.9       | 2,489.9       | 2,641.3                   | 2,768.9                   | 2,424.2                         | 2,566.3       | 2,318.7       | 2,468.5                   | -                         |
| Department stores .....                         | 531                 | 2,165.3       | 2,277.0       | 2,067.2       | 2,193.5                   | -                         | 2,018.7                         | 2,129.7       | 1,937.2       | 2,062.7                   | -                         |
| Variety stores .....                            | 533                 | 253.0         | 264.8         | 232.4         | 242.5                     | -                         | 231.9                           | 243.7         | 214.0         | 224.0                     | -                         |
| Misc. general merchandise stores .....          | 539                 | 197.1         | 217.1         | 190.3         | 205.3                     | -                         | 173.6                           | 192.9         | 167.5         | 181.8                     | -                         |
| Food stores .....                               | 54                  | 3,200.7       | 3,248.7       | 3,327.4       | 3,371.9                   | 3,415.7                   | 2,948.0                         | 2,994.4       | 3,060.4       | 3,107.3                   | -                         |
| Grocery stores .....                            | 541                 | 2,828.5       | 2,859.6       | 2,938.0       | 2,970.9                   | -                         | 2,620.6                         | 2,648.9       | 2,718.0       | 2,753.0                   | -                         |
| Meat markets and freezer provisioners .....     | 542                 | 55.7          | 57.6          | 57.2          | 58.8                      | -                         | -                               | -             | -             | -                         | -                         |
| Dairy products stores .....                     | 545                 | 31.3          | 33.8          | 34.3          | 34.6                      | -                         | -                               | -             | -             | -                         | -                         |
| Retail bakeries .....                           | 546                 | 176.9         | 178.1         | 180.9         | 181.9                     | -                         | 158.6                           | 160.8         | 162.1         | 163.4                     | -                         |
| Automotive dealers and service stations .....   | 55                  | 2,126.9       | 2,124.1       | 2,176.0       | 2,164.8                   | 2,151.8                   | 1,774.2                         | 1,773.1       | 1,814.5       | 1,802.7                   | -                         |
| New and used car dealers .....                  | 551,2               | 1,047.0       | 1,044.8       | 1,047.2       | 1,040.3                   | -                         | 867.3                           | 865.3         | 867.8         | 862.1                     | -                         |
| Auto and home supply stores .....               | 553                 | 343.8         | 343.3         | 364.7         | 365.3                     | -                         | 277.2                           | 276.5         | 292.7         | 293.0                     | -                         |
| Gasoline service stations .....                 | 554                 | 633.3         | 634.1         | 646.7         | 644.4                     | -                         | 549.0                           | 551.1         | 560.9         | 557.3                     | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry   | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|--|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Retail trade—Continued</b>                                |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Apparel and accessory stores .....                           | 56                  | 1,219.4       | 1,292.6      | 1,183.8      | 1,236.1                   | -                         | 1,037.2                         | 1,105.2      | 994.8        | 1,045.4                   | -                         |
| Men's and boys' clothing and furnishings .....               | 561                 | 111.2         | 119.3        | 106.8        | 111.3                     | -                         | 90.7                            | 98.3         | 85.3         | 89.9                      | -                         |
| Women's ready-to-wear stores .....                           | 562                 | 423.7         | 445.6        | 415.3        | 427.9                     | -                         | 358.6                           | 379.8        | 346.9        | 358.0                     | -                         |
| Family clothing stores .....                                 | 565                 | 296.1         | 327.7        | 274.5        | 297.7                     | -                         | 260.8                           | 288.7        | 237.6        | 260.0                     | -                         |
| Shoe stores .....  | 566                 | 231.4         | 237.5        | 233.3        | 239.1                     | -                         | 193.6                           | 199.1        | 194.0        | 200.1                     | -                         |
| Furniture and home furnishings stores .....                  | 57                  | 815.9         | 831.3        | 813.6        | 828.7                     | -                         | 670.0                           | 685.9        | 667.5        | 683.2                     | -                         |
| Furniture and home furnishings stores .....                  | 571                 | 471.5         | 477.6        | 475.7        | 480.6                     | -                         | 385.7                           | 391.2        | 386.8        | 392.1                     | -                         |
| Furniture stores .....                                       | 5712                | 289.8         | 291.9        | 291.5        | 294.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Household appliance stores .....                             | 572                 | 82.9          | 83.9         | 75.6         | 76.8                      | -                         | 69.3                            | 70.3         | 62.9         | 64.1                      | -                         |
| Radio, television, and music stores .....                    | 573                 | 261.5         | 269.8        | 262.3        | 271.3                     | -                         | 215.0                           | 224.4        | 217.8        | 227.0                     | -                         |
| Radio and television stores .....                            | 5732                | 183.2         | 188.2        | 182.6        | 188.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Music stores .....   | 5733                | 78.3          | 81.6         | 79.7         | 82.8                      | -                         | -                               | -            | -            | -                         | -                         |
| Eating and drinking places .....                             | 58                  | 6,278.1       | 6,286.8      | 6,409.0      | 6,378.3                   | 6,393.8                   | 5,708.9                         | 5,713.9      | 5,817.7      | 5,786.6                   | -                         |
| Miscellaneous retail .....                                   | 59                  | 2,546.4       | 2,647.8      | 2,544.0      | 2,628.8                   | -                         | 2,151.2                         | 2,250.1      | 2,137.2      | 2,219.7                   | -                         |
| Drug stores and proprietary stores .....                     | 591                 | 600.4         | 612.6        | 615.0        | 621.6                     | -                         | 511.2                           | 522.6        | 521.0        | 526.4                     | -                         |
| Liquor stores .....  | 592                 | 124.1         | 127.3        | 125.2        | 126.3                     | -                         | -                               | -            | -            | -                         | -                         |
| Miscellaneous shopping goods stores .....                    | 594                 | 936.2         | 1,007.9      | 914.4        | 977.4                     | -                         | 792.0                           | 861.8        | 764.9        | 827.1                     | -                         |
| Sporting goods and bicycle shops .....                       | 5941                | 163.6         | 171.7        | 167.6        | 174.0                     | -                         | -                               | -            | -            | -                         | -                         |
| Book stores .....  | 5942                | 91.3          | 96.1         | 92.8         | 95.7                      | -                         | -                               | -            | -            | -                         | -                         |
| Stationery stores .....                                      | 5943                | 84.9          | 85.9         | 85.4         | 87.1                      | -                         | -                               | -            | -            | -                         | -                         |
| Jewelry stores .....   | 5944                | 168.0         | 182.3        | 163.0        | 173.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Gift, novelty, and souvenir shops .....                      | 5947                | 190.9         | 202.7        | 197.6        | 199.9                     | -                         | -                               | -            | -            | -                         | -                         |
| Sewing, needlework, and piece goods .....                    | 5949                | 66.0          | 67.6         | 65.3         | 66.4                      | -                         | -                               | -            | -            | -                         | -                         |
| Nonstore retailers .....                                     | 596                 | 291.8         | 288.9        | 268.2        | 272.8                     | -                         | 261.7                           | 258.2        | 238.4        | 242.4                     | -                         |
| Mail order houses .....                                      | 5961                | 151.4         | 148.6        | 134.6        | 138.8                     | -                         | -                               | -            | -            | -                         | -                         |
| Merchandising machine operators .....                        | 5962                | 86.9          | 87.1         | 86.0         | 86.1                      | -                         | -                               | -            | -            | -                         | -                         |
| Fuel and ice dealers .....                                   | 598                 | 116.6         | 119.5        | 118.9        | 120.9                     | -                         | 97.6                            | 100.4        | 99.0         | 101.0                     | -                         |
| Retail stores, nec .....                                     | 599                 | 395.9         | 409.4        | 414.4        | 420.6                     | -                         | 319.9                           | 334.6        | 339.6        | 346.2                     | -                         |
| <b>Finance, insurance, and real estate<sup>3</sup></b> ..... |                     | <b>6,702</b>  | <b>6,726</b> | <b>6,834</b> | <b>6,849</b>              | <b>6,867</b>              | <b>4,852</b>                    | <b>4,868</b> | <b>4,957</b> | <b>4,962</b>              | <b>4,977</b>              |
| Finance .....  |                     | 3,289         | 3,304        | 3,332        | 3,346                     | 3,356                     | -                               | -            | -            | -                         | -                         |
| Banking .....  | 60                  | 1,740.1       | 1,749.5      | 1,781.5      | 1,789.2                   | -                         | 1,238.7                         | 1,247.4      | 1,267.3      | 1,272.6                   | -                         |
| Commercial and stock savings banks .....                     | 602                 | 1,554.4       | 1,561.3      | 1,574.1      | 1,578.7                   | -                         | 1,103.6                         | 1,109.9      | 1,117.5      | 1,120.8                   | -                         |
| State banks, Federal Reserve .....                           | 6022                | 315.4         | 316.7        | 315.5        | 316.7                     | -                         | -                               | -            | -            | -                         | -                         |
| State banks, not Federal Reserve .....                       | 6023,4              | 360.7         | 362.0        | 367.4        | 368.0                     | -                         | -                               | -            | -            | -                         | -                         |
| Mutual savings banks .....                                   | 603                 | 79.4          | 79.8         | 79.0         | 79.3                      | -                         | -                               | -            | -            | -                         | -                         |
| Credit agencies other than banks .....                       | 61                  | 899.9         | 903.3        | 905.8        | 909.3                     | -                         | 670.9                           | 673.6        | 681.4        | 685.3                     | -                         |
| Savings and loan associations .....                          | 612                 | 402.4         | 403.5        | 399.5        | 400.3                     | -                         | 304.4                           | 304.9        | 303.2        | 304.6                     | -                         |
| Federal savings and loan associations .....                  | 6122                | 232.2         | 232.9        | 231.0        | 231.9                     | -                         | -                               | -            | -            | -                         | -                         |
| State associations, insured .....                            | 6123                | 165.0         | 165.4        | 163.4        | 163.3                     | -                         | -                               | -            | -            | -                         | -                         |
| Personal credit institutions .....                           | 614                 | 259.9         | 261.2        | 269.1        | 269.2                     | -                         | 201.5                           | 202.7        | 209.3        | 209.4                     | -                         |
| Business credit institutions .....                           | 615                 | 61.5          | 62.5         | 69.0         | 69.8                      | -                         | -                               | -            | -            | -                         | -                         |
| Mortgage bankers and brokers .....                           | 616                 | 153.5         | 153.6        | 146.6        | 148.3                     | -                         | -                               | -            | -            | -                         | -                         |
| Security, commodity brokers, and services .....              | 62                  | 441.5         | 442.5        | 430.0        | 430.7                     | -                         | -                               | -            | -            | -                         | -                         |
| Security brokers and dealers .....                           | 621                 | 345.7         | 345.7        | 330.6        | 330.2                     | -                         | -                               | -            | -            | -                         | -                         |
| Holding and other investment offices .....                   | 67                  | 207.9         | 209.1        | 214.7        | 216.6                     | -                         | -                               | -            | -            | -                         | -                         |
| Insurance .....  |                     | 2,099         | 2,109        | 2,130        | 2,138                     | 2,145                     | -                               | -            | -            | -                         | -                         |
| Insurance carriers .....                                     | 63                  | 1,449.6       | 1,455.4      | 1,470.1      | 1,474.4                   | -                         | 969.6                           | 973.4        | 979.0        | 981.9                     | -                         |
| Life insurance .....   | 631                 | 575.0         | 576.6        | 573.8        | 573.7                     | -                         | 344.1                           | 345.4        | 348.4        | 349.9                     | -                         |
| Medical service and health insurance .....                   | 632                 | 223.2         | 225.1        | 236.1        | 238.5                     | -                         | 180.2                           | 181.7        | 189.8        | 190.9                     | -                         |
| Fire, marine, and casualty insurance .....                   | 633                 | 542.5         | 544.8        | 546.5        | 547.9                     | -                         | 362.7                           | 363.7        | 353.0        | 353.0                     | -                         |
| Title insurance .....  | 636                 | 58.4          | 58.1         | 60.5         | 60.8                      | -                         | -                               | -            | -            | -                         | -                         |
| Insurance agents, brokers, and service .....                 | 64                  | 649.8         | 653.5        | 659.9        | 663.9                     | -                         | -                               | -            | -            | -                         | -                         |

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry   | 1972<br>SIC<br>Code | All employees |               |               |                           |                           | Production workers <sup>1</sup> |               |               |                           |                           |
|--|---------------------|---------------|---------------|---------------|---------------------------|---------------------------|---------------------------------|---------------|---------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988  | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Finance, insurance, and real estate—Continued</b>       |                     |               |               |               |                           |                           |                                 |               |               |                           |                           |
| Real estate, and combined real estate, insurance, etc .... |                     | 1,314         | 1,313         | 1,372         | 1,365                     | 1,366                     | -                               | -             | -             | -                         | -                         |
| Real estate .....  | 65                  | 1,304.2       | 1,303.6       | 1,363.3       | 1,355.7                   | -                         | -                               | -             | -             | -                         |                           |
| Real estate operators and lessors .....                    | 651                 | 567.5         | 572.7         | 593.7         | 593.2                     | -                         | -                               | -             | -             | -                         |                           |
| Real estate agents and managers .....                      | 653                 | 539.0         | 536.5         | 553.4         | 551.7                     | -                         | -                               | -             | -             | -                         |                           |
| Subdividers and developers .....                           | 655                 | 166.2         | 162.8         | 183.2         | 177.4                     | -                         | -                               | -             | -             | -                         |                           |
| Combined real estate, insurance, etc .....                 | 66                  | 9.3           | 9.0           | 8.9           | 8.8                       | -                         | -                               | -             | -             | -                         |                           |
| <b>Services .....</b>                                      |                     | <b>26,081</b> | <b>26,123</b> | <b>27,297</b> | <b>27,294</b>             | <b>27,295</b>             | <b>22,805</b>                   | <b>22,831</b> | <b>23,824</b> | <b>23,807</b>             | <b>23,790</b>             |
| Hotels and other lodging places .....                      | 70                  | 1,536.0       | 1,522.9       | 1,595.9       | 1,560.4                   | -                         | -                               | -             | -             | -                         |                           |
| Hotels, motels, and tourist courts .....                   | 701                 | 1,497.5       | 1,486.1       | 1,548.5       | 1,515.2                   | -                         | 1,333.5                         | 1,321.3       | 1,376.4       | 1,343.6                   |                           |
| Personal services .....                                    | 72                  | 1,163.3       | 1,169.9       | 1,187.8       | 1,194.8                   | -                         | -                               | -             | -             | -                         |                           |
| Laundry, cleaning, and garment services .....              | 721                 | 414.1         | 415.0         | 412.8         | 415.3                     | -                         | 367.9                           | 368.4         | 366.7         | 368.9                     |                           |
| Photographic studios, portrait .....                       | 722                 | 62.8          | 62.2          | 66.7          | 68.8                      | -                         | -                               | -             | -             | -                         |                           |
| Beauty shops .....   | 723                 | 366.2         | 367.4         | 371.7         | 375.1                     | -                         | 326.4                           | 327.9         | 331.9         | 335.3                     |                           |
| Funeral service and crematories .....                      | 726                 | 79.4          | 80.3          | 81.2          | 81.8                      | -                         | -                               | -             | -             | -                         |                           |
| Business services .....                                    | 73                  | 5,716.1       | 5,744.5       | 5,885.1       | 5,878.0                   | 5,886.5                   | 4,896.3                         | 4,920.6       | 5,015.8       | 5,005.4                   |                           |
| Advertising .....  | 731                 | 246.6         | 250.5         | 258.9         | 258.5                     | -                         | 182.3                           | 186.1         | 191.7         | 190.6                     |                           |
| Advertising agencies .....                                 | 7311                | 178.1         | 180.1         | 187.5         | 187.0                     | -                         | -                               | -             | -             | -                         |                           |
| Credit reporting and collection .....                      | 732                 | 92.2          | 91.9          | 96.0          | 96.0                      | -                         | -                               | -             | -             | -                         |                           |
| Mailing, reproduction, and stenographic .....              | 733                 | 230.2         | 232.0         | 256.0         | 261.2                     | -                         | -                               | -             | -             | -                         |                           |
| Services to buildings .....                                | 734                 | 803.0         | 800.4         | 811.2         | 809.5                     | -                         | 726.5                           | 726.4         | 733.8         | 732.1                     |                           |
| Personnel supply services .....                            | 736                 | 1,399.3       | 1,412.6       | 1,373.0       | 1,353.1                   | -                         | -                               | -             | -             | -                         |                           |
| Employment agencies .....                                  | 7361                | 226.6         | 226.0         | 216.0         | 214.4                     | -                         | -                               | -             | -             | -                         |                           |
| Temporary help supply services .....                       | 7362                | 1,066.4       | 1,081.0       | 1,052.2       | 1,035.9                   | -                         | -                               | -             | -             | -                         |                           |
| Computer and data processing services .....                | 737                 | 709.8         | 720.2         | 783.3         | 791.7                     | -                         | 549.8                           | 557.7         | 606.4         | 613.2                     |                           |
| Computer programming and software .....                    | 7372                | 326.0         | 331.3         | 366.4         | 369.9                     | -                         | -                               | -             | -             | -                         |                           |
| Data processing services .....                             | 7374                | 264.2         | 268.3         | 289.7         | 293.6                     | -                         | -                               | -             | -             | -                         |                           |
| Miscellaneous business services .....                      | 739                 | 2,222.7       | 2,224.4       | 2,293.3       | 2,294.6                   | -                         | -                               | -             | -             | -                         |                           |
| Research development laboratories, nec .....               | 7391                | 213.8         | 215.5         | 220.4         | 219.4                     | -                         | -                               | -             | -             | -                         |                           |
| Management and public relations .....                      | 7392                | 543.0         | 543.5         | 554.0         | 556.3                     | -                         | -                               | -             | -             | -                         |                           |
| Detective and protective services .....                    | 7393                | 474.7         | 473.5         | 485.9         | 486.7                     | -                         | -                               | -             | -             | -                         |                           |
| Equipment rental and leasing .....                         | 7394                | 266.4         | 265.5         | 279.3         | 278.0                     | -                         | -                               | -             | -             | -                         |                           |
| Photofinishing laboratories .....                          | 7395                | 89.5          | 87.7          | 88.6          | 88.8                      | -                         | -                               | -             | -             | -                         |                           |
| Auto repair, services, and garages .....                   | 75                  | 859.9         | 858.1         | 910.3         | 914.1                     | -                         | 710.9                           | 709.3         | 750.6         | 752.2                     |                           |
| Automotive rentals, without drivers .....                  | 751                 | 168.7         | 169.2         | 190.7         | 191.0                     | -                         | -                               | -             | -             | -                         |                           |
| Automotive repair shops .....                              | 753                 | 500.1         | 498.6         | 527.0         | 529.3                     | -                         | 411.9                           | 410.6         | 431.7         | 433.2                     |                           |
| Miscellaneous repair services .....                        | 76                  | 350.8         | 351.6         | 367.2         | 365.0                     | -                         | 286.3                           | 287.0         | 302.2         | 299.1                     |                           |
| Electrical repair shops .....                              | 762                 | 113.0         | 114.9         | 125.7         | 127.1                     | -                         | -                               | -             | -             | -                         |                           |
| Motion pictures .....                                      | 78                  | 239.3         | 245.8         | 266.5         | 264.6                     | -                         | 200.2                           | 206.2         | 222.7         | 222.2                     |                           |
| Motion picture production and services .....               | 781                 | 124.0         | 126.4         | 147.1         | 145.2                     | -                         | 98.9                            | 101.0         | 118.6         | 118.0                     |                           |
| Motion picture theaters .....                              | 783                 | 97.9          | 101.7         | 102.4         | 102.0                     | -                         | -                               | -             | -             | -                         |                           |
| Amusement and recreation services .....                    | 79                  | 844.8         | 857.9         | 939.3         | 893.0                     | -                         | 727.5                           | 741.1         | 816.8         | 771.7                     |                           |
| Health services .....                                      | 80                  | 7,307.5       | 7,350.1       | 7,777.8       | 7,827.4                   | 7,873.7                   | 6,494.0                         | 6,531.0       | 6,905.8       | 6,946.9                   |                           |
| Offices of physicians .....                                | 801                 | 1,140.6       | 1,151.7       | 1,234.6       | 1,240.9                   | -                         | 935.3                           | 944.7         | 1,005.5       | 1,008.3                   |                           |
| Offices of dentists .....                                  | 802                 | 493.7         | 495.9         | 518.3         | 519.8                     | -                         | 431.8                           | 434.7         | 452.9         | 454.5                     |                           |
| Nursing and personal care facilities .....                 | 805                 | 1,339.1       | 1,343.0       | 1,404.3       | 1,411.7                   | -                         | 1,209.2                         | 1,212.7       | 1,268.6       | 1,274.9                   |                           |
| Skilled nursing care facilities .....                      | 8051                | 928.1         | 930.0         | 972.8         | 980.0                     | -                         | -                               | -             | -             | -                         |                           |
| Nursing and personal care, nec .....                       | 8059                | 411.0         | 413.0         | 431.5         | 431.7                     | -                         | -                               | -             | -             | -                         |                           |
| Hospitals .....  | 806                 | 3,369.2       | 3,382.9       | 3,542.9       | 3,564.3                   | -                         | 3,079.5                         | 3,089.9       | 3,240.1       | 3,258.6                   |                           |
| General medical and surgical hospitals .....               | 8062                | 3,116.6       | 3,129.7       | 3,279.2       | 3,300.2                   | -                         | -                               | -             | -             | -                         |                           |
| Psychiatric hospitals .....                                | 8063                | 93.7          | 93.8          | 96.9          | 96.7                      | -                         | -                               | -             | -             | -                         |                           |
| Specialty hospitals, excluding psychiatric .....           | 8069                | 158.9         | 159.4         | 166.8         | 167.4                     | -                         | -                               | -             | -             | -                         |                           |
| Medical and dental laboratories .....                      | 807                 | 156.6         | 158.0         | 176.4         | 178.3                     | -                         | -                               | -             | -             | -                         |                           |
| Outpatient care facilities .....                           | 808                 | 282.7         | 287.4         | 334.7         | 340.2                     | -                         | -                               | -             | -             | -                         |                           |

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| Industry  | 1972<br>SIC<br>Code | All employees |              |              |                           |                           | Production workers <sup>1</sup> |              |              |                           |                           |
|---|---------------------|---------------|--------------|--------------|---------------------------|---------------------------|---------------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988  | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988                    | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Services—Continued</b>   |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Legal services .....  | 81                  | 868.3         | 872.7        | 905.6        | 909.8                     | -                         | 723.5                           | 726.3        | 748.2        | 751.6                     | -                         |
| Educational services .....  | 82                  | 1,715.8       | 1,687.8      | 1,755.4      | 1,771.7                   | -                         | -                               | -            | -            | -                         | -                         |
| Elementary and secondary schools .....  | 821                 | 407.4         | 406.5        | 411.2        | 413.6                     | -                         | -                               | -            | -            | -                         | -                         |
| Colleges and universities .....   | 822                 | 1,087.4       | 1,057.4      | 1,097.0      | 1,111.2                   | -                         | -                               | -            | -            | -                         | -                         |
| Correspondence and vocational schools .....   | 824                 | 99.4          | 101.3        | 108.6        | 107.4                     | -                         | -                               | -            | -            | -                         | -                         |
| Social services .....   | 83                  | 1,661.3       | 1,672.3      | 1,780.1      | 1,800.9                   | -                         | -                               | -            | -            | -                         | -                         |
| Individual and family services .....  | 832                 | 345.7         | 347.4        | 355.6        | 360.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Job training and related services .....   | 833                 | 233.5         | 234.4        | 239.9        | 240.9                     | -                         | -                               | -            | -            | -                         | -                         |
| Residential care .....  | 836                 | 403.5         | 406.7        | 436.5        | 440.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Museums, botanical and zoological gardens .....   | 84                  | 50.6          | 50.5         | 53.1         | 51.0                      | -                         | -                               | -            | -            | -                         | -                         |
| Membership organizations .....  | 86                  | 1,733.9       | 1,738.4      | 1,756.0      | 1,758.7                   | -                         | -                               | -            | -            | -                         | -                         |
| Business associations .....   | 861                 | 99.3          | 99.8         | 100.4        | 99.9                      | -                         | -                               | -            | -            | -                         | -                         |
| Labor organizations .....   | 863                 | 134.2         | 137.9        | 134.2        | 133.7                     | -                         | -                               | -            | -            | -                         | -                         |
| Civic and social associations .....   | 864                 | 383.0         | 384.8        | 401.8        | 405.8                     | -                         | -                               | -            | -            | -                         | -                         |
| Miscellaneous services .....  | 89                  | 1,405.2       | 1,409.2      | 1,467.0      | 1,472.7                   | -                         | 1,122.6                         | 1,123.9      | 1,165.6      | 1,169.8                   | -                         |
| Engineering and architectural services .....  | 891                 | 735.0         | 735.4        | 763.0        | 765.5                     | -                         | 609.8                           | 609.0        | 629.4        | 631.2                     | -                         |
| Noncommercial research organizations .....  | 892                 | 137.6         | 138.1        | 148.3        | 150.5                     | -                         | -                               | -            | -            | -                         | -                         |
| Accounting, auditing, and bookkeeping .....   | 893                 | 499.1         | 501.8        | 515.1        | 515.9                     | -                         | 378.6                           | 380.0        | 388.6        | 389.2                     | -                         |
| <b>Government</b> .....   |                     | 17,909        | 17,819       | 18,071       | 18,228                    | 18,173                    | -                               | -            | -            | -                         | -                         |
| Federal Government <sup>4</sup> .....   |                     | 2,971         | 2,981        | 2,969        | 2,966                     | 2,976                     | -                               | -            | -            | -                         | -                         |
| Executive, by agency <sup>4</sup> .....   |                     | 2,912.3       | 2,923.0      | 2,909.7      | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Department of Defense .....   |                     | 955.0         | 957.6        | 975.9        | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Postal Service <sup>5</sup> .....   |                     | 835.6         | 857.1        | 821.2        | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Other executive agencies .....  |                     | 1,121.7       | 1,108.3      | 1,112.6      | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Legislative .....   |                     | 37.4          | 37.3         | 37.6         | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Judicial .....  |                     | 21.0          | 21.0         | 21.6         | -                         | -                         | -                               | -            | -            | -                         | -                         |
| Federal government, by industry:  |                     |               |              |              |                           |                           |                                 |              |              |                           |                           |
| Manufacturing activities .....  |                     | 121.5         | 121.7        | 124.6        | 124.7                     | -                         | -                               | -            | -            | -                         | -                         |
| Shipbuilding and repairing .....  | 3731                | 74.3          | 74.2         | 73.8         | 73.9                      | -                         | -                               | -            | -            | -                         | -                         |
| Transportation and public utilities, except Postal<br>Service .....                       |                     | 38.8          | 37.9         | 39.6         | 39.4                      | -                         | -                               | -            | -            | -                         | -                         |
| Services .....  |                     | 436.5         | 434.7        | 440.2        | 439.1                     | -                         | -                               | -            | -            | -                         | -                         |
| Hospitals .....   | 806                 | 247.6         | 247.2        | 250.9        | 252.5                     | -                         | -                               | -            | -            | -                         | -                         |
| State government .....  |                     | 4,203         | 4,168        | 4,257        | 4,288                     | 4,262                     | -                               | -            | -            | -                         | -                         |
| Hospitals .....   | 806                 | 447.8         | 448.2        | 450.4        | 452.7                     | -                         | -                               | -            | -            | -                         | -                         |
| Education .....   | 82                  | 1,759.4       | 1,719.0      | 1,749.0      | 1,778.4                   | -                         | -                               | -            | -            | -                         | -                         |
| General administration, including executive,<br>legislative, and judicial functions ..... |                     | 1,472.9       | 1,477.5      | 1,526.3      | 1,527.8                   | -                         | -                               | -            | -            | -                         | -                         |
| Local government .....  |                     | 10,735        | 10,670       | 10,845       | 10,974                    | 10,935                    | -                               | -            | -            | -                         | -                         |
| Transportation and public utilities .....   |                     | 491.1         | 491.4        | 494.0        | 496.0                     | -                         | -                               | -            | -            | -                         | -                         |
| Hospitals .....   | 806                 | 630.2         | 631.1        | 661.1        | 663.0                     | -                         | -                               | -            | -            | -                         | -                         |
| Education .....   | 82                  | 6,087.9       | 6,083.9      | 6,124.8      | 6,241.6                   | -                         | -                               | -            | -            | -                         | -                         |
| General administration, including executive,<br>legislative, and judicial functions ..... |                     | 3,194.7       | 3,133.9      | 3,220.2      | 3,230.0                   | -                         | -                               | -            | -            | -                         | -                         |

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

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

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

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to

civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

<sup>5</sup> Includes rural mail carriers.

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

**B-3. Women employees on nonagricultural payrolls by major industry and manufacturing group**

(In thousands)

| Industry   | Sept.<br>1988 | Oct.<br>1988 | Aug.<br>1989 | Sept.<br>1989 | Oct.<br>1989 |
|--|---------------|--------------|--------------|---------------|--------------|
| <b>Total</b> .....                               | 49,409        | 49,971       | 50,265       | 51,149        | 51,600       |
| <b>Total private</b> .....                       | 40,619        | 40,806       | 41,900       | 42,059        | 42,150       |
| <b>Goods-producing</b> .....                     | 7,123         | 7,133        | 7,222        | 7,220         | 7,202        |
| <b>Mining</b> .....                              | 97            | 97           | 100          | 98            | 98           |
| <b>Construction</b> .....                        | 562           | 562          | 592          | 589           | 593          |
| <b>Manufacturing</b> .....                       | 6,464         | 6,474        | 6,530        | 6,533         | 6,511        |
| <b>Durable goods</b> .....                       | 3,093         | 3,105        | 3,094        | 3,095         | 3,089        |
| Lumber and wood products .....                   | 128           | 126          | 127          | 125           | 124          |
| Furniture and fixtures .....                     | 164           | 166          | 164          | 165           | 164          |
| Stone, clay, and glass products .....            | 122           | 122          | 124          | 123           | 124          |
| Primary metal industries .....                   | 106           | 107          | 108          | 107           | 106          |
| Fabricated metal products .....                  | 326           | 327          | 324          | 325           | 324          |
| Machinery, except electrical .....               | 462           | 465          | 472          | 472           | 470          |
| Electrical and electronic equipment .....        | 871           | 874          | 845          | 845           | 842          |
| Transportation equipment .....                   | 401           | 402          | 406          | 408           | 407          |
| Instruments and related products .....           | 330           | 331          | 340          | 339           | 340          |
| Miscellaneous manufacturing .....                | 182           | 184          | 185          | 186           | 188          |
| <b>Nondurable goods</b> .....                    | 3,371         | 3,369        | 3,436        | 3,438         | 3,422        |
| Food and kindred products .....                  | 565           | 554          | 586          | 593           | 573          |
| Tobacco manufactures .....                       | 20            | 20           | 17           | 19            | 19           |
| Textile mill products .....                      | 352           | 351          | 353          | 353           | 353          |
| Apparel and other textile products .....         | 867           | 870          | 867          | 867           | 867          |
| Paper and allied products .....                  | 172           | 172          | 176          | 173           | 173          |
| Printing and publishing .....                    | 679           | 684          | 707          | 705           | 708          |
| Chemicals and allied products .....              | 316           | 315          | 330          | 328           | 327          |
| Petroleum and coal products .....                | 25            | 25           | 27           | 27            | 27           |
| Rubber and misc. plastics products .....         | 288           | 291          | 290          | 291           | 292          |
| Leather and leather products .....               | 87            | 87           | 84           | 83            | 84           |
| <b>Service-producing</b> .....                   | 42,286        | 42,838       | 43,043       | 43,929        | 44,398       |
| <b>Transportation and public utilities</b> ..... | 1,613         | 1,620        | 1,566        | 1,643         | 1,655        |
| <b>Wholesale trade</b> .....                     | 1,824         | 1,841        | 1,905        | 1,911         | 1,922        |
| <b>Retail trade</b> .....                        | 10,213        | 10,242       | 10,475       | 10,469        | 10,480       |
| <b>Finance, insurance, and real estate</b> ..... | 4,181         | 4,187        | 4,326        | 4,301         | 4,295        |
| <b>Services</b> .....                            | 15,665        | 15,783       | 16,406       | 16,515        | 16,596       |
| <b>Government</b> .....                          | 8,790         | 9,165        | 8,365        | 9,090         | 9,450        |
| Federal .....                                    | 1,061         | 1,061        | 1,076        | 1,063         | 1,059        |
| State .....                                      | 1,974         | 2,060        | 1,919        | 2,020         | 2,098        |
| Local .....                                      | 5,755         | 6,044        | 5,370        | 6,007         | 6,293        |

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

| Industry   | 1988    | 1989    |         |         |         |         |         |         |         |         |         |                   |                   |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------|-------------------|
|  | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov. <sup>P</sup> | Dec. <sup>P</sup> |
| <b>Total</b> .....                               | 107,097 | 107,442 | 107,711 | 107,888 | 108,101 | 108,310 | 108,607 | 108,767 | 108,887 | 109,096 | 109,171 | 109,393           | 109,535           |
| <b>Total private</b> .....                       | 89,574  | 89,897  | 90,124  | 90,291  | 90,475  | 90,623  | 90,884  | 91,016  | 91,083  | 91,230  | 91,328  | 91,567            | 91,675            |
| <b>Goods-producing</b> .....                     | 25,513  | 25,626  | 25,629  | 25,646  | 25,671  | 25,672  | 25,648  | 25,669  | 25,694  | 25,614  | 25,603  | 25,607            | 25,543            |
| <b>Mining</b> .....                              | 711     | 711     | 711     | 714     | 720     | 722     | 715     | 706     | 729     | 730     | 731     | 737               | 736               |
| Oil and gas extraction .....                     | 394     | 393     | 394     | 397     | 400     | 401     | 402     | 404     | 405     | 408     | 409     | 414               | 413               |
| <b>Construction</b> .....                        | 5,213   | 5,267   | 5,270   | 5,252   | 5,279   | 5,283   | 5,283   | 5,314   | 5,321   | 5,325   | 5,335   | 5,360             | 5,322             |
| General building contractors .....               | 1,380   | 1,404   | 1,398   | 1,380   | 1,377   | 1,388   | 1,384   | 1,391   | 1,403   | 1,396   | 1,386   | 1,391             | 1,397             |
| <b>Manufacturing</b> .....                       | 19,589  | 19,648  | 19,648  | 19,680  | 19,672  | 19,667  | 19,650  | 19,649  | 19,644  | 19,559  | 19,537  | 19,510            | 19,485            |
| <b>Durable goods</b> .....                       | 11,565  | 11,605  | 11,594  | 11,604  | 11,600  | 11,594  | 11,567  | 11,549  | 11,551  | 11,480  | 11,457  | 11,436            | 11,409            |
| Lumber and wood products .....                   | 780     | 784     | 778     | 777     | 772     | 771     | 769     | 767     | 763     | 759     | 764     | 766               | 764               |
| Furniture and fixtures .....                     | 532     | 532     | 534     | 535     | 537     | 534     | 536     | 536     | 529     | 528     | 525     | 524               | 520               |
| Stone, clay, and glass products .....            | 607     | 607     | 608     | 607     | 606     | 604     | 603     | 602     | 601     | 597     | 600     | 601               | 599               |
| Primary metal industries .....                   | 785     | 786     | 786     | 788     | 788     | 787     | 787     | 785     | 786     | 777     | 776     | 772               | 770               |
| Blast furnaces and basic steel products .....    | 276     | 276     | 276     | 276     | 275     | 276     | 276     | 277     | 276     | 273     | 271     | 268               | 268               |
| Fabricated metal products .....                  | 1,449   | 1,458   | 1,458   | 1,457   | 1,454   | 1,452   | 1,449   | 1,446   | 1,443   | 1,438   | 1,434   | 1,431             | 1,426             |
| Machinery, except electrical .....               | 2,126   | 2,134   | 2,138   | 2,143   | 2,144   | 2,150   | 2,151   | 2,154   | 2,152   | 2,147   | 2,139   | 2,145             | 2,143             |
| Electrical and electronic equipment .....        | 2,067   | 2,065   | 2,062   | 2,060   | 2,058   | 2,050   | 2,041   | 2,040   | 2,034   | 2,023   | 2,018   | 2,012             | 1,999             |
| Transportation equipment .....                   | 2,063   | 2,079   | 2,067   | 2,071   | 2,073   | 2,076   | 2,062   | 2,046   | 2,068   | 2,038   | 2,031   | 2,018             | 2,018             |
| Motor vehicles and equipment .....               | 867     | 882     | 871     | 869     | 875     | 876     | 861     | 844     | 873     | 843     | 833     | 823               | 823               |
| Instruments and related products .....           | 767     | 770     | 772     | 776     | 777     | 778     | 779     | 781     | 782     | 780     | 779     | 778               | 777               |
| Miscellaneous manufacturing .....                | 389     | 390     | 391     | 390     | 391     | 392     | 392     | 392     | 393     | 393     | 391     | 389               | 393               |
| <b>Nondurable goods</b> .....                    | 8,024   | 8,043   | 8,054   | 8,076   | 8,072   | 8,073   | 8,083   | 8,100   | 8,093   | 8,079   | 8,080   | 8,074             | 8,076             |
| Food and kindred products .....                  | 1,646   | 1,650   | 1,650   | 1,655   | 1,657   | 1,656   | 1,663   | 1,678   | 1,667   | 1,674   | 1,676   | 1,669             | 1,668             |
| Tobacco manufactures .....                       | 56      | 56      | 56      | 56      | 54      | 53      | 53      | 53      | 52      | 51      | 51      | 51                | 51                |
| Textile mill products .....                      | 724     | 728     | 728     | 729     | 728     | 728     | 729     | 730     | 727     | 723     | 724     | 722               | 721               |
| Apparel and other textile products .....         | 1,090   | 1,092   | 1,096   | 1,101   | 1,098   | 1,095   | 1,093   | 1,094   | 1,095   | 1,088   | 1,084   | 1,084             | 1,086             |
| Paper and allied products .....                  | 696     | 696     | 696     | 697     | 696     | 697     | 697     | 701     | 700     | 697     | 697     | 697               | 698               |
| Printing and publishing .....                    | 1,588   | 1,595   | 1,595   | 1,600   | 1,601   | 1,603   | 1,607   | 1,609   | 1,611   | 1,612   | 1,612   | 1,616             | 1,618             |
| Chemicals and allied products .....              | 1,079   | 1,084   | 1,085   | 1,088   | 1,090   | 1,094   | 1,096   | 1,091   | 1,097   | 1,095   | 1,096   | 1,098             | 1,102             |
| Petroleum and coal products .....                | 162     | 160     | 161     | 161     | 162     | 162     | 163     | 163     | 163     | 163     | 164     | 164               | 162               |
| Rubber and misc. plastics products .....         | 840     | 839     | 843     | 845     | 843     | 843     | 841     | 841     | 841     | 837     | 837     | 835               | 831               |
| Leather and leather products .....               | 143     | 143     | 144     | 144     | 143     | 142     | 142     | 140     | 140     | 139     | 139     | 138               | 139               |
| <b>Service-producing</b> .....                   | 81,584  | 81,816  | 82,082  | 82,242  | 82,430  | 82,638  | 82,959  | 83,098  | 83,193  | 83,482  | 83,568  | 83,786            | 83,992            |
| <b>Transportation and public utilities</b> ..... | 5,634   | 5,654   | 5,667   | 5,666   | 5,682   | 5,700   | 5,716   | 5,736   | 5,618   | 5,709   | 5,729   | 5,745             | 5,818             |
| Transportation .....                             | 3,421   | 3,439   | 3,453   | 3,452   | 3,467   | 3,484   | 3,500   | 3,524   | 3,539   | 3,546   | 3,566   | 3,587             | 3,601             |
| Communication and public utilities .....         | 2,213   | 2,215   | 2,214   | 2,214   | 2,215   | 2,216   | 2,216   | 2,212   | 2,079   | 2,163   | 2,163   | 2,158             | 2,217             |
| <b>Wholesale trade</b> .....                     | 6,125   | 6,146   | 6,171   | 6,197   | 6,206   | 6,222   | 6,230   | 6,237   | 6,256   | 6,264   | 6,278   | 6,297             | 6,311             |
| Durable goods .....                              | 3,626   | 3,638   | 3,657   | 3,676   | 3,676   | 3,685   | 3,693   | 3,700   | 3,708   | 3,717   | 3,721   | 3,737             | 3,748             |
| Nondurable goods .....                           | 2,499   | 2,508   | 2,514   | 2,521   | 2,530   | 2,537   | 2,537   | 2,537   | 2,548   | 2,547   | 2,557   | 2,560             | 2,563             |
| <b>Retail trade</b> .....                        | 19,328  | 19,407  | 19,460  | 19,488  | 19,489  | 19,528  | 19,551  | 19,586  | 19,621  | 19,632  | 19,679  | 19,725            | 19,713            |
| General merchandise stores .....                 | 2,460   | 2,472   | 2,481   | 2,490   | 2,492   | 2,491   | 2,493   | 2,482   | 2,484   | 2,486   | 2,478   | 2,478             | 2,470             |
| Food stores .....                                | 3,182   | 3,200   | 3,212   | 3,223   | 3,233   | 3,245   | 3,262   | 3,274   | 3,293   | 3,294   | 3,321   | 3,335             | 3,345             |
| Automotive dealers and service stations .....    | 2,136   | 2,143   | 2,150   | 2,155   | 2,159   | 2,159   | 2,155   | 2,155   | 2,152   | 2,157   | 2,169   | 2,169             | 2,163             |
| Eating and drinking places .....                 | 6,328   | 6,323   | 6,332   | 6,322   | 6,335   | 6,348   | 6,362   | 6,370   | 6,385   | 6,397   | 6,403   | 6,417             | 6,432             |
| <b>Finance, insurance, and real estate</b> ..... | 6,744   | 6,746   | 6,763   | 6,774   | 6,776   | 6,790   | 6,808   | 6,815   | 6,836   | 6,852   | 6,851   | 6,872             | 6,885             |
| Finance .....                                    | 3,307   | 3,308   | 3,311   | 3,316   | 3,312   | 3,320   | 3,320   | 3,324   | 3,336   | 3,343   | 3,345   | 3,356             | 3,359             |
| Insurance .....                                  | 2,110   | 2,109   | 2,116   | 2,117   | 2,119   | 2,123   | 2,129   | 2,131   | 2,137   | 2,137   | 2,134   | 2,140             | 2,145             |
| Real estate .....                                | 1,327   | 1,329   | 1,336   | 1,341   | 1,345   | 1,347   | 1,359   | 1,360   | 1,363   | 1,372   | 1,372   | 1,376             | 1,381             |
| <b>Services</b> .....                            | 26,230  | 26,318  | 26,434  | 26,520  | 26,651  | 26,711  | 26,931  | 26,973  | 27,058  | 27,159  | 27,188  | 27,321            | 27,405            |
| Business services .....                          | 5,715   | 5,707   | 5,729   | 5,736   | 5,760   | 5,776   | 5,799   | 5,786   | 5,800   | 5,836   | 5,827   | 5,843             | 5,857             |
| Health services .....                            | 7,359   | 7,396   | 7,442   | 7,488   | 7,528   | 7,570   | 7,616   | 7,648   | 7,695   | 7,739   | 7,778   | 7,835             | 7,882             |
| <b>Government</b> .....                          | 17,523  | 17,545  | 17,587  | 17,597  | 17,626  | 17,687  | 17,723  | 17,751  | 17,804  | 17,866  | 17,843  | 17,826            | 17,860            |
| Federal .....                                    | 2,981   | 2,978   | 2,982   | 2,982   | 2,982   | 2,999   | 2,995   | 3,000   | 2,999   | 2,996   | 2,984   | 2,978             | 2,976             |
| State .....                                      | 4,085   | 4,084   | 4,095   | 4,102   | 4,111   | 4,119   | 4,136   | 4,145   | 4,154   | 4,182   | 4,153   | 4,163             | 4,174             |
| Local .....                                      | 10,457  | 10,483  | 10,510  | 10,513  | 10,533  | 10,569  | 10,592  | 10,606  | 10,651  | 10,688  | 10,706  | 10,685            | 10,710            |

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

| Industry   | 1988             |                  |                  | 1989             |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|  | Oct.             | Nov.             | Dec.             | Jan.             | Feb.             | Mar.             | Apr.             | May              | June             | July             | Aug.             | Sept.            | Oct.             |
| <b>Total</b> .....                               | 49,586           | 49,799           | 49,963           | 50,130           | 50,302           | 50,414           | 50,515           | 50,670           | 50,894           | 51,023           | 51,124           | 51,247           | 51,212           |
| <b>Total private</b> .....                       | 40,602           | 40,776           | 40,943           | 41,093           | 41,239           | 41,340           | 41,418           | 41,530           | 41,717           | 41,794           | 41,832           | 41,950           | 41,957           |
| <b>Goods-producing</b> .....                     | 7,069            | 7,095            | 7,112            | 7,141            | 7,152            | 7,159            | 7,161            | 7,166            | 7,165            | 7,176            | 7,167            | 7,147            | 7,142            |
| <b>Mining</b> .....                              | 97               | 97               | 97               | 97               | 97               | 97               | 97               | 97               | 99               | 98               | 99               | 98               | 98               |
| <b>Construction</b> .....                        | 555              | 557              | 561              | 566              | 571              | 571              | 573              | 577              | 577              | 577              | 580              | 581              | 586              |
| <b>Manufacturing</b> .....                       | 6,417            | 6,441            | 6,454            | 6,478            | 6,484            | 6,491            | 6,491            | 6,492            | 6,489            | 6,501            | 6,488            | 6,468            | 6,458            |
| <b>Durable goods</b> .....                       | 3,087            | 3,097            | 3,103            | 3,113            | 3,111            | 3,109            | 3,111            | 3,108            | 3,103            | 3,103            | 3,099            | 3,084            | 3,072            |
| Lumber and wood products .....                   | 125              | 127              | 127              | 127              | 127              | 127              | 126              | 126              | 125              | 124              | 124              | 123              | 123              |
| Furniture and fixtures .....                     | 165              | 165              | 165              | 166              | 166              | 167              | 167              | 167              | 167              | 169              | 165              | 165              | 163              |
| Stone, clay, and glass products .....            | 122              | 122              | 123              | 123              | 123              | 123              | 124              | 124              | 123              | 123              | 123              | 122              | 123              |
| Primary metal industries .....                   | 106              | 106              | 107              | 108              | 107              | 108              | 108              | 108              | 108              | 107              | 108              | 107              | 106              |
| Fabricated metal products .....                  | 325              | 327              | 327              | 330              | 329              | 328              | 327              | 327              | 326              | 327              | 325              | 324              | 322              |
| Machinery, except electrical .....               | 467              | 469              | 469              | 471              | 471              | 471              | 471              | 472              | 474              | 475              | 475              | 474              | 472              |
| Electrical and electronic equipment .....        | 868              | 869              | 866              | 864              | 863              | 860              | 859              | 853              | 850              | 847              | 846              | 840              | 835              |
| Transportation equipment .....                   | 401              | 402              | 405              | 407              | 407              | 408              | 409              | 410              | 409              | 407              | 410              | 406              | 407              |
| Instruments and related products .....           | 331              | 332              | 335              | 337              | 337              | 337              | 338              | 339              | 338              | 341              | 340              | 340              | 340              |
| Miscellaneous manufacturing .....                | 177              | 178              | 179              | 180              | 181              | 180              | 182              | 182              | 183              | 183              | 183              | 183              | 181              |
| <b>Nondurable goods</b> .....                    | 3,330            | 3,344            | 3,351            | 3,365            | 3,373            | 3,382            | 3,380            | 3,384            | 3,386            | 3,398            | 3,389            | 3,384            | 3,386            |
| Food and kindred products .....                  | 531              | 535              | 532              | 536              | 537              | 537              | 537              | 537              | 540              | 551              | 540              | 549              | 548              |
| Tobacco manufactures .....                       | 18               | 18               | 19               | 18               | 19               | 19               | 18               | 17               | 17               | 18               | 18               | 17               | 17               |
| Textile mill products .....                      | 349              | 350              | 350              | 352              | 352              | 354              | 353              | 353              | 353              | 353              | 352              | 350              | 352              |
| Apparel and other textile products .....         | 862              | 867              | 869              | 871              | 874              | 877              | 875              | 873              | 871              | 870              | 869              | 863              | 860              |
| Paper and allied products .....                  | 171              | 171              | 171              | 171              | 171              | 171              | 171              | 171              | 172              | 173              | 174              | 172              | 173              |
| Printing and publishing .....                    | 685              | 688              | 692              | 697              | 698              | 700              | 702              | 706              | 708              | 709              | 710              | 708              | 709              |
| Chemicals and allied products .....              | 315              | 315              | 316              | 318              | 319              | 321              | 322              | 325              | 325              | 324              | 326              | 326              | 327              |
| Petroleum and coal products .....                | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Rubber and misc. plastics products .....         | 289              | 291              | 292              | 292              | 292              | 293              | 292              | 292              | 291              | 292              | 292              | 291              | 291              |
| Leather and leather products .....               | 85               | 84               | 84               | 84               | 85               | 84               | 84               | 84               | 83               | 82               | 82               | 82               | 82               |
| <b>Service-producing</b> .....                   | 42,517           | 42,704           | 42,851           | 42,989           | 43,150           | 43,255           | 43,354           | 43,504           | 43,729           | 43,847           | 43,957           | 44,100           | 44,070           |
| <b>Transportation and public utilities</b> ..... | 1,608            | 1,614            | 1,621            | 1,626            | 1,630            | 1,629            | 1,628            | 1,635            | 1,645            | 1,652            | 1,585            | 1,633            | 1,642            |
| <b>Wholesale trade</b> .....                     | 1,827            | 1,835            | 1,845            | 1,854            | 1,862            | 1,866            | 1,876            | 1,888            | 1,893            | 1,899            | 1,905            | 1,907            | 1,907            |
| <b>Retail trade</b> .....                        | 10,190           | 10,213           | 10,238           | 10,287           | 10,318           | 10,336           | 10,337           | 10,373           | 10,387           | 10,407           | 10,444           | 10,438           | 10,428           |
| <b>Finance, insurance, and real estate</b> ..... | 4,199            | 4,212            | 4,222            | 4,227            | 4,242            | 4,249            | 4,247            | 4,257            | 4,271            | 4,278            | 4,292            | 4,310            | 4,308            |
| <b>Services</b> .....                            | 15,709           | 15,807           | 15,905           | 15,958           | 16,035           | 16,101           | 16,169           | 16,211           | 16,356           | 16,382           | 16,439           | 16,515           | 16,530           |
| <b>Government</b> .....                          | 8,984            | 9,023            | 9,020            | 9,037            | 9,063            | 9,074            | 9,097            | 9,140            | 9,177            | 9,229            | 9,292            | 9,297            | 9,255            |
| <b>Federal</b> .....                             | 1,067            | 1,066            | 1,065            | 1,063            | 1,064            | 1,064            | 1,064            | 1,070            | 1,070            | 1,071            | 1,070            | 1,067            | 1,064            |
| <b>State</b> .....                               | 2,009            | 2,013            | 2,013            | 2,012            | 2,017            | 2,020            | 2,023            | 2,034            | 2,043            | 2,048            | 2,050            | 2,063            | 2,045            |
| <b>Local</b> .....                               | 5,908            | 5,944            | 5,942            | 5,962            | 5,982            | 5,990            | 6,010            | 6,036            | 6,064            | 6,110            | 6,172            | 6,167            | 6,146            |

<sup>1</sup> This series is not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-6. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

| Industry   | 1988   | 1989   |        |        |        |        |        |        |        |        |        |                   |                   |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|-------------------|
|  | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov. <sup>P</sup> | Dec. <sup>P</sup> |
| <b>Total private</b> .....                       | 72,494 | 72,774 | 72,949 | 73,101 | 73,204 | 73,315 | 73,555 | 73,670 | 73,741 | 73,837 | 73,897 | 74,116            | 74,147            |
| <b>Goods-producing</b> .....                     | 17,963 | 18,065 | 18,048 | 18,052 | 18,053 | 18,058 | 18,022 | 18,047 | 18,071 | 17,987 | 17,978 | 17,982            | 17,922            |
| <b>Mining</b> .....                              | 510    | 510    | 510    | 514    | 519    | 521    | 511    | 503    | 525    | 525    | 527    | 529               | 526               |
| <b>Construction</b> .....                        | 4,068  | 4,132  | 4,112  | 4,096  | 4,104  | 4,111  | 4,111  | 4,134  | 4,145  | 4,143  | 4,144  | 4,174             | 4,124             |
| <b>Manufacturing</b> .....                       | 13,385 | 13,423 | 13,426 | 13,442 | 13,430 | 13,426 | 13,400 | 13,410 | 13,401 | 13,319 | 13,307 | 13,279            | 13,272            |
| <b>Durable goods</b> .....                       | 7,730  | 7,758  | 7,749  | 7,749  | 7,744  | 7,735  | 7,706  | 7,697  | 7,696  | 7,632  | 7,615  | 7,597             | 7,584             |
| Lumber and wood products .....                   | 647    | 652    | 648    | 646    | 642    | 641    | 638    | 636    | 633    | 629    | 633    | 634               | 631               |
| Furniture and fixtures .....                     | 426    | 426    | 427    | 428    | 428    | 427    | 426    | 427    | 421    | 420    | 418    | 416               | 413               |
| Stone, clay, and glass products .....            | 472    | 473    | 474    | 472    | 471    | 469    | 468    | 468    | 467    | 463    | 466    | 468               | 463               |
| Primary metal industries .....                   | 602    | 603    | 602    | 603    | 603    | 601    | 602    | 601    | 600    | 593    | 590    | 587               | 586               |
| Blast furnaces and basic steel products .....    | 216    | 215    | 215    | 213    | 211    | 210    | 211    | 211    | 214    | 212    | 209    | 207               | 207               |
| Fabricated metal products .....                  | 1,082  | 1,089  | 1,087  | 1,086  | 1,080  | 1,079  | 1,074  | 1,073  | 1,069  | 1,062  | 1,061  | 1,058             | 1,055             |
| Machinery, except electrical .....               | 1,285  | 1,292  | 1,298  | 1,298  | 1,298  | 1,302  | 1,303  | 1,309  | 1,304  | 1,299  | 1,293  | 1,301             | 1,305             |
| Electrical and electronic equipment .....        | 1,224  | 1,222  | 1,218  | 1,214  | 1,213  | 1,205  | 1,198  | 1,199  | 1,195  | 1,189  | 1,184  | 1,181             | 1,175             |
| Transportation equipment .....                   | 1,285  | 1,294  | 1,286  | 1,292  | 1,297  | 1,297  | 1,284  | 1,270  | 1,291  | 1,262  | 1,255  | 1,240             | 1,240             |
| Motor vehicles and equipment .....               | 676    | 687    | 677    | 675    | 680    | 681    | 667    | 650    | 677    | 648    | 638    | 630               | 630               |
| Instruments and related products .....           | 425    | 424    | 425    | 427    | 428    | 430    | 429    | 431    | 430    | 431    | 431    | 430               | 430               |
| Miscellaneous manufacturing .....                | 282    | 283    | 284    | 283    | 284    | 284    | 284    | 283    | 286    | 284    | 284    | 282               | 286               |
| <b>Nondurable goods</b> .....                    | 5,655  | 5,665  | 5,677  | 5,693  | 5,686  | 5,691  | 5,694  | 5,713  | 5,705  | 5,687  | 5,692  | 5,682             | 5,688             |
| Food and kindred products .....                  | 1,172  | 1,175  | 1,177  | 1,182  | 1,184  | 1,184  | 1,190  | 1,205  | 1,197  | 1,203  | 1,205  | 1,198             | 1,195             |
| Tobacco manufactures .....                       | 42     | 41     | 41     | 41     | 40     | 38     | 38     | 39     | 39     | 38     | 38     | 38                | 38                |
| Textile mill products .....                      | 628    | 630    | 630    | 630    | 630    | 630    | 630    | 631    | 627    | 623    | 625    | 622               | 623               |
| Apparel and other textile products .....         | 919    | 922    | 926    | 930    | 927    | 925    | 922    | 922    | 922    | 917    | 914    | 913               | 917               |
| Paper and allied products .....                  | 525    | 524    | 524    | 525    | 524    | 525    | 525    | 528    | 528    | 524    | 526    | 526               | 528               |
| Printing and publishing .....                    | 886    | 887    | 888    | 891    | 889    | 891    | 892    | 893    | 894    | 892    | 892    | 896               | 897               |
| Chemicals and allied products .....              | 604    | 607    | 608    | 610    | 609    | 614    | 616    | 614    | 617    | 614    | 617    | 618               | 622               |
| Petroleum and coal products .....                | 105    | 104    | 105    | 105    | 105    | 106    | 107    | 107    | 107    | 107    | 107    | 108               | 106               |
| Rubber and misc. plastics products .....         | 656    | 656    | 659    | 660    | 660    | 660    | 656    | 657    | 658    | 653    | 653    | 649               | 647               |
| Leather and leather products .....               | 118    | 119    | 119    | 119    | 118    | 118    | 118    | 117    | 116    | 116    | 115    | 114               | 115               |
| <b>Service-producing</b> .....                   | 54,531 | 54,709 | 54,901 | 55,049 | 55,151 | 55,257 | 55,533 | 55,623 | 55,670 | 55,850 | 55,919 | 56,134            | 56,225            |
| <b>Transportation and public utilities</b> ..... | 4,691  | 4,704  | 4,718  | 4,718  | 4,735  | 4,752  | 4,763  | 4,779  | 4,665  | 4,758  | 4,782  | 4,787             | 4,853             |
| <b>Wholesale trade</b> .....                     | 4,931  | 4,948  | 4,970  | 4,990  | 4,996  | 5,007  | 5,016  | 5,021  | 5,038  | 5,037  | 5,053  | 5,062             | 5,062             |
| <b>Retail trade</b> .....                        | 17,106 | 17,171 | 17,215 | 17,244 | 17,235 | 17,280 | 17,317 | 17,338 | 17,388 | 17,391 | 17,383 | 17,472            | 17,437            |
| <b>Finance, insurance, and real estate</b> ..... | 4,879  | 4,886  | 4,893  | 4,900  | 4,902  | 4,918  | 4,933  | 4,944  | 4,954  | 4,969  | 4,972  | 4,982             | 4,987             |
| <b>Services</b> .....                            | 22,924 | 23,000 | 23,105 | 23,197 | 23,283 | 23,300 | 23,504 | 23,541 | 23,625 | 23,695 | 23,729 | 23,831            | 23,886            |

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

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA  
DIFFUSION INDEXES  
SEASONALLY ADJUSTED**

**Table B-7. Diffusion indexes of employment change, seasonally adjusted**

(Percent)

| Time span   | Jan. | Feb. | Mar. | Apr. | May               | June              | July | Aug.              | Sept.             | Oct.              | Nov.              | Dec.              |
|---|------|------|------|------|-------------------|-------------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Private nonagricultural payrolls, 349 industries <sup>1</sup> |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| Over 1-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 55.6 | 59.3 | 61.0 | 61.9 | 58.6              | 59.7              | 65.3 | 60.6              | 63.0              | 67.8              | 64.5              | 60.7              |
| 1988 .....  | 60.7 | 63.5 | 63.0 | 62.8 | 61.3              | 67.2              | 63.6 | 58.0              | 55.4              | 63.9              | 68.2              | 64.6              |
| 1989 .....  | 68.3 | 60.5 | 61.0 | 58.2 | 55.6              | 59.7              | 55.6 | 57.4              | 47.9              | 55.3              | <sup>P</sup> 59.3 | <sup>P</sup> 53.3 |
| Over 3-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 60.7 | 62.0 | 66.6 | 65.2 | 65.8              | 65.9              | 67.8 | 71.1              | 71.2              | 72.3              | 70.9              | 65.9              |
| 1988 .....  | 64.8 | 65.6 | 69.5 | 70.2 | 71.1              | 71.9              | 71.2 | 64.2              | 65.3              | 70.1              | 73.4              | 74.6              |
| 1989 .....  | 71.6 | 70.1 | 64.5 | 61.9 | 61.6              | 60.7              | 61.6 | 53.4              | 54.6              | <sup>P</sup> 54.4 | <sup>P</sup> 58.5 |                   |
| Over 6-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 67.3 | 65.8 | 64.8 | 66.8 | 67.6              | 69.5              | 71.3 | 73.5              | 73.2              | 71.5              | 71.8              | 72.2              |
| 1988 .....  | 69.9 | 70.2 | 71.5 | 73.9 | 73.9              | 69.1              | 70.2 | 74.6              | 73.5              | 73.9              | 74.5              | 75.8              |
| 1989 .....  | 75.1 | 69.5 | 68.2 | 66.0 | 63.0              | 57.9              | 57.7 | <sup>P</sup> 59.6 | <sup>P</sup> 55.2 |                   |                   |                   |
| Over 12-month span:   |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 66.6 | 68.2 | 68.2 | 71.8 | 71.9              | 72.5              | 72.2 | 74.1              | 75.4              | 72.5              | 73.8              | 76.9              |
| 1988 .....  | 76.2 | 76.1 | 74.8 | 74.6 | 75.8              | 74.9              | 78.1 | 75.5              | 75.5              | 74.8              | 74.9              | 74.1              |
| 1989 .....  | 73.2 | 73.6 | 69.6 | 67.6 | <sup>P</sup> 65.5 | <sup>P</sup> 63.0 |      |                   |                   |                   |                   |                   |
| Manufacturing payrolls, 141 industries <sup>1</sup>           |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| Over 1-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 44.3 | 53.9 | 54.3 | 55.7 | 55.3              | 54.3              | 62.8 | 59.9              | 63.8              | 59.9              | 65.6              | 56.4              |
| 1988 .....  | 58.5 | 56.0 | 55.0 | 59.9 | 58.5              | 61.7              | 59.6 | 51.1              | 49.3              | 62.8              | 64.9              | 58.5              |
| 1989 .....  | 62.4 | 53.5 | 53.2 | 49.6 | 46.8              | 48.6              | 49.6 | 45.4              | 34.8              | 52.1              | <sup>P</sup> 46.5 | <sup>P</sup> 45.0 |
| Over 3-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 52.1 | 51.4 | 59.6 | 61.3 | 58.5              | 62.8              | 67.0 | 71.6              | 68.4              | 70.6              | 67.7              | 64.5              |
| 1988 .....  | 63.1 | 61.0 | 62.4 | 64.9 | 67.4              | 67.0              | 64.5 | 58.2              | 62.1              | 66.7              | 71.3              | 70.9              |
| 1989 .....  | 67.4 | 63.8 | 55.7 | 51.8 | 49.3              | 48.6              | 47.9 | 34.0              | 41.8              | <sup>P</sup> 40.1 | <sup>P</sup> 47.2 |                   |
| Over 6-month span:  |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 57.4 | 56.7 | 55.3 | 62.4 | 64.9              | 67.0              | 67.4 | 70.6              | 71.3              | 69.5              | 69.5              | 68.1              |
| 1988 .....  | 66.3 | 66.3 | 67.7 | 69.5 | 66.7              | 64.2              | 66.0 | 70.9              | 68.8              | 69.9              | 71.6              | 74.1              |
| 1989 .....  | 69.5 | 58.5 | 55.7 | 52.8 | 48.9              | 39.0              | 40.1 | <sup>P</sup> 41.1 | <sup>P</sup> 35.5 |                   |                   |                   |
| Over 12-month span:   |      |      |      |      |                   |                   |      |                   |                   |                   |                   |                   |
| 1987 .....  | 55.3 | 58.5 | 58.5 | 63.5 | 66.3              | 67.4              | 71.6 | 72.7              | 71.6              | 69.1              | 68.4              | 72.3              |
| 1988 .....  | 73.8 | 70.2 | 70.9 | 71.6 | 72.0              | 69.9              | 70.9 | 69.1              | 71.6              | 70.2              | 69.9              | 67.0              |
| 1989 .....  | 63.1 | 63.8 | 57.1 | 53.5 | <sup>P</sup> 47.5 | <sup>P</sup> 43.3 |      |                   |                   |                   |                   |                   |

<sup>1</sup> Based on seasonally adjusted data for 1-, 3-, and 6-month spans and unadjusted data for the 12-month span. Data are centered within the span.

<sup>P</sup> = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment, where 50 percent

indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1988) and all seasonally adjusted data (beginning January 1985) are subject to revision.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonagricultural payrolls in States and selected areas by major industry**

(In thousands)

| State and area                                | Total     |           |                        | Mining           |                  |                        | Construction |           |                        |
|---|-----------|-----------|------------------------|------------------|------------------|------------------------|--------------|-----------|------------------------|
|   | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>p</sup> | Nov. 1988    | Oct. 1989 | Nov. 1989 <sup>p</sup> |
| <b>Alabama</b> .....                          | 1,586.1   | 1,587.9   | 1,593.6                | 11.4             | 11.5             | 11.6                   | 77.0         | 75.6      | 75.0                   |
| Birmingham .....                              | 407.2     | 408.8     | 409.1                  | 5.0              | 4.8              | 4.9                    | 24.7         | 24.5      | 23.9                   |
| Huntsville .....                              | 132.2     | 136.1     | 136.2                  | .1               | .1               | .1                     | 5.8          | 6.1       | 6.0                    |
| Mobile .....                                  | 167.4     | 168.8     | 168.6                  | .7               | .7               | .7                     | 10.0         | 10.3      | 10.4                   |
| Montgomery .....                              | 131.1     | 129.1     | 130.3                  | .1               | .1               | .1                     | 8.1          | 7.7       | 7.6                    |
| Tuscaloosa .....                              | 63.0      | 63.7      | 63.8                   | 2.7              | 2.6              | 2.6                    | 3.1          | 3.1       | 3.0                    |
| <b>Alaska</b> .....                           | 209.0     | 222.8     | 215.9                  | 9.5              | 10.8             | 10.4                   | 7.9          | 10.5      | 8.5                    |
| <b>Arizona</b> .....                          | 1,440.4   | 1,464.2   | 1,474.8                | 12.0             | 12.1             | 12.0                   | 93.7         | 91.7      | 89.4                   |
| Phoenix .....                                 | 945.3     | 962.3     | 970.3                  | .7               | .9               | .9                     | 64.5         | 61.5      | 60.1                   |
| Tucson .....                                  | 253.3     | 254.4     | 256.6                  | 1.9              | 2.1              | 2.1                    | 16.8         | 16.3      | 16.1                   |
| <b>Arkansas</b> .....                         | 873.9     | 899.1     | 896.7                  | 4.2              | 4.4              | 4.4                    | 33.9         | 35.3      | 34.5                   |
| Fayetteville-Springdale .....                 | 51.7      | 53.1      | 53.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.7          | 1.8       | 1.8                    |
| Fort Smith .....                              | 77.2      | 75.5      | 75.9                   | .9               | .9               | .9                     | 2.5          | 2.6       | 2.6                    |
| Little Rock-North Little Rock .....           | 242.7     | 246.0     | 247.2                  | .4               | .4               | .4                     | 10.3         | 10.7      | 10.5                   |
| Pine Bluff .....                              | 33.7      | 34.3      | 34.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.8          | 1.9       | 1.9                    |
| <b>California</b> .....                       | 12,310.8  | 12,570.9  | 12,634.3               | 41.8             | 41.5             | 41.6                   | 635.6        | 669.2     | 664.5                  |
| Anaheim-Santa Ana .....                       | 1,149.7   | 1,169.3   | 1,175.4                | 1.3              | 1.3              | 1.3                    | 68.7         | 71.1      | 70.3                   |
| Bakersfield .....                             | 160.8     | 162.5     | 163.3                  | 13.7             | 13.9             | 14.2                   | 9.5          | 9.6       | 9.7                    |
| Fresno .....                                  | 212.7     | 216.0     | 216.8                  | .6               | .6               | .6                     | 12.2         | 13.3      | 13.3                   |
| Los Angeles-Long Beach .....                  | 4,177.1   | 4,231.4   | 4,261.9                | 9.8              | 10.0             | 10.1                   | 152.6        | 160.7     | 161.0                  |
| Modesto .....                                 | 112.5     | 117.6     | 115.3                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 7.3          | 8.1       | 8.0                    |
| Oakland .....                                 | 861.0     | 886.2     | 896.7                  | 3.4              | 3.7              | 3.7                    | 51.7         | 55.0      | 55.9                   |
| Oxnard-Ventura .....                          | 217.3     | 224.7     | 226.4                  | 2.8              | 2.8              | 2.8                    | 14.5         | 15.4      | 15.4                   |
| Riverside-San Bernardino .....                | 635.8     | 645.6     | 650.7                  | 1.3              | 1.3              | 1.3                    | 54.9         | 56.0      | 55.0                   |
| Sacramento .....                              | 586.6     | 608.6     | 612.7                  | .7               | .7               | .8                     | 35.2         | 38.3      | 37.4                   |
| San Diego .....                               | 936.0     | 967.6     | 973.0                  | .8               | .8               | .8                     | 60.3         | 62.4      | 61.5                   |
| San Francisco .....                           | 959.7     | 969.9     | 976.3                  | .9               | .9               | .9                     | 37.6         | 39.5      | 39.6                   |
| San Jose .....                                | 826.1     | 827.3     | 827.4                  | .1               | .1               | .1                     | 34.2         | 34.7      | 34.1                   |
| Santa Barbara-Santa Maria-Lompoc .....        | 148.4     | 150.3     | 150.8                  | 1.5              | 1.5              | 1.5                    | 6.9          | 7.3       | 7.3                    |
| Santa Rosa-Petaluma .....                     | 129.8     | 134.3     | 134.5                  | .7               | .7               | .7                     | 8.7          | 10.2      | 9.7                    |
| Stockton .....                                | 148.8     | 149.5     | 148.6                  | .1               | .1               | .1                     | 8.4          | 9.0       | 8.9                    |
| Vallejo-Fairfield-Napa .....                  | 132.2     | 137.5     | 137.4                  | .6               | .7               | .7                     | 10.5         | 11.4      | 11.1                   |
| <b>Colorado</b> .....                         | 1,437.1   | 1,455.7   | 1,461.9                | 20.7             | 21.1             | 21.0                   | 59.3         | 61.5      | 59.9                   |
| Boulder-Longmont .....                        | 109.6     | 110.6     | 111.4                  | .3               | .3               | .3                     | 3.5          | 3.7       | 3.7                    |
| Denver .....                                  | 804.7     | 814.2     | 815.3                  | 12.5             | 12.0             | 12.0                   | 31.0         | 30.8      | 30.1                   |
| <b>Connecticut</b> .....                      | 1,700.1   | 1,706.1   | 1,717.3                | 1.6              | 1.4              | 1.4                    | 81.2         | 80.7      | 79.8                   |
| Bridgeport-Milford .....                      | 204.3     | 204.5     | 205.0                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 9.5          | 9.7       | 9.5                    |
| Hartford .....                                | 492.3     | 491.0     | 493.2                  | .4               | .4               | .4                     | 21.7         | 21.9      | 21.6                   |
| New Britain .....                             | 67.0      | 66.5      | 66.6                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 5.3          | 4.8       | 4.8                    |
| New Haven-Meriden .....                       | 264.6     | 268.2     | 270.5                  | .4               | .4               | .4                     | 14.6         | 15.4      | 15.3                   |
| Stamford .....                                | 127.2     | 127.0     | 127.4                  | .5               | .4               | .4                     | 5.7          | 5.7       | 5.6                    |
| Waterbury .....                               | 89.6      | 88.3      | 89.2                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 5.2          | 5.4       | 5.4                    |
| <b>Delaware</b> .....                         | 337.2     | 343.6     | 345.6                  | .1               | .1               | .1                     | 22.1         | 20.2      | 20.1                   |
| Wilmington .....                              | 290.3     | 292.0     | 293.3                  | .2               | .2               | .2                     | 19.2         | 17.9      | 17.9                   |
| <b>District of Columbia</b> .....             | 678.0     | 692.6     | 694.9                  | .1               | .1               | .1                     | 13.0         | 13.5      | 13.6                   |
| Washington MSA .....                          | 2,206.0   | 2,273.1   | 2,281.3                | 1.2              | 1.1              | 1.1                    | 145.0        | 152.1     | 149.1                  |
| <b>Florida</b> .....                          | 5,236.5   | 5,327.5   | 5,395.5                | 9.3              | 9.5              | 9.5                    | 352.6        | 349.6     | 348.6                  |
| Daytona Beach .....                           | 118.8     | 121.1     | 121.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 8.7          | 8.5       | 8.5                    |
| Fort Lauderdale-Hollywood-Pompano Beach ..... | 497.8     | 497.9     | 506.6                  | .4               | .4               | .4                     | 38.0         | 36.6      | 37.1                   |
| Fort Myers-Cape Coral .....                   | 121.2     | 125.0     | 128.1                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 13.6         | 13.7      | 13.6                   |
| Jacksonville .....                            | 419.3     | 426.4     | 428.6                  | .6               | .7               | .7                     | 26.9         | 27.3      | 27.2                   |
| Melbourne-Titusville-Palm Bay .....           | 156.9     | 160.3     | 161.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 8.9          | 8.9       | 9.0                    |
| Miami-Hialeah .....                           | 875.1     | 884.9     | 891.9                  | .9               | .9               | .9                     | 40.3         | 39.2      | 39.2                   |
| Orlando .....                                 | 513.3     | 525.1     | 530.1                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 38.0         | 38.3      | 38.5                   |
| Pensacola .....                               | 127.0     | 127.7     | 128.2                  | .4               | .3               | .4                     | 8.3          | 8.6       | 8.5                    |
| Sarasota .....                                | 112.7     | 115.1     | 116.9                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 10.3         | 10.4      | 10.3                   |
| Tallahassee .....                             | 116.9     | 119.3     | 119.9                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 5.6          | 5.5       | 5.6                    |
| Tampa-St. Petersburg-Clearwater .....         | 852.3     | 862.1     | 869.6                  | .7               | .8               | .8                     | 58.1         | 56.5      | 56.8                   |
| West Palm Beach-Boca Raton-Delray Beach ..... | 360.8     | 366.3     | 375.6                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 31.4         | 29.7      | 29.6                   |

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                                | Manufacturing |           |                        | Transportation and public utilities |           |                        | Wholesale and retail trade |           |                        |
|---|---------------|-----------|------------------------|-------------------------------------|-----------|------------------------|----------------------------|-----------|------------------------|
|   | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Alabama</b> .....                          | 382.0         | 386.6     | 386.5                  | 79.2                                | 79.1      | 79.4                   | 347.9                      | 347.5     | 351.3                  |
| Birmingham .....                              | 57.7          | 57.3      | 57.2                   | 32.2                                | 31.8      | 31.9                   | 100.5                      | 102.2     | 103.3                  |
| Huntsville .....                              | 33.7          | 33.7      | 33.6                   | 2.9                                 | 3.1       | 3.1                    | 25.1                       | 25.9      | 26.1                   |
| Mobile .....                                  | 25.6          | 25.2      | 25.2                   | 10.1                                | 9.6       | 9.9                    | 44.2                       | 44.7      | 45.4                   |
| Montgomery .....                              | 19.1          | 17.8      | 17.8                   | 5.0                                 | 5.0       | 5.1                    | 29.6                       | 29.7      | 29.9                   |
| Tuscaloosa .....                              | 10.1          | 10.1      | 10.0                   | 2.0                                 | 2.0       | 2.0                    | 13.1                       | 13.3      | 13.5                   |
| <b>Alaska</b> .....                           | 11.9          | 13.5      | 11.7                   | 16.7                                | 18.4      | 17.6                   | 41.9                       | 44.1      | 43.4                   |
| <b>Arizona</b> .....                          | 190.1         | 190.2     | 190.1                  | 72.7                                | 73.9      | 74.3                   | 353.9                      | 366.0     | 372.9                  |
| Phoenix .....                                 | 138.5         | 139.9     | 139.8                  | 50.5                                | 51.8      | 52.1                   | 239.8                      | 246.1     | 251.4                  |
| Tucson .....                                  | 29.9          | 28.0      | 28.1                   | 9.0                                 | 9.5       | 9.5                    | 57.9                       | 60.6      | 61.5                   |
| <b>Arkansas</b> .....                         | 231.5         | 234.2     | 232.9                  | 52.5                                | 53.9      | 52.7                   | 195.6                      | 202.1     | 202.7                  |
| Fayetteville-Springdale .....                 | 13.0          | 13.0      | 13.0                   | 4.6                                 | 4.8       | 4.7                    | 12.0                       | 12.4      | 12.5                   |
| Fort Smith .....                              | 26.6          | 24.8      | 25.0                   | 4.3                                 | 4.4       | 4.4                    | 15.7                       | 15.4      | 15.6                   |
| Little Rock-North Little Rock .....           | 35.8          | 35.1      | 35.2                   | 17.3                                | 17.6      | 17.4                   | 58.3                       | 58.7      | 59.4                   |
| Pine Bluff .....                              | 6.5           | 6.5       | 6.4                    | 2.6                                 | 2.6       | 2.6                    | 7.2                        | 7.4       | 7.5                    |
| <b>California</b> .....                       | 2,166.4       | 2,170.5   | 2,163.7                | 592.3                               | 603.5     | 603.2                  | 2,943.3                    | 2,984.8   | 3,022.0                |
| Anaheim-Santa Ana .....                       | 260.1         | 259.0     | 258.4                  | 34.2                                | 34.4      | 34.5                   | 287.1                      | 292.6     | 298.2                  |
| Bakersfield .....                             | 10.6          | 10.4      | 10.4                   | 7.3                                 | 7.6       | 7.6                    | 38.7                       | 38.2      | 38.7                   |
| Fresno .....                                  | 22.7          | 23.5      | 23.1                   | 11.7                                | 11.7      | 11.8                   | 53.8                       | 54.5      | 54.7                   |
| Los Angeles-Long Beach .....                  | 907.9         | 896.2     | 896.5                  | 206.5                               | 207.1     | 208.1                  | 973.9                      | 984.2     | 997.1                  |
| Modesto .....                                 | 24.7          | 27.0      | 23.9                   | 4.6                                 | 5.0       | 5.1                    | 29.6                       | 30.3      | 30.7                   |
| Oakland .....                                 | 109.4         | 111.3     | 111.5                  | 57.3                                | 60.9      | 60.9                   | 212.9                      | 216.5     | 222.0                  |
| Oxnard-Ventura .....                          | 30.2          | 31.2      | 31.1                   | 10.9                                | 11.7      | 11.6                   | 54.1                       | 55.3      | 56.5                   |
| Riverside-San Bernardino .....                | 82.5          | 83.1      | 83.2                   | 30.6                                | 30.5      | 30.5                   | 158.5                      | 157.8     | 160.8                  |
| Sacramento .....                              | 41.9          | 43.5      | 43.2                   | 25.6                                | 26.9      | 26.8                   | 142.5                      | 144.9     | 147.2                  |
| San Diego .....                               | 128.7         | 133.1     | 133.8                  | 35.5                                | 36.3      | 36.6                   | 229.6                      | 235.0     | 238.9                  |
| San Francisco .....                           | 81.4          | 81.1      | 81.8                   | 77.6                                | 79.1      | 79.6                   | 217.5                      | 217.0     | 219.1                  |
| San Jose .....                                | 276.2         | 274.4     | 273.2                  | 21.6                                | 21.8      | 22.0                   | 163.0                      | 160.5     | 160.6                  |
| Santa Barbara-Santa Maria-Lompoc .....        | 22.1          | 21.6      | 21.7                   | 5.1                                 | 5.4       | 5.4                    | 35.4                       | 35.5      | 35.8                   |
| Santa Rosa-Petaluma .....                     | 19.7          | 20.4      | 20.2                   | 5.8                                 | 5.8       | 5.8                    | 33.6                       | 34.4      | 35.0                   |
| Stockton .....                                | 24.3          | 23.6      | 23.1                   | 9.1                                 | 9.2       | 8.9                    | 35.4                       | 35.4      | 35.4                   |
| Vallejo-Fairfield-Napa .....                  | 12.1          | 12.4      | 12.2                   | 4.7                                 | 4.9       | 4.9                    | 32.4                       | 34.1      | 34.6                   |
| <b>Colorado</b> .....                         | 191.6         | 193.1     | 193.1                  | 90.9                                | 91.0      | 91.1                   | 353.8                      | 359.8     | 362.5                  |
| Boulder-Longmont .....                        | 29.7          | 29.6      | 29.8                   | 2.3                                 | 2.3       | 2.3                    | 23.4                       | 23.6      | 23.9                   |
| Denver .....                                  | 95.4          | 95.8      | 95.4                   | 66.1                                | 66.6      | 66.7                   | 198.7                      | 201.0     | 201.9                  |
| <b>Connecticut</b> .....                      | 375.1         | 368.7     | 368.6                  | 73.3                                | 72.6      | 73.1                   | 391.5                      | 395.6     | 402.7                  |
| Bridgeport-Milford .....                      | 57.0          | 54.6      | 54.7                   | 8.4                                 | 8.6       | 8.7                    | 47.9                       | 47.2      | 47.7                   |
| Hartford .....                                | 90.2          | 88.3      | 88.3                   | 18.9                                | 19.2      | 19.3                   | 106.5                      | 105.3     | 107.3                  |
| New Britain .....                             | 19.3          | 17.9      | 17.8                   | 3.2                                 | 3.3       | 3.3                    | 13.7                       | 14.0      | 14.1                   |
| New Haven-Meriden .....                       | 47.6          | 47.2      | 47.6                   | 17.9                                | 18.2      | 18.3                   | 62.7                       | 63.0      | 64.0                   |
| Stamford .....                                | 23.0          | 21.7      | 21.6                   | 5.5                                 | 5.7       | 5.7                    | 30.0                       | 29.7      | 30.4                   |
| Waterbury .....                               | 24.0          | 22.5      | 22.5                   | 3.0                                 | 3.1       | 3.2                    | 17.7                       | 17.8      | 18.2                   |
| <b>Delaware</b> .....                         | 70.9          | 69.6      | 68.7                   | 14.1                                | 13.8      | 13.6                   | 74.1                       | 76.0      | 77.8                   |
| Wilmington .....                              | 60.0          | 59.1      | 58.2                   | 15.2                                | 15.7      | 15.5                   | 61.5                       | 61.9      | 63.2                   |
| <b>District of Columbia</b> .....             | 16.4          | 16.0      | 16.1                   | 25.0                                | 25.5      | 25.6                   | 67.3                       | 67.8      | 68.6                   |
| Washington MSA .....                          | 87.6          | 86.5      | 86.5                   | 110.1                               | 115.7     | 117.0                  | 438.8                      | 444.4     | 450.3                  |
| <b>Florida</b> .....                          | 544.2         | 544.9     | 549.0                  | 263.8                               | 266.3     | 269.9                  | 1,424.7                    | 1,453.4   | 1,489.2                |
| Daytona Beach .....                           | 11.7          | 11.9      | 12.0                   | 3.7                                 | 3.8       | 3.8                    | 35.1                       | 36.1      | 36.5                   |
| Fort Lauderdale-Hollywood-Pompano Beach ..... | 47.0          | 47.4      | 47.4                   | 23.5                                | 23.1      | 23.5                   | 148.4                      | 148.6     | 152.5                  |
| Fort Myers-Cape Coral .....                   | 6.2           | 6.7       | 6.8                    | 5.3                                 | 5.2       | 5.4                    | 35.3                       | 36.8      | 38.4                   |
| Jacksonville .....                            | 39.5          | 40.3      | 40.5                   | 27.6                                | 27.5      | 27.6                   | 115.7                      | 118.6     | 120.1                  |
| Melbourne-Titusville-Palm Bay .....           | 29.8          | 30.5      | 30.7                   | 5.9                                 | 6.1       | 6.1                    | 36.5                       | 38.0      | 38.9                   |
| Miami-Hialeah .....                           | 93.8          | 91.5      | 91.7                   | 70.3                                | 68.4      | 69.1                   | 239.2                      | 244.2     | 248.3                  |
| Orlando .....                                 | 57.0          | 56.4      | 56.6                   | 26.1                                | 25.7      | 25.9                   | 134.3                      | 135.4     | 138.0                  |
| Pensacola .....                               | 11.3          | 11.3      | 11.3                   | 6.6                                 | 6.7       | 6.7                    | 31.7                       | 31.9      | 32.3                   |
| Sarasota .....                                | 8.7           | 8.8       | 8.8                    | 3.4                                 | 3.4       | 3.5                    | 33.1                       | 34.2      | 35.3                   |
| Tallahassee .....                             | 5.0           | 4.9       | 4.9                    | 2.8                                 | 2.8       | 2.8                    | 24.7                       | 25.4      | 25.7                   |
| Tampa-St. Petersburg-Clearwater .....         | 97.1          | 96.6      | 97.2                   | 39.2                                | 40.1      | 40.2                   | 233.4                      | 238.5     | 243.2                  |
| West Palm Beach-Boca Raton-Delray Beach ..... | 35.6          | 34.5      | 35.4                   | 12.6                                | 13.3      | 13.4                   | 98.4                       | 101.9     | 105.8                  |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                                | Finance, insurance,<br>and real estate |              |                           | Services     |              |                           | Government   |              |                           |
|---|--|--------------|---------------------------|--------------|--------------|---------------------------|--------------|--------------|---------------------------|
|   | Nov.<br>1988                           | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>Alabama</b> .....                          | 70.6                                   | 71.7         | 71.6                      | 289.9        | 298.3        | 298.7                     | 328.1        | 317.6        | 319.5                     |
| Birmingham .....                              | 28.4                                   | 27.6         | 27.6                      | 94.3         | 97.4         | 96.9                      | 64.4         | 63.2         | 63.4                      |
| Huntsville .....                              | 3.7                                    | 3.9          | 3.9                       | 30.6         | 32.1         | 32.0                      | 30.3         | 31.2         | 31.4                      |
| Mobile .....                                  | 8.0                                    | 7.9          | 7.9                       | 38.4         | 39.1         | 39.2                      | 30.4         | 29.3         | 29.9                      |
| Montgomery .....                              | 7.7                                    | 7.6          | 7.7                       | 28.2         | 29.1         | 29.2                      | 33.3         | 32.1         | 32.9                      |
| Tuscaloosa .....                              | 2.1                                    | 2.1          | 2.1                       | 9.0          | 9.4          | 9.4                       | 20.9         | 21.1         | 21.2                      |
| <b>Alaska</b> .....                           | 10.5                                   | 10.5         | 10.5                      | 42.2         | 44.2         | 43.6                      | 68.4         | 70.8         | 70.2                      |
| <b>Arizona</b> .....                          | 91.6                                   | 92.6         | 93.3                      | 362.2        | 376.3        | 379.5                     | 264.2        | 261.3        | 263.3                     |
| Phoenix .....                                 | 73.0                                   | 74.0         | 74.8                      | 243.9        | 253.3        | 255.9                     | 134.4        | 134.8        | 135.3                     |
| Tucson .....                                  | 12.0                                   | 11.6         | 11.5                      | 68.1         | 70.5         | 71.2                      | 57.7         | 55.8         | 56.6                      |
| <b>Arkansas</b> .....                         | 37.8                                   | 38.1         | 38.0                      | 164.2        | 173.9        | 173.5                     | 154.2        | 157.2        | 158.0                     |
| Fayetteville-Springdale .....                 | 1.5                                    | 1.5          | 1.5                       | 7.9          | 8.3          | 8.3                       | 11.0         | 11.3         | 11.3                      |
| Fort Smith .....                              | 2.6                                    | 2.6          | 2.6                       | 16.6         | 16.5         | 16.4                      | 8.0          | 8.3          | 8.4                       |
| Little Rock-North Little Rock .....           | 15.9                                   | 15.9         | 15.9                      | 57.2         | 60.0         | 60.5                      | 47.5         | 47.6         | 47.9                      |
| Pine Bluff .....                              | 1.4                                    | 1.4          | 1.3                       | 6.5          | 6.8          | 6.8                       | 7.7          | 7.7          | 7.6                       |
| <b>California</b> .....                       | 818.0                                  | 832.4        | 835.5                     | 3,127.9      | 3,223.4      | 3,237.3                   | 1,985.5      | 2,045.6      | 2,066.5                   |
| Anaheim-Santa Ana .....                       | 92.1                                   | 91.6         | 92.0                      | 284.5        | 296.2        | 295.4                     | 121.7        | 123.1        | 125.3                     |
| Bakersfield .....                             | 6.4                                    | 6.5          | 6.5                       | 32.9         | 33.2         | 33.0                      | 41.7         | 43.1         | 43.2                      |
| Fresno .....                                  | 12.2                                   | 11.9         | 12.0                      | 51.9         | 53.2         | 53.2                      | 47.6         | 47.3         | 48.1                      |
| Los Angeles-Long Beach .....                  | 287.7                                  | 291.6        | 292.7                     | 1,117.5      | 1,145.7      | 1,155.8                   | 521.2        | 535.9        | 540.6                     |
| Modesto .....                                 | 4.4                                    | 4.3          | 4.3                       | 23.1         | 23.6         | 23.6                      | 18.8         | 19.3         | 19.7                      |
| Oakland .....                                 | 55.2                                   | 56.5         | 56.7                      | 204.3        | 214.9        | 216.0                     | 166.8        | 167.4        | 170.0                     |
| Oxnard-Ventura .....                          | 11.3                                   | 11.4         | 11.5                      | 52.2         | 55.0         | 55.1                      | 41.3         | 41.9         | 42.4                      |
| Riverside-San Bernardino .....                | 28.1                                   | 28.7         | 28.9                      | 151.1        | 154.2        | 155.5                     | 128.8        | 134.0        | 135.5                     |
| Sacramento .....                              | 36.2                                   | 37.7         | 37.8                      | 127.5        | 134.3        | 135.3                     | 177.0        | 182.3        | 184.2                     |
| San Diego .....                               | 64.7                                   | 65.4         | 65.5                      | 248.5        | 262.4        | 262.0                     | 167.9        | 172.2        | 173.9                     |
| San Francisco .....                           | 111.7                                  | 110.8        | 110.5                     | 295.6        | 303.1        | 304.9                     | 137.4        | 138.4        | 139.9                     |
| San Jose .....                                | 32.7                                   | 33.0         | 32.9                      | 211.1        | 215.0        | 215.4                     | 87.2         | 87.8         | 89.1                      |
| Santa Barbara-Santa Maria-Lompoc .....        | 8.6                                    | 8.9          | 8.9                       | 40.4         | 41.1         | 40.9                      | 28.4         | 29.0         | 29.3                      |
| Santa Rosa-Petaluma .....                     | 8.6                                    | 8.5          | 8.6                       | 29.0         | 30.1         | 30.2                      | 23.7         | 24.2         | 24.3                      |
| Stockton .....                                | 8.6                                    | 8.5          | 8.5                       | 30.8         | 30.7         | 30.8                      | 32.1         | 33.0         | 32.9                      |
| Vallejo-Fairfield-Napa .....                  | 4.6                                    | 4.6          | 4.6                       | 28.8         | 30.5         | 30.2                      | 38.5         | 38.9         | 39.1                      |
| <b>Colorado</b> .....                         | 94.0                                   | 94.6         | 95.1                      | 350.5        | 356.7        | 360.4                     | 276.3        | 277.9        | 278.8                     |
| Boulder-Longmont .....                        | 4.0                                    | 4.1          | 4.1                       | 23.3         | 24.1         | 24.2                      | 23.1         | 22.9         | 23.1                      |
| Denver .....                                  | 62.7                                   | 62.7         | 63.0                      | 208.0        | 215.0        | 215.5                     | 130.3        | 130.3        | 130.7                     |
| <b>Connecticut</b> .....                      | 153.7                                  | 154.2        | 154.3                     | 410.5        | 422.2        | 423.1                     | 213.2        | 210.7        | 214.3                     |
| Bridgeport-Milford .....                      | 12.9                                   | 13.2         | 13.1                      | 48.6         | 51.3         | 51.3                      | 20.0         | 19.9         | 20.0                      |
| Hartford .....                                | 75.5                                   | 76.2         | 76.1                      | 115.1        | 116.7        | 116.6                     | 64.0         | 63.0         | 63.6                      |
| New Britain .....                             | 4.4                                    | 4.7          | 4.7                       | 14.1         | 15.0         | 15.0                      | 7.0          | 6.8          | 6.9                       |
| New Haven-Meriden .....                       | 16.5                                   | 17.1         | 17.2                      | 72.3         | 74.9         | 75.1                      | 32.6         | 32.0         | 32.6                      |
| Stamford .....                                | 14.2                                   | 14.8         | 14.8                      | 37.4         | 38.2         | 38.1                      | 10.9         | 10.8         | 10.8                      |
| Waterbury .....                               | 4.5                                    | 4.8          | 4.8                       | 22.3         | 21.9         | 22.0                      | 12.9         | 12.8         | 13.1                      |
| <b>Delaware</b> .....                         | 30.7                                   | 33.3         | 33.4                      | 76.9         | 80.7         | 81.3                      | 48.3         | 49.9         | 50.6                      |
| Wilmington .....                              | 26.8                                   | 29.1         | 29.2                      | 68.4         | 70.0         | 70.1                      | 39.0         | 38.1         | 39.0                      |
| <b>District of Columbia</b> .....             | 34.8                                   | 34.9         | 34.8                      | 248.3        | 259.0        | 259.6                     | 273.2        | 275.8        | 276.5                     |
| Washington MSA .....                          | 128.9                                  | 133.1        | 133.6                     | 714.2        | 748.4        | 748.1                     | 580.2        | 591.9        | 595.5                     |
| <b>Florida</b> .....                          | 368.4                                  | 378.1        | 379.3                     | 1,434.5      | 1,490.4      | 1,509.9                   | 839.0        | 835.3        | 840.1                     |
| Daytona Beach .....                           | 6.4                                    | 6.3          | 6.3                       | 32.6         | 34.0         | 33.9                      | 20.6         | 20.5         | 20.8                      |
| Fort Lauderdale-Hollywood-Pompano Beach ..... | 39.9                                   | 40.0         | 40.1                      | 133.5        | 136.0        | 138.6                     | 67.1         | 65.8         | 67.0                      |
| Fort Myers-Cape Coral .....                   | 8.1                                    | 8.8          | 9.0                       | 33.9         | 35.1         | 35.8                      | 18.7         | 18.6         | 19.0                      |
| Jacksonville .....                            | 39.4                                   | 40.3         | 40.3                      | 106.2        | 109.7        | 109.7                     | 63.4         | 62.0         | 62.5                      |
| Melbourne-Titusville-Palm Bay .....           | 5.7                                    | 5.8          | 5.8                       | 47.1         | 47.9         | 48.1                      | 22.9         | 23.0         | 23.1                      |
| Miami-Hialeah .....                           | 71.6                                   | 73.2         | 73.2                      | 237.0        | 246.7        | 248.1                     | 122.0        | 120.8        | 121.4                     |
| Orlando .....                                 | 33.6                                   | 34.3         | 34.3                      | 162.3        | 172.7        | 174.0                     | 61.9         | 62.1         | 62.6                      |
| Pensacola .....                               | 5.6                                    | 5.6          | 5.6                       | 32.2         | 33.1         | 33.0                      | 30.9         | 30.2         | 30.4                      |
| Sarasota .....                                | 8.6                                    | 8.6          | 8.6                       | 33.7         | 35.3         | 36.0                      | 14.8         | 14.4         | 14.4                      |
| Tallahassee .....                             | 4.9                                    | 5.0          | 5.0                       | 23.9         | 24.4         | 24.3                      | 49.7         | 51.0         | 51.3                      |
| Tampa-St. Petersburg-Clearwater .....         | 66.1                                   | 66.2         | 66.4                      | 245.0        | 253.6        | 254.7                     | 112.7        | 109.8        | 110.3                     |
| West Palm Beach-Boca Raton-Delray Beach ..... | 28.7                                   | 29.5         | 30.1                      | 105.9        | 111.1        | 114.4                     | 48.1         | 46.2         | 46.8                      |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Total     |           |                        | Mining           |                  |                        | Construction |           |                        |
|------------------------------------|-----------|-----------|------------------------|------------------|------------------|------------------------|--------------|-----------|------------------------|
|                                    | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>a</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>a</sup> | Nov. 1988    | Oct. 1989 | Nov. 1989 <sup>a</sup> |
| <b>Georgia</b> .....               | 2,929.5   | 2,953.2   | 2,961.2                | 9.0              | 8.8              | 8.8                    | 145.5        | 145.5     | 146.0                  |
| Athens .....                       | 66.9      | 67.1      | 67.3                   | .1               | .1               | .1                     | 2.4          | 2.6       | 2.6                    |
| Atlanta .....                      | 1,435.9   | 1,455.8   | 1,460.9                | 1.5              | 1.3              | 1.3                    | 69.3         | 68.9      | 68.4                   |
| Augusta .....                      | 159.6     | 159.7     | 160.4                  | .5               | .5               | .5                     | 10.5         | 10.9      | 10.8                   |
| Columbus .....                     | 95.0      | 94.7      | 95.4                   | .1               | .1               | .1                     | 5.0          | 5.1       | 5.0                    |
| Macon—Warner Robins .....          | 123.2     | 123.6     | 124.6                  | .1               | .1               | .1                     | 5.2          | 5.1       | 5.2                    |
| Savannah .....                     | 105.9     | 106.8     | 107.0                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 6.3          | 6.6       | 6.8                    |
| <b>Hawaii</b> .....                | 484.8     | 496.5     | 503.4                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 24.1         | 28.0      | 28.4                   |
| Honolulu .....                     | 383.8     | 391.5     | 397.1                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 18.9         | 21.7      | 22.1                   |
| <b>Idaho</b> .....                 | 359.4     | 378.4     | 376.8                  | 3.7              | 4.0              | 3.9                    | 15.9         | 17.6      | 17.1                   |
| Boise City .....                   | 94.9      | 99.1      | 98.8                   | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 5.2          | 5.0       | 4.9                    |
| <b>Illinois</b> .....              | 5,173.2   | 5,200.0   | 5,203.9                | 20.8             | 20.6             | 20.6                   | 217.9        | 220.8     | 217.9                  |
| Aurora—Elgin .....                 | 146.0     | 148.1     | 149.6                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 7.6          | 8.5       | 8.5                    |
| Bloomington—Normal .....           | 60.9      | 64.6      | 64.7                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 1.9          | 2.5       | 2.4                    |
| Champaign—Urbana—Rantoul .....     | 89.5      | 90.9      | 91.5                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 2.8          | 2.7       | 2.7                    |
| Chicago .....                      | 3,167.5   | 3,187.2   | 3,194.0                | 2.2              | 2.2              | 2.2                    | 137.2        | 143.7     | 142.3                  |
| Davenport—Rock Island—Moline ..... | 156.6     | 158.5     | 158.9                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 4.9          | 5.1       | 4.9                    |
| Decatur .....                      | 52.1      | 53.0      | 53.2                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 2.6          | 2.7       | 2.7                    |
| Joliet .....                       | 99.4      | 99.6      | 99.4                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 5.9          | 6.0       | 6.0                    |
| Kankakee .....                     | 33.3      | 34.2      | 34.1                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 1.2          | 1.3       | 1.3                    |
| Lake County .....                  | 203.7     | 208.8     | 210.8                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 10.2         | 12.5      | 12.5                   |
| Peoria .....                       | 141.8     | 144.0     | 143.8                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 6.2          | 6.3       | 6.3                    |
| Rockford .....                     | 131.1     | 131.9     | 131.8                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 4.7          | 4.7       | 4.7                    |
| Springfield .....                  | 101.0     | 101.2     | 101.4                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 3.1          | 3.1       | 3.0                    |
| <b>Indiana</b> .....               | 2,453.0   | 2,491.4   | 2,494.4                | 8.5              | 8.5              | 8.5                    | 117.1        | 126.5     | 124.8                  |
| Anderson .....                     | 50.0      | 50.9      | 50.5                   | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 1.5          | 1.7       | 1.7                    |
| Bloomington .....                  | 57.0      | 60.7      | 60.5                   | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 2.5          | 3.6       | 3.4                    |
| Elkhart—Goshen .....               | 104.5     | 106.6     | 105.9                  | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 3.0          | 3.1       | 3.2                    |
| Evansville .....                   | 131.5     | 132.9     | 133.6                  | 2.1              | 2.2              | 2.2                    | 7.5          | 7.7       | 7.5                    |
| Fort Wayne .....                   | 195.6     | 200.3     | 201.0                  | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 9.9          | 10.7      | 10.5                   |
| Gary—Hammond .....                 | 233.9     | 243.4     | 243.7                  | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 14.0         | 17.5      | 17.5                   |
| Indianapolis .....                 | 637.1     | 653.3     | 655.0                  | .8               | .9               | .9                     | 33.4         | 37.1      | 36.4                   |
| Lafayette—West Lafayette .....     | 66.0      | 70.0      | 69.7                   | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 3.3          | 4.0       | 3.8                    |
| Muncie .....                       | 53.5      | 52.8      | 54.6                   | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 2.1          | 2.3       | 2.4                    |
| South Bend—Mishawaka .....         | 118.2     | 122.1     | 122.5                  | ( <sup>c</sup> ) | ( <sup>c</sup> ) | ( <sup>c</sup> )       | 6.0          | 7.4       | 7.3                    |
| Terre Haute .....                  | 54.9      | 56.0      | 55.8                   | .3               | .3               | .3                     | 2.3          | 2.6       | 2.5                    |
| <b>Iowa</b> .....                  | 1,187.9   | 1,209.7   | 1,213.1                | 2.2              | 2.2              | 2.1                    | 42.4         | 43.8      | 41.4                   |
| Cedar Rapids .....                 | 90.7      | 92.0      | 92.9                   | .1               | .1               | .1                     | 3.6          | 3.3       | 3.3                    |
| Des Moines .....                   | 219.0     | 223.5     | 224.9                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 7.4          | 7.6       | 7.5                    |
| Dubuque .....                      | 42.8      | 43.6      | 43.5                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 1.1          | 1.1       | 1.0                    |
| Sioux City .....                   | 52.9      | 53.5      | 53.7                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 1.9          | 1.8       | 1.9                    |
| Waterloo—Cedar Falls .....         | 66.1      | 67.0      | 67.5                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 2.4          | 2.9       | 2.8                    |
| <b>Kansas</b> .....                | 1,057.5   | 1,068.8   | 1,073.6                | 10.0             | 9.7              | 9.9                    | 43.0         | 44.7      | 44.0                   |
| Topeka .....                       | 90.6      | 90.1      | 91.0                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 3.2          | 3.6       | 3.6                    |
| Wichita .....                      | 240.9     | 244.7     | 246.2                  | 2.0              | 2.1              | 2.1                    | 10.2         | 9.8       | 9.9                    |
| <b>Kentucky</b> .....              | 1,402.3   | 1,415.2   | 1,419.5                | 35.5             | 33.8             | 34.4                   | 65.0         | 67.5      | 65.3                   |
| Lexington—Fayette .....            | 196.8     | 201.9     | 204.0                  | .3               | .2               | .1                     | 12.0         | 13.1      | 12.9                   |
| Louisville .....                   | 457.6     | 464.3     | 466.3                  | .9               | 1.3              | 1.2                    | 21.9         | 21.5      | 20.9                   |
| Owensboro .....                    | 35.0      | 34.7      | 35.2                   | .6               | .6               | .6                     | 1.9          | 1.9       | 1.8                    |
| <b>Louisiana</b> .....             | 1,518.8   | 1,525.1   | 1,531.6                | 57.0             | 57.4             | 57.5                   | 86.7         | 92.6      | 93.0                   |
| Alexandria .....                   | 45.5      | 45.4      | 45.5                   | .2               | .2               | .2                     | 2.1          | 2.1       | 2.1                    |
| Baton Rouge .....                  | 223.3     | 224.3     | 225.7                  | 1.0              | 1.0              | 1.0                    | 23.8         | 24.5      | 24.7                   |
| Houma—Thibodaux .....              | 54.3      | 53.6      | 53.8                   | 5.9              | 5.9              | 5.9                    | 1.8          | 1.8       | 1.8                    |
| Lafayette .....                    | 86.6      | 87.7      | 87.5                   | 11.6             | 11.6             | 11.5                   | 4.0          | 3.5       | 3.4                    |
| Monroe .....                       | 55.0      | 54.8      | 55.2                   | .5               | .5               | .4                     | 2.3          | 2.5       | 2.5                    |
| New Orleans .....                  | 521.7     | 521.7     | 523.8                  | 15.3             | 14.7             | 14.8                   | 24.1         | 22.7      | 22.4                   |
| Shreveport .....                   | 130.6     | 126.1     | 128.9                  | 3.2              | 3.2              | 3.1                    | 6.7          | 6.1       | 6.3                    |
| <b>Maine</b> .....                 | 531.4     | 536.0     | 535.0                  | .2               | .2               | .2                     | 36.0         | 34.5      | 33.7                   |
| Lewiston—Auburn .....              | 41.8      | 42.6      | 42.6                   | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 2.5          | 2.3       | 2.3                    |
| Portland .....                     | 132.7     | 138.2     | 138.6                  | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )       | 8.8          | 9.7       | 9.5                    |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Manufacturing |           |                        | Transportation and public utilities |           |                        | Wholesale and retail trade |           |                        |
|------------------------------------|---------------|-----------|------------------------|-------------------------------------|-----------|------------------------|----------------------------|-----------|------------------------|
|                                    | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Georgia</b> .....               | 571.7         | 566.5     | 562.5                  | 185.5                               | 186.9     | 187.5                  | 765.1                      | 760.1     | 767.3                  |
| Athens .....                       | 15.2          | 14.9      | 15.0                   | 1.7                                 | 1.9       | 1.8                    | 14.7                       | 14.7      | 14.7                   |
| Atlanta .....                      | 180.4         | 176.4     | 173.9                  | 122.1                               | 121.7     | 122.7                  | 410.5                      | 414.6     | 418.0                  |
| Augusta .....                      | 36.5          | 36.1      | 36.3                   | 4.4                                 | 4.4       | 4.4                    | 35.2                       | 35.3      | 35.8                   |
| Columbus .....                     | 20.3          | 20.3      | 20.4                   | 3.5                                 | 3.5       | 3.5                    | 21.3                       | 20.8      | 21.5                   |
| Macon-Warner Robins .....          | 18.9          | 19.2      | 19.0                   | 5.3                                 | 5.2       | 5.2                    | 28.6                       | 28.2      | 29.0                   |
| Savannah .....                     | 17.7          | 17.7      | 18.0                   | 9.6                                 | 10.4      | 10.2                   | 26.5                       | 26.0      | 26.1                   |
| <b>Hawaii</b> .....                | 22.5          | 21.6      | 21.6                   | 38.6                                | 40.4      | 40.7                   | 128.7                      | 130.5     | 131.8                  |
| Honolulu .....                     | 16.7          | 15.9      | 16.0                   | 31.7                                | 33.1      | 33.4                   | 100.7                      | 101.9     | 102.7                  |
| <b>Idaho</b> .....                 | 60.2          | 63.9      | 63.1                   | 19.2                                | 19.4      | 19.2                   | 89.7                       | 94.0      | 94.7                   |
| Boise City .....                   | 13.5          | 15.2      | 15.2                   | 5.2                                 | 5.3       | 5.3                    | 24.2                       | 24.4      | 24.6                   |
| <b>Illinois</b> .....              | 976.3         | 980.5     | 981.6                  | 302.5                               | 307.0     | 306.9                  | 1,277.9                    | 1,297.0   | 1,299.9                |
| Aurora-Elgin .....                 | 37.9          | 38.0      | 38.1                   | 3.1                                 | 3.0       | 3.0                    | 39.8                       | 40.5      | 41.2                   |
| Bloomington-Normal .....           | 6.3           | 8.6       | 8.7                    | 2.7                                 | 2.6       | 2.7                    | 13.2                       | 13.3      | 13.3                   |
| Champaign-Urbana-Rantoul .....     | 8.5           | 9.1       | 9.1                    | 2.3                                 | 2.4       | 2.4                    | 20.4                       | 20.2      | 20.3                   |
| Chicago .....                      | 567.5         | 562.7     | 562.2                  | 190.7                               | 191.7     | 191.6                  | 786.7                      | 790.6     | 797.6                  |
| Davenport-Rock Island-Moline ..... | 32.1          | 32.9      | 33.1                   | 8.0                                 | 8.1       | 8.1                    | 42.8                       | 43.5      | 43.5                   |
| Decatur .....                      | 13.5          | 13.7      | 13.8                   | 5.0                                 | 5.1       | 5.2                    | 11.7                       | 11.7      | 11.7                   |
| Joliet .....                       | 18.9          | 19.2      | 19.1                   | 8.4                                 | 8.4       | 8.3                    | 23.0                       | 22.9      | 23.0                   |
| Kankakee .....                     | 5.4           | 5.6       | 5.6                    | 1.1                                 | 1.3       | 1.3                    | 8.3                        | 8.5       | 8.4                    |
| Lake County .....                  | 43.8          | 44.4      | 44.5                   | 7.2                                 | 7.3       | 7.2                    | 57.0                       | 59.1      | 59.3                   |
| Peoria .....                       | 34.2          | 35.8      | 35.6                   | 7.1                                 | 7.1       | 7.1                    | 33.9                       | 34.0      | 33.9                   |
| Rockford .....                     | 45.7          | 45.6      | 45.4                   | 5.2                                 | 5.0       | 5.0                    | 28.7                       | 28.8      | 28.9                   |
| Springfield .....                  | 3.9           | 3.6       | 3.8                    | 4.9                                 | 5.0       | 5.0                    | 22.5                       | 22.4      | 22.4                   |
| <b>Indiana</b> .....               | 641.1         | 631.8     | 631.1                  | 127.3                               | 130.3     | 130.7                  | 586.2                      | 588.3     | 595.2                  |
| Anderson .....                     | 17.1          | 17.3      | 16.8                   | 1.5                                 | 1.5       | 1.5                    | 11.7                       | 11.7      | 11.8                   |
| Bloomington .....                  | 10.4          | 11.1      | 11.2                   | 1.7                                 | 1.8       | 1.8                    | 12.7                       | 13.2      | 13.2                   |
| Elkhart-Goshen .....               | 56.8          | 56.8      | 56.4                   | 2.9                                 | 3.0       | 2.9                    | 19.0                       | 19.5      | 19.5                   |
| Evansville .....                   | 31.3          | 31.1      | 31.5                   | 6.6                                 | 6.7       | 6.7                    | 34.8                       | 34.7      | 35.3                   |
| Fort Wayne .....                   | 53.0          | 52.0      | 52.0                   | 12.9                                | 13.6      | 13.6                   | 48.8                       | 49.6      | 50.5                   |
| Gary-Hammond .....                 | 57.1          | 58.0      | 57.8                   | 15.6                                | 16.1      | 16.1                   | 55.5                       | 58.0      | 58.5                   |
| Indianapolis .....                 | 106.8         | 108.4     | 108.6                  | 39.1                                | 41.2      | 41.3                   | 165.3                      | 168.7     | 170.8                  |
| Lafayette-West Lafayette .....     | 12.6          | 13.3      | 13.2                   | 1.9                                 | 2.0       | 1.9                    | 13.2                       | 13.8      | 13.8                   |
| Muncie .....                       | 11.2          | 9.1       | 10.8                   | 2.4                                 | 2.4       | 2.4                    | 13.0                       | 13.4      | 13.5                   |
| South Bend-Mishawaka .....         | 23.7          | 23.1      | 23.0                   | 5.4                                 | 5.6       | 5.6                    | 31.0                       | 31.6      | 32.0                   |
| Terre Haute .....                  | 10.1          | 10.3      | 10.1                   | 3.0                                 | 3.3       | 3.3                    | 14.9                       | 15.2      | 15.2                   |
| <b>Iowa</b> .....                  | 232.1         | 236.8     | 237.4                  | 55.4                                | 56.0      | 56.0                   | 302.4                      | 308.7     | 311.6                  |
| Cedar Rapids .....                 | 23.9          | 23.7      | 23.8                   | 5.4                                 | 5.5       | 5.6                    | 21.9                       | 21.8      | 22.0                   |
| Des Moines .....                   | 25.9          | 27.1      | 27.2                   | 12.6                                | 12.9      | 13.0                   | 57.5                       | 57.9      | 58.7                   |
| Dubuque .....                      | 12.2          | 12.3      | 12.5                   | 1.7                                 | 1.9       | 1.8                    | 10.2                       | 10.3      | 10.4                   |
| Sioux City .....                   | 10.3          | 10.8      | 10.8                   | 3.3                                 | 3.4       | 3.4                    | 13.7                       | 13.7      | 13.8                   |
| Waterloo-Cedar Falls .....         | 15.5          | 15.2      | 15.3                   | 1.9                                 | 1.9       | 1.9                    | 15.7                       | 15.8      | 16.2                   |
| <b>Kansas</b> .....                | 182.3         | 184.7     | 185.3                  | 65.1                                | 66.0      | 66.1                   | 263.3                      | 261.5     | 264.2                  |
| Topeka .....                       | 8.6           | 8.6       | 8.9                    | 6.7                                 | 6.5       | 6.5                    | 21.8                       | 21.8      | 22.2                   |
| Wichita .....                      | 62.3          | 64.4      | 64.9                   | 11.5                                | 11.6      | 11.5                   | 55.9                       | 54.9      | 55.6                   |
| <b>Kentucky</b> .....              | 277.6         | 282.3     | 282.2                  | 74.7                                | 75.8      | 76.0                   | 337.4                      | 338.6     | 342.8                  |
| Lexington-Fayette .....            | 32.3          | 35.1      | 35.4                   | 8.5                                 | 8.4       | 8.5                    | 43.4                       | 44.4      | 44.8                   |
| Louisville .....                   | 88.0          | 87.7      | 87.5                   | 28.9                                | 29.3      | 29.8                   | 113.1                      | 111.5     | 112.1                  |
| Owensboro .....                    | 6.1           | 6.4       | 6.4                    | 2.1                                 | 2.1       | 2.1                    | 9.2                        | 8.8       | 9.0                    |
| <b>Louisiana</b> .....             | 172.6         | 172.9     | 175.1                  | 108.4                               | 109.2     | 109.5                  | 364.3                      | 362.5     | 365.1                  |
| Alexandria .....                   | 3.2           | 3.4       | 3.4                    | 2.1                                 | 2.1       | 2.1                    | 10.9                       | 10.4      | 10.4                   |
| Baton Rouge .....                  | 19.3          | 19.8      | 19.9                   | 10.5                                | 10.3      | 10.4                   | 54.1                       | 53.6      | 54.4                   |
| Houma-Thibodaux .....              | 4.8           | 4.6       | 4.6                    | 6.2                                 | 6.0       | 6.0                    | 13.8                       | 13.7      | 13.8                   |
| Lafayette .....                    | 7.1           | 7.8       | 7.7                    | 6.1                                 | 6.2       | 6.2                    | 23.6                       | 24.2      | 24.6                   |
| Monroe .....                       | 7.4           | 7.2       | 7.3                    | 3.0                                 | 2.8       | 2.8                    | 14.2                       | 13.7      | 14.1                   |
| New Orleans .....                  | 43.1          | 43.8      | 43.8                   | 44.8                                | 43.3      | 43.5                   | 135.9                      | 135.1     | 136.0                  |
| Shreveport .....                   | 17.7          | 16.1      | 18.3                   | 8.1                                 | 7.8       | 7.7                    | 32.0                       | 31.2      | 31.7                   |
| <b>Maine</b> .....                 | 110.2         | 108.1     | 107.1                  | 21.5                                | 20.5      | 20.2                   | 128.5                      | 131.0     | 132.5                  |
| Lewiston-Auburn .....              | 10.2          | 9.8       | 9.8                    | 1.5                                 | 1.4       | 1.4                    | 10.7                       | 11.5      | 11.7                   |
| Portland .....                     | 17.8          | 18.0      | 17.6                   | 5.2                                 | 4.6       | 5.4                    | 40.6                       | 42.7      | 43.0                   |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Finance, insurance,<br>and real estate |              |                           | Services     |              |                           | Government   |              |                           |
|------------------------------------|--|--------------|---------------------------|--------------|--------------|---------------------------|--------------|--------------|---------------------------|
|                                    | Nov.<br>1988                           | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>Georgia</b> .....               | 163.1                                  | 162.8        | 162.8                     | 582.5        | 601.9        | 602.8                     | 507.1        | 520.7        | 523.4                     |
| Athens .....                       | 2.0                                    | 1.9          | 1.9                       | 10.7         | 10.5         | 10.5                      | 20.1         | 20.5         | 20.6                      |
| Atlanta .....                      | 104.3                                  | 104.9        | 105.2                     | 341.0        | 357.4        | 359.8                     | 206.8        | 210.6        | 211.6                     |
| Augusta .....                      | 5.7                                    | 5.4          | 5.4                       | 32.9         | 33.1         | 33.0                      | 34.0         | 34.1         | 34.2                      |
| Columbus .....                     | 6.5                                    | 6.6          | 6.5                       | 17.5         | 17.4         | 17.2                      | 20.7         | 21.0         | 21.1                      |
| Macon-Warner Robins .....          | 7.7                                    | 7.9          | 7.9                       | 23.3         | 23.4         | 23.5                      | 34.0         | 34.4         | 34.6                      |
| Savannah .....                     | 4.6                                    | 4.5          | 4.5                       | 25.1         | 25.1         | 25.0                      | 16.0         | 16.5         | 16.5                      |
| <b>Hawaii</b> .....                | 35.0                                   | 36.0         | 36.3                      | 134.3        | 139.6        | 141.1                     | 101.6        | 100.4        | 103.5                     |
| Honolulu .....                     | 29.5                                   | 30.2         | 30.4                      | 101.0        | 104.9        | 105.9                     | 85.3         | 83.8         | 86.6                      |
| <b>Idaho</b> .....                 | 19.7                                   | 19.5         | 19.4                      | 73.0         | 78.0         | 77.5                      | 78.0         | 82.0         | 81.9                      |
| Boise City .....                   | 7.9                                    | 7.9          | 8.0                       | 21.3         | 22.4         | 22.1                      | 17.9         | 18.9         | 18.7                      |
| <b>Illinois</b> .....              | 368.5                                  | 373.6        | 373.6                     | 1,237.6      | 1,260.2      | 1,259.1                   | 771.7        | 740.3        | 744.3                     |
| Aurora-Elgin .....                 | 8.5                                    | 8.7          | 8.6                       | 33.1         | 33.9         | 34.3                      | 15.9         | 15.5         | 15.9                      |
| Bloomington-Normal .....           | 10.0                                   | 10.0         | 10.0                      | 13.3         | 13.4         | 13.4                      | 13.5         | 14.2         | 14.2                      |
| Champaign-Urbana-Rantoul .....     | 3.4                                    | 3.5          | 3.5                       | 16.3         | 17.0         | 17.2                      | 35.8         | 36.0         | 36.3                      |
| Chicago .....                      | 270.8                                  | 272.4        | 272.3                     | 826.6        | 849.6        | 849.7                     | 385.8        | 374.3        | 376.1                     |
| Davenport-Rock Island-Moline ..... | 8.2                                    | 8.3          | 8.3                       | 33.0         | 33.2         | 33.2                      | 27.6         | 27.4         | 27.8                      |
| Decatur .....                      | 2.2                                    | 2.1          | 2.1                       | 11.4         | 12.0         | 12.0                      | 5.7          | 5.7          | 5.7                       |
| Joliet .....                       | 3.8                                    | 3.7          | 3.7                       | 22.0         | 22.0         | 21.9                      | 17.1         | 17.4         | 17.4                      |
| Kankakee .....                     | 1.5                                    | 1.5          | 1.5                       | 9.1          | 9.3          | 9.3                       | 6.7          | 6.7          | 6.7                       |
| Lake County .....                  | 7.1                                    | 7.0          | 7.1                       | 44.7         | 46.6         | 46.6                      | 33.3         | 31.9         | 33.6                      |
| Peoria .....                       | 7.3                                    | 7.6          | 7.6                       | 36.5         | 36.7         | 36.7                      | 16.6         | 16.5         | 16.6                      |
| Rockford .....                     | 5.3                                    | 5.4          | 5.4                       | 29.3         | 30.3         | 30.3                      | 12.2         | 12.1         | 12.1                      |
| Springfield .....                  | 8.0                                    | 8.2          | 8.2                       | 25.4         | 25.5         | 25.5                      | 33.1         | 33.4         | 33.5                      |
| <b>Indiana</b> .....               | 120.0                                  | 124.7        | 124.8                     | 481.5        | 504.4        | 501.9                     | 371.3        | 376.8        | 377.6                     |
| Anderson .....                     | 1.7                                    | 1.6          | 1.6                       | 10.2         | 10.4         | 10.5                      | 6.4          | 6.6          | 6.7                       |
| Bloomington .....                  | 2.0                                    | 2.4          | 2.4                       | 8.8          | 9.6          | 9.6                       | 18.9         | 19.1         | 18.9                      |
| Elkhart-Goshen .....               | 2.7                                    | 3.0          | 3.0                       | 14.1         | 14.9         | 14.8                      | 5.9          | 6.3          | 6.2                       |
| Evansville .....                   | 5.2                                    | 5.4          | 5.4                       | 30.9         | 32.4         | 32.2                      | 13.0         | 12.8         | 13.0                      |
| Fort Wayne .....                   | 12.5                                   | 13.1         | 13.2                      | 40.0         | 42.7         | 42.7                      | 18.6         | 18.5         | 18.6                      |
| Gary-Hammond .....                 | 8.4                                    | 8.5          | 8.5                       | 51.4         | 53.2         | 53.1                      | 32.0         | 32.1         | 32.3                      |
| Indianapolis .....                 | 48.7                                   | 49.3         | 49.3                      | 147.3        | 150.7        | 150.4                     | 95.6         | 97.0         | 97.3                      |
| Lafayette-West Lafayette .....     | 3.1                                    | 3.3          | 3.3                       | 10.7         | 12.0         | 11.9                      | 21.2         | 21.7         | 21.7                      |
| Muncie .....                       | 1.7                                    | 1.7          | 1.7                       | 11.0         | 11.6         | 11.5                      | 12.1         | 12.3         | 12.3                      |
| South Bend-Mishawaka .....         | 6.1                                    | 6.4          | 6.5                       | 34.3         | 36.1         | 36.1                      | 11.7         | 11.9         | 11.9                      |
| Terre Haute .....                  | 2.0                                    | 2.0          | 2.0                       | 11.3         | 11.6         | 11.6                      | 11.0         | 10.7         | 10.7                      |
| <b>Iowa</b> .....                  | 66.8                                   | 68.4         | 68.7                      | 268.8        | 276.2        | 276.0                     | 217.8        | 217.6        | 219.9                     |
| Cedar Rapids .....                 | 4.8                                    | 5.1          | 5.1                       | 21.5         | 22.5         | 23.0                      | 9.6          | 10.1         | 10.1                      |
| Des Moines .....                   | 29.8                                   | 31.0         | 31.2                      | 55.0         | 56.6         | 56.6                      | 30.6         | 30.2         | 30.5                      |
| Dubuque .....                      | 1.4                                    | 1.5          | 1.5                       | 12.7         | 13.0         | 12.8                      | 3.4          | 3.4          | 3.4                       |
| Sioux City .....                   | 2.5                                    | 2.6          | 2.6                       | 14.6         | 14.7         | 14.6                      | 6.6          | 6.5          | 6.6                       |
| Waterloo-Cedar Falls .....         | 2.9                                    | 2.9          | 2.9                       | 14.7         | 15.1         | 15.0                      | 12.9         | 13.1         | 13.3                      |
| <b>Kansas</b> .....                | 58.3                                   | 58.8         | 58.8                      | 216.7        | 224.6        | 224.5                     | 218.8        | 218.8        | 220.8                     |
| Topeka .....                       | 6.6                                    | 6.6          | 6.7                       | 20.9         | 20.7         | 20.7                      | 22.7         | 22.2         | 22.3                      |
| Wichita .....                      | 10.9                                   | 10.7         | 10.8                      | 58.3         | 60.7         | 60.7                      | 29.8         | 30.5         | 30.7                      |
| <b>Kentucky</b> .....              | 58.1                                   | 59.0         | 58.8                      | 295.7        | 307.0        | 308.0                     | 258.3        | 251.2        | 252.0                     |
| Lexington-Fayette .....            | 9.3                                    | 9.4          | 9.4                       | 42.9         | 43.3         | 43.3                      | 48.1         | 48.0         | 49.6                      |
| Louisville .....                   | 26.1                                   | 26.1         | 25.8                      | 114.1        | 122.0        | 123.3                     | 64.6         | 64.9         | 65.7                      |
| Owensboro .....                    | 1.4                                    | 1.3          | 1.4                       | 7.9          | 8.0          | 7.9                       | 5.8          | 5.6          | 6.0                       |
| <b>Louisiana</b> .....             | 82.0                                   | 79.1         | 79.4                      | 331.1        | 335.4        | 335.8                     | 316.7        | 316.0        | 316.2                     |
| Alexandria .....                   | 2.6                                    | 2.5          | 2.5                       | 11.5         | 11.6         | 11.6                      | 12.9         | 13.1         | 13.2                      |
| Baton Rouge .....                  | 13.8                                   | 13.6         | 13.7                      | 46.0         | 46.5         | 46.6                      | 54.8         | 55.0         | 55.0                      |
| Houma-Thibodaux .....              | 2.2                                    | 2.0          | 2.0                       | 9.1          | 9.3          | 9.5                       | 10.5         | 10.3         | 10.2                      |
| Lafayette .....                    | 3.5                                    | 3.4          | 3.4                       | 18.0         | 18.6         | 18.2                      | 12.7         | 12.4         | 12.5                      |
| Monroe .....                       | 4.3                                    | 4.2          | 4.1                       | 11.9         | 12.4         | 12.4                      | 11.4         | 11.5         | 11.6                      |
| New Orleans .....                  | 34.0                                   | 32.6         | 32.7                      | 139.3        | 142.7        | 143.6                     | 85.2         | 86.8         | 87.0                      |
| Shreveport .....                   | 6.4                                    | 6.0          | 6.0                       | 31.1         | 30.9         | 30.9                      | 25.4         | 24.8         | 24.9                      |
| <b>Maine</b> .....                 | 25.4                                   | 25.4         | 25.2                      | 112.9        | 118.4        | 116.5                     | 96.7         | 97.9         | 99.6                      |
| Lewiston-Auburn .....              | 2.2                                    | 2.3          | 2.3                       | 10.7         | 11.2         | 11.0                      | 4.0          | 4.1          | 4.1                       |
| Portland .....                     | 12.1                                   | 11.9         | 11.9                      | 31.3         | 34.5         | 34.1                      | 16.9         | 16.8         | 17.1                      |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Total     |           |                        | Mining           |                  |                        | Construction |           |                        |
|------------------------------------|-----------|-----------|------------------------|------------------|------------------|------------------------|--------------|-----------|------------------------|
|                                    | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>P</sup> | Nov. 1988    | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Maryland</b> .....              | 2,127.9   | 2,152.4   | 2,158.9                | 1.7              | 1.7              | 1.7                    | 165.9        | 167.8     | 167.0                  |
| Baltimore MSA .....                | 1,133.6   | 1,142.0   | 1,148.5                | .3               | .3               | .3                     | 78.4         | 79.0      | 79.4                   |
| Baltimore City .....               | 474.8     | 477.5     | 478.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 20.5         | 20.6      | 20.5                   |
| Suburban Maryland-D.C. ....        | 765.6     | 776.9     | 780.8                  | .5               | .5               | .5                     | 69.0         | 69.1      | 68.7                   |
| <b>Massachusetts</b> .....         | 3,169.3   | 3,143.4   | 3,145.9                | 1.8              | 1.4              | 1.4                    | 148.0        | 139.4     | 135.5                  |
| Boston .....                       | 1,785.8   | 1,757.2   | 1,760.9                | 1.0              | 1.1              | 1.1                    | 74.9         | 72.9      | 71.2                   |
| Brockton .....                     | 75.6      | 75.2      | 75.7                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 4.4          | 4.7       | 4.6                    |
| Fall River .....                   | 57.0      | 56.1      | 56.3                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.4          | 3.5       | 3.2                    |
| Fitchburg-Leominster .....         | 42.0      | 41.6      | 41.9                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.8          | 2.7       | 2.7                    |
| Lawrence-Haverhill .....           | 166.8     | 166.8     | 166.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 7.8          | 7.7       | 7.6                    |
| Lowell .....                       | 111.1     | 110.5     | 110.1                  | .2               | .1               | .1                     | 6.1          | 6.3       | 6.2                    |
| New Bedford .....                  | 69.8      | 69.4      | 69.7                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.7          | 4.0       | 3.8                    |
| Pittsfield .....                   | 43.1      | 44.0      | 44.0                   | .1               | .1               | .1                     | 2.8          | 2.9       | 2.8                    |
| Springfield .....                  | 245.6     | 244.2     | 245.3                  | .1               | .1               | .1                     | 10.8         | 11.0      | 10.9                   |
| Worcester .....                    | 213.8     | 215.8     | 217.4                  | .1               | .1               | .1                     | 11.3         | 10.7      | 10.7                   |
| <b>Michigan</b> .....              | 3,917.3   | 3,915.6   | 3,917.8                | 10.6             | 10.4             | 10.3                   | 144.1        | 148.8     | 143.6                  |
| Ann Arbor .....                    | 179.0     | 178.3     | 180.3                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 6.9          | 6.1       | 6.1                    |
| Battle Creek .....                 | 59.7      | 60.7      | 59.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.0          | 2.3       | 2.0                    |
| Benton Harbor .....                | 67.4      | 67.4      | 67.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.6          | 1.7       | 1.6                    |
| Detroit .....                      | 1,946.4   | 1,955.9   | 1,952.6                | .8               | .8               | .8                     | 68.4         | 70.9      | 68.5                   |
| Flint .....                        | 166.4     | 170.1     | 174.6                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 5.4          | 6.2       | 5.9                    |
| Grand Rapids .....                 | 341.6     | 347.0     | 347.6                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 17.9         | 18.1      | 17.9                   |
| Jackson .....                      | 54.8      | 55.5      | 55.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.6          | 1.8       | 1.7                    |
| Kalamazoo .....                    | 112.4     | 113.8     | 113.7                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.8          | 4.0       | 3.8                    |
| Lansing-East Lansing .....         | 217.8     | 220.0     | 219.1                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 7.3          | 6.9       | 6.3                    |
| Muskegon .....                     | 58.9      | 58.6      | 58.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.5          | 2.6       | 2.5                    |
| Saginaw-Bay City-Midland .....     | 161.4     | 162.6     | 163.2                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 8.0          | 8.7       | 8.3                    |
| <b>Minnesota</b> .....             | 2,067.0   | 2,122.0   | 2,119.2                | 7.1              | 7.8              | 7.3                    | 83.7         | 89.7      | 85.1                   |
| Duluth .....                       | 93.0      | 93.8      | 94.3                   | 4.8              | 5.2              | 4.9                    | 3.7          | 3.8       | 3.8                    |
| Minneapolis-St. Paul .....         | 1,347.7   | 1,380.5   | 1,383.5                | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 56.1         | 59.2      | 57.4                   |
| Rochester .....                    | 62.1      | 64.0      | 64.0                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 2.2          | 2.5       | 2.3                    |
| St. Cloud .....                    | 74.4      | 76.4      | 76.0                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 3.8          | 4.6       | 3.9                    |
| <b>Mississippi</b> .....           | 920.7     | 925.4     | 926.1                  | 6.2              | 5.9              | 6.0                    | 37.3         | 36.0      | 35.6                   |
| Jackson .....                      | 185.0     | 188.2     | 188.3                  | .8               | .9               | .9                     | 8.6          | 8.3       | 8.1                    |
| <b>Missouri</b> .....              | 2,273.7   | 2,297.1   | 2,291.7                | 5.2              | 5.3              | 5.3                    | 95.2         | 97.6      | 94.9                   |
| Kansas City .....                  | 765.6     | 776.2     | 779.1                  | .6               | .5               | .5                     | 34.1         | 34.7      | 34.5                   |
| St. Louis .....                    | 1,156.9   | 1,171.4   | 1,167.9                | 3.3              | 3.2              | 3.2                    | 54.0         | 56.5      | 54.6                   |
| Springfield .....                  | 114.7     | 116.4     | 116.8                  | .1               | .1               | .1                     | 4.5          | 4.6       | 4.5                    |
| <b>Montana</b> .....               | 286.1     | 288.0     | 286.4                  | 6.2              | 6.4              | 6.0                    | 9.2          | 10.2      | 9.4                    |
| <b>Nebraska</b> .....              | 705.3     | 722.6     | 727.2                  | 1.5              | 1.9              | 1.8                    | 26.0         | 28.0      | 27.6                   |
| Lincoln .....                      | 122.0     | 124.5     | 125.7                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 4.2          | 4.1       | 4.1                    |
| Omaha .....                        | 315.5     | 323.8     | 326.1                  | .2               | .2               | .2                     | 12.6         | 13.0      | 12.9                   |
| <b>Nevada</b> .....                | 558.9     | 587.1     | 591.0                  | 12.0             | 13.4             | 13.5                   | 40.4         | 46.0      | 45.6                   |
| Las Vegas .....                    | 320.9     | 339.1     | 343.0                  | .2               | .2               | .2                     | 25.0         | 29.1      | 29.0                   |
| Reno .....                         | 141.2     | 146.4     | 146.8                  | 1.4              | 1.5              | 1.4                    | 8.3          | 9.3       | 9.1                    |
| <b>New Hampshire</b> .....         | 538.6     | 537.3     | 535.2                  | .7               | .7               | .7                     | 37.3         | 33.9      | 32.0                   |
| Manchester .....                   | 87.6      | 85.0      | 85.6                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 6.4          | 6.1       | 5.8                    |
| Nashua .....                       | 96.8      | 94.3      | 94.0                   | .1               | .1               | .1                     | 4.8          | 4.1       | 4.2                    |
| Portsmouth-Dover-Rochester .....   | 113.7     | 114.1     | 113.3                  | .2               | .1               | .1                     | 5.9          | 5.6       | 5.2                    |
| <b>New Jersey</b> .....            | 3,696.4   | 3,714.0   | 3,720.1                | 2.5              | 2.4              | 2.4                    | 181.5        | 183.8     | 180.5                  |
| Atlantic City .....                | 167.2     | 174.4     | 171.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 10.3         | 12.4      | 12.7                   |
| Bergen-Passaic .....               | 685.1     | 693.4     | 696.8                  | .1               | .2               | .2                     | 34.1         | 35.8      | 35.3                   |
| Camden .....                       | 443.4     | 448.6     | 450.8                  | .1               | .1               | .1                     | 24.9         | 26.3      | 26.2                   |
| Jersey City .....                  | 250.6     | 253.9     | 254.9                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 7.3          | 7.9       | 8.0                    |
| Middlesex-Somerset-Hunterdon ..... | 540.8     | 549.9     | 552.0                  | .6               | .6               | .7                     | 25.7         | 26.3      | 25.9                   |
| Monmouth-Ocean .....               | 329.6     | 341.0     | 339.5                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 21.5         | 24.1      | 23.7                   |
| Newark .....                       | 966.9     | 972.1     | 978.3                  | .7               | .7               | .6                     | 41.2         | 43.1      | 42.6                   |
| Trenton .....                      | 200.8     | 200.6     | 201.6                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 5.6          | 6.3       | 6.2                    |
| Vineland-Millville-Bridgeton ..... | 58.0      | 59.4      | 59.3                   | .4               | .4               | .4                     | 2.3          | 2.3       | 2.3                    |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Manufacturing |           |                        | Transportation and public utilities |           |                        | Wholesale and retail trade |           |                        |
|------------------------------------|---------------|-----------|------------------------|-------------------------------------|-----------|------------------------|----------------------------|-----------|------------------------|
|                                    | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Maryland</b> .....              | 210.2         | 206.7     | 206.0                  | 97.2                                | 97.0      | 98.4                   | 541.7                      | 544.1     | 548.4                  |
| Baltimore MSA .....                | 132.8         | 130.2     | 129.9                  | 55.1                                | 56.0      | 56.2                   | 280.2                      | 279.3     | 283.0                  |
| Baltimore City .....               | 45.5          | 45.1      | 45.1                   | 28.0                                | 28.1      | 28.1                   | 97.9                       | 96.6      | 97.0                   |
| Suburban Maryland-D.C. ....        | 36.2          | 36.8      | 37.2                   | 29.9                                | 29.6      | 30.0                   | 204.1                      | 205.0     | 207.3                  |
| <b>Massachusetts</b> .....         | 586.1         | 561.6     | 559.0                  | 135.8                               | 125.1     | 125.5                  | 743.4                      | 737.4     | 744.8                  |
| Boston .....                       | 271.0         | 259.9     | 259.0                  | 77.7                                | 70.2      | 70.1                   | 397.4                      | 384.0     | 388.2                  |
| Brockton .....                     | 11.1          | 10.6      | 10.5                   | 5.3                                 | 4.6       | 4.7                    | 23.0                       | 23.1      | 23.2                   |
| Fall River .....                   | 15.6          | 14.8      | 14.8                   | 2.0                                 | 1.7       | 1.7                    | 15.0                       | 14.7      | 15.0                   |
| Fitchburg-Leominster .....         | 12.3          | 12.2      | 12.3                   | 1.5                                 | 1.4       | 1.4                    | 10.7                       | 10.5      | 10.7                   |
| Lawrence-Haverhill .....           | 49.8          | 46.4      | 46.3                   | 7.1                                 | 6.8       | 6.8                    | 37.8                       | 38.9      | 39.2                   |
| Lowell .....                       | 36.6          | 34.6      | 34.0                   | 5.1                                 | 5.5       | 5.7                    | 24.1                       | 24.4      | 24.5                   |
| New Bedford .....                  | 19.0          | 17.7      | 17.7                   | 3.0                                 | 2.9       | 2.9                    | 16.6                       | 16.8      | 17.0                   |
| Pittsfield .....                   | 10.9          | 10.8      | 10.9                   | 1.2                                 | 1.1       | 1.0                    | 10.4                       | 10.8      | 11.0                   |
| Springfield .....                  | 51.1          | 48.8      | 48.8                   | 10.0                                | 10.0      | 9.9                    | 59.3                       | 59.3      | 60.2                   |
| Worcester .....                    | 45.6          | 45.8      | 45.5                   | 9.8                                 | 9.1       | 9.2                    | 52.0                       | 52.2      | 53.5                   |
| <b>Michigan</b> .....              | 960.2         | 940.5     | 937.0                  | 155.7                               | 155.2     | 154.9                  | 910.3                      | 924.5     | 935.9                  |
| Ann Arbor .....                    | 38.7          | 35.0      | 35.1                   | 4.3                                 | 4.0       | 4.0                    | 32.4                       | 34.7      | 35.1                   |
| Battle Creek .....                 | 15.6          | 15.5      | 14.2                   | 1.8                                 | 1.7       | 1.7                    | 12.6                       | 12.9      | 13.1                   |
| Benton Harbor .....                | 22.5          | 21.6      | 21.6                   | 2.4                                 | 2.4       | 2.4                    | 14.3                       | 14.9      | 14.9                   |
| Detroit .....                      | 468.0         | 467.8     | 463.2                  | 87.7                                | 88.0      | 88.1                   | 457.4                      | 466.0     | 472.5                  |
| Flint .....                        | 49.2          | 47.4      | 51.2                   | 4.2                                 | 4.0       | 4.0                    | 44.8                       | 46.9      | 48.0                   |
| Grand Rapids .....                 | 99.8          | 100.4     | 100.2                  | 12.1                                | 12.2      | 12.2                   | 89.9                       | 92.5      | 93.1                   |
| Jackson .....                      | 13.9          | 13.8      | 13.5                   | 4.2                                 | 4.2       | 4.2                    | 12.5                       | 12.6      | 12.9                   |
| Kalamazoo .....                    | 30.6          | 30.2      | 29.9                   | 3.3                                 | 3.4       | 3.4                    | 25.6                       | 27.0      | 27.5                   |
| Lansing-East Lansing .....         | 33.3          | 31.8      | 30.0                   | 5.4                                 | 5.6       | 5.5                    | 46.4                       | 48.3      | 49.1                   |
| Muskegon .....                     | 17.1          | 16.3      | 16.2                   | 2.4                                 | 2.4       | 2.3                    | 13.7                       | 14.0      | 14.1                   |
| Saginaw-Bay City-Midland .....     | 44.8          | 43.4      | 43.4                   | 7.0                                 | 7.1       | 7.1                    | 37.8                       | 37.8      | 39.0                   |
| <b>Minnesota</b> .....             | 398.1         | 400.5     | 397.5                  | 104.2                               | 107.9     | 107.6                  | 518.9                      | 525.3     | 526.8                  |
| Duluth .....                       | 8.0           | 8.1       | 8.1                    | 5.8                                 | 6.0       | 6.0                    | 23.0                       | 23.3      | 23.5                   |
| Minneapolis-St. Paul .....         | 266.3         | 266.5     | 266.2                  | 71.8                                | 74.5      | 74.4                   | 337.6                      | 339.5     | 342.0                  |
| Rochester .....                    | 11.3          | 12.0      | 12.0                   | 1.8                                 | 1.8       | 1.8                    | 12.9                       | 12.9      | 13.1                   |
| St. Cloud .....                    | 13.4          | 13.2      | 12.6                   | 3.7                                 | 3.9       | 4.0                    | 21.9                       | 23.0      | 23.4                   |
| <b>Mississippi</b> .....           | 241.1         | 242.9     | 242.3                  | 44.6                                | 46.0      | 45.6                   | 195.1                      | 198.5     | 200.6                  |
| Jackson .....                      | 21.1          | 21.2      | 21.1                   | 13.4                                | 13.5      | 13.4                   | 43.6                       | 44.8      | 45.2                   |
| <b>Missouri</b> .....              | 433.7         | 431.9     | 427.3                  | 148.7                               | 148.6     | 148.2                  | 562.8                      | 561.5     | 565.0                  |
| Kansas City .....                  | 111.0         | 110.8     | 110.6                  | 62.3                                | 62.9      | 62.4                   | 202.2                      | 201.1     | 203.7                  |
| St. Louis .....                    | 226.9         | 226.6     | 222.3                  | 74.8                                | 75.0      | 74.8                   | 281.7                      | 283.2     | 284.8                  |
| Springfield .....                  | 21.8          | 20.9      | 21.1                   | 7.1                                 | 7.3       | 7.4                    | 32.3                       | 32.6      | 32.9                   |
| <b>Montana</b> .....               | 21.4          | 22.4      | 22.0                   | 19.6                                | 19.5      | 19.5                   | 73.9                       | 74.8      | 74.9                   |
| <b>Nebraska</b> .....              | 97.1          | 100.6     | 100.3                  | 46.9                                | 48.6      | 48.7                   | 181.7                      | 184.4     | 186.5                  |
| Lincoln .....                      | 15.1          | 15.3      | 15.4                   | 6.5                                 | 7.0       | 6.9                    | 27.7                       | 27.8      | 28.1                   |
| Omaha .....                        | 35.5          | 36.1      | 36.1                   | 25.5                                | 26.6      | 26.9                   | 79.6                       | 79.6      | 80.9                   |
| <b>Nevada</b> .....                | 25.6          | 26.2      | 26.3                   | 29.9                                | 31.3      | 31.4                   | 113.6                      | 119.3     | 120.9                  |
| Las Vegas .....                    | 9.9           | 10.6      | 10.6                   | 17.0                                | 17.9      | 18.1                   | 66.5                       | 70.1      | 71.2                   |
| Reno .....                         | 8.7           | 8.8       | 8.9                    | 9.5                                 | 9.8       | 9.8                    | 33.2                       | 34.3      | 34.8                   |
| <b>New Hampshire</b> .....         | 119.6         | 116.3     | 116.1                  | 18.0                                | 16.5      | 16.3                   | 139.9                      | 140.2     | 141.6                  |
| Manchester .....                   | 11.9          | 11.1      | 11.2                   | 5.4                                 | 4.5       | 4.5                    | 24.8                       | 23.5      | 24.2                   |
| Nashua .....                       | 36.4          | 35.4      | 35.0                   | 2.8                                 | 2.6       | 2.6                    | 22.8                       | 21.5      | 21.8                   |
| Portsmouth-Dover-Rochester .....   | 20.9          | 20.2      | 20.4                   | 3.1                                 | 3.0       | 3.0                    | 30.1                       | 30.6      | 30.3                   |
| <b>New Jersey</b> .....            | 667.3         | 661.0     | 661.2                  | 246.5                               | 246.1     | 245.4                  | 889.9                      | 886.3     | 894.0                  |
| Atlantic City .....                | 8.3           | 8.6       | 8.5                    | 6.8                                 | 6.5       | 6.5                    | 34.7                       | 38.1      | 36.4                   |
| Bergen-Passaic .....               | 158.2         | 155.8     | 154.7                  | 28.4                                | 28.3      | 28.3                   | 197.3                      | 196.9     | 199.6                  |
| Camden .....                       | 74.4          | 73.9      | 74.2                   | 20.0                                | 20.3      | 20.3                   | 121.3                      | 120.1     | 121.8                  |
| Jersey City .....                  | 46.3          | 46.8      | 46.5                   | 33.9                                | 34.5      | 35.1                   | 63.4                       | 64.1      | 64.1                   |
| Middlesex-Somerset-Hunterdon ..... | 116.3         | 114.9     | 115.2                  | 44.0                                | 45.6      | 45.0                   | 130.6                      | 132.9     | 134.1                  |
| Monmouth-Ocean .....               | 29.5          | 29.7      | 29.5                   | 18.4                                | 19.0      | 19.2                   | 89.8                       | 90.0      | 89.7                   |
| Newark .....                       | 175.1         | 168.7     | 171.7                  | 79.6                                | 79.2      | 78.7                   | 200.0                      | 199.7     | 202.1                  |
| Trenton .....                      | 31.7          | 30.6      | 30.4                   | 6.7                                 | 6.7       | 6.8                    | 32.4                       | 32.8      | 33.5                   |
| Vineland-Millville-Bridgeton ..... | 14.9          | 15.6      | 15.2                   | 2.4                                 | 2.3       | 2.3                    | 11.9                       | 12.6      | 12.7                   |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                     | Finance, insurance,<br>and real estate |              |                           | Services     |              |                           | Government   |              |                           |
|------------------------------------|--|--------------|---------------------------|--------------|--------------|---------------------------|--------------|--------------|---------------------------|
|                                    | Nov.<br>1988                           | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>Maryland</b> .....              | 131.1                                  | 133.6        | 133.8                     | 567.5        | 584.3        | 583.6                     | 412.6        | 417.2        | 420.0                     |
| Baltimore MSA .....                | 77.7                                   | 78.6         | 79.1                      | 298.6        | 306.3        | 306.4                     | 210.5        | 212.3        | 214.2                     |
| Baltimore City .....               | 46.0                                   | 45.8         | 46.0                      | 144.9        | 149.3        | 149.5                     | 92.0         | 92.0         | 92.6                      |
| Suburban Maryland-D.C. ....        | 44.3                                   | 46.0         | 46.3                      | 219.3        | 224.2        | 223.7                     | 162.3        | 165.7        | 167.1                     |
| <b>Massachusetts</b> .....         | 226.3                                  | 233.4        | 233.1                     | 914.5        | 937.4        | 937.0                     | 413.4        | 407.7        | 409.6                     |
| Boston .....                       | 156.3                                  | 159.4        | 159.9                     | 596.4        | 604.7        | 605.0                     | 211.1        | 205.0        | 206.4                     |
| Brockton .....                     | 3.3                                    | 3.4          | 3.4                       | 16.1         | 16.3         | 16.5                      | 12.4         | 12.5         | 12.8                      |
| Fall River .....                   | 3.3                                    | 3.6          | 3.6                       | 10.8         | 11.0         | 11.0                      | 6.9          | 6.8          | 7.0                       |
| Fitchburg-Leominster .....         | 1.7                                    | 1.7          | 1.7                       | 8.2          | 8.5          | 8.4                       | 4.8          | 4.6          | 4.7                       |
| Lawrence-Haverhill .....           | 6.7                                    | 7.1          | 7.1                       | 35.7         | 38.3         | 38.2                      | 21.9         | 21.6         | 21.6                      |
| Lowell .....                       | 3.9                                    | 4.0          | 3.9                       | 21.3         | 21.7         | 21.7                      | 13.8         | 13.9         | 14.0                      |
| New Bedford .....                  | 2.6                                    | 2.6          | 2.6                       | 14.2         | 14.8         | 14.9                      | 10.7         | 10.6         | 10.8                      |
| Pittsfield .....                   | 2.0                                    | 2.0          | 2.0                       | 10.8         | 11.5         | 11.3                      | 4.9          | 4.8          | 4.9                       |
| Springfield .....                  | 15.5                                   | 15.3         | 15.3                      | 59.9         | 61.6         | 61.7                      | 38.9         | 38.1         | 38.4                      |
| Worcester .....                    | 14.8                                   | 15.7         | 15.7                      | 54.9         | 57.6         | 57.7                      | 25.3         | 24.6         | 25.0                      |
| <b>Michigan</b> .....              | 185.4                                  | 188.6        | 188.3                     | 866.1        | 895.1        | 889.6                     | 684.9        | 652.5        | 658.2                     |
| Ann Arbor .....                    | 4.7                                    | 4.8          | 4.8                       | 36.0         | 39.6         | 39.6                      | 55.9         | 54.0         | 55.5                      |
| Battle Creek .....                 | 3.5                                    | 3.5          | 3.5                       | 12.3         | 12.8         | 12.9                      | 11.8         | 12.0         | 12.0                      |
| Benton Harbor .....                | 2.5                                    | 2.5          | 2.5                       | 14.8         | 15.0         | 14.9                      | 9.2          | 9.1          | 9.0                       |
| Detroit .....                      | 109.1                                  | 109.5        | 109.3                     | 486.7        | 498.9        | 494.3                     | 268.3        | 254.0        | 255.8                     |
| Flint .....                        | 6.0                                    | 6.1          | 6.1                       | 31.7         | 33.9         | 33.5                      | 25.1         | 25.5         | 26.0                      |
| Grand Rapids .....                 | 15.3                                   | 16.1         | 16.1                      | 70.9         | 73.8         | 74.0                      | 35.5         | 33.7         | 33.9                      |
| Jackson .....                      | 2.0                                    | 2.0          | 2.0                       | 10.1         | 10.4         | 10.5                      | 10.3         | 10.4         | 10.5                      |
| Kalamazoo .....                    | 5.0                                    | 5.1          | 5.1                       | 24.7         | 24.8         | 24.8                      | 19.4         | 19.2         | 19.2                      |
| Lansing-East Lansing .....         | 12.6                                   | 13.1         | 13.0                      | 40.9         | 43.1         | 43.4                      | 71.5         | 70.8         | 71.4                      |
| Muskegon .....                     | 1.4                                    | 1.4          | 1.4                       | 12.2         | 12.5         | 12.3                      | 9.6          | 9.3          | 9.5                       |
| Saginaw-Bay City-Midland .....     | 6.3                                    | 6.5          | 6.5                       | 34.5         | 38.1         | 37.9                      | 22.8         | 20.9         | 20.9                      |
| <b>Minnesota</b> .....             | 119.6                                  | 122.9        | 123.3                     | 500.0        | 529.0        | 528.2                     | 335.4        | 338.9        | 343.4                     |
| Duluth .....                       | 3.1                                    | 3.2          | 3.2                       | 22.1         | 23.0         | 22.8                      | 22.5         | 21.2         | 22.0                      |
| Minneapolis-St. Paul .....         | 93.5                                   | 96.1         | 96.6                      | 338.9        | 358.9        | 358.9                     | 182.9        | 185.2        | 187.5                     |
| Rochester .....                    | 1.5                                    | 1.6          | 1.6                       | 25.9         | 26.7         | 26.6                      | 6.4          | 6.5          | 6.6                       |
| St. Cloud .....                    | 2.2                                    | 2.2          | 2.2                       | 15.8         | 16.9         | 17.1                      | 13.6         | 12.6         | 12.8                      |
| <b>Mississippi</b> .....           | 38.9                                   | 39.2         | 39.3                      | 147.0        | 152.6        | 152.2                     | 210.6        | 204.2        | 204.4                     |
| Jackson .....                      | 14.6                                   | 14.9         | 14.9                      | 41.3         | 43.0         | 42.8                      | 41.5         | 41.7         | 41.9                      |
| <b>Missouri</b> .....              | 135.3                                  | 136.7        | 136.5                     | 529.6        | 544.2        | 540.2                     | 363.2        | 371.3        | 374.3                     |
| Kansas City .....                  | 58.1                                   | 58.6         | 58.6                      | 180.7        | 188.6        | 188.1                     | 116.6        | 119.0        | 120.7                     |
| St. Louis .....                    | 75.2                                   | 75.2         | 75.2                      | 296.2        | 306.2        | 305.9                     | 144.8        | 145.5        | 147.1                     |
| Springfield .....                  | 5.2                                    | 5.4          | 5.3                       | 28.9         | 30.0         | 29.8                      | 14.8         | 15.5         | 15.7                      |
| <b>Montana</b> .....               | 13.2                                   | 13.5         | 13.5                      | 66.5         | 69.4         | 68.9                      | 76.1         | 71.8         | 72.2                      |
| <b>Nebraska</b> .....              | 48.4                                   | 49.1         | 49.4                      | 160.8        | 169.3        | 170.3                     | 142.9        | 140.7        | 142.6                     |
| Lincoln .....                      | 8.5                                    | 8.3          | 8.3                       | 27.4         | 29.8         | 30.2                      | 32.6         | 32.2         | 32.7                      |
| Omaha .....                        | 28.9                                   | 29.9         | 30.0                      | 85.9         | 91.5         | 91.9                      | 47.3         | 46.9         | 47.2                      |
| <b>Nevada</b> .....                | 25.2                                   | 26.8         | 26.7                      | 242.5        | 250.3        | 252.7                     | 69.7         | 73.8         | 73.9                      |
| Las Vegas .....                    | 15.9                                   | 17.1         | 17.1                      | 151.0        | 156.5        | 159.2                     | 35.4         | 37.6         | 37.6                      |
| Reno .....                         | 6.9                                    | 7.1          | 7.1                       | 55.9         | 57.6         | 57.7                      | 17.3         | 18.0         | 18.0                      |
| <b>New Hampshire</b> .....         | 32.0                                   | 32.9         | 32.9                      | 118.0        | 124.1        | 121.9                     | 73.1         | 72.7         | 73.7                      |
| Manchester .....                   | 8.1                                    | 8.4          | 8.5                       | 22.0         | 22.3         | 22.3                      | 9.0          | 9.1          | 9.1                       |
| Nashua .....                       | 3.7                                    | 3.4          | 3.4                       | 19.0         | 19.8         | 19.5                      | 7.2          | 7.4          | 7.4                       |
| Portsmouth-Dover-Rochester .....   | 7.0                                    | 7.2          | 7.2                       | 20.4         | 21.5         | 20.6                      | 26.1         | 25.9         | 26.5                      |
| <b>New Jersey</b> .....            | 237.3                                  | 242.1        | 242.0                     | 910.7        | 931.4        | 928.2                     | 560.7        | 560.9        | 566.4                     |
| Atlantic City .....                | 7.5                                    | 7.6          | 7.7                       | 74.4         | 76.0         | 74.7                      | 25.1         | 25.1         | 25.2                      |
| Bergen-Passaic .....               | 39.5                                   | 41.6         | 41.6                      | 157.0        | 163.8        | 165.3                     | 70.5         | 71.0         | 71.8                      |
| Camden .....                       | 25.0                                   | 26.3         | 26.3                      | 104.6        | 107.7        | 107.1                     | 73.1         | 73.9         | 74.8                      |
| Jersey City .....                  | 13.7                                   | 13.9         | 13.8                      | 44.2         | 44.9         | 45.0                      | 41.8         | 41.8         | 42.4                      |
| Middlesex-Somerset-Hunterdon ..... | 38.2                                   | 38.7         | 38.7                      | 111.5        | 115.6        | 115.4                     | 73.9         | 75.3         | 77.0                      |
| Monmouth-Ocean .....               | 18.8                                   | 19.1         | 19.3                      | 89.3         | 95.3         | 93.9                      | 62.2         | 63.7         | 64.1                      |
| Newark .....                       | 78.8                                   | 80.9         | 80.8                      | 252.4        | 259.5        | 259.3                     | 139.1        | 140.3        | 142.5                     |
| Trenton .....                      | 9.8                                    | 10.1         | 10.1                      | 58.3         | 59.2         | 59.2                      | 56.3         | 54.9         | 55.4                      |
| Vineland-Millville-Bridgeton ..... | 3.5                                    | 3.5          | 3.5                       | 10.6         | 11.0         | 11.1                      | 12.0         | 11.7         | 11.8                      |

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Total     |           |                        | Mining           |                  |                        | Construction |           |                        |
|---|-----------|-----------|------------------------|------------------|------------------|------------------------|--------------|-----------|------------------------|
|   | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>a</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>a</sup> | Nov. 1988    | Oct. 1989 | Nov. 1989 <sup>a</sup> |
| <b>New Mexico</b> .....                   | 553.2     | 563.2     | 564.6                  | 15.4             | 16.1             | 16.2                   | 30.7         | 30.5      | 29.8                   |
| Albuquerque .....                         | 238.9     | 243.0     | 242.8                  | .1               | .1               | .1                     | 15.1         | 15.0      | 14.7                   |
| Las Cruces .....                          | 42.0      | 43.4      | 43.6                   | .1               | .1               | .1                     | 2.1          | 2.3       | 2.2                    |
| Santa Fe .....                            | 55.7      | 57.1      | 57.2                   | .1               | .1               | .1                     | 2.6          | 2.7       | 2.7                    |
| <b>New York</b> .....                     | 8,318.0   | 8,309.3   | 8,337.7                | 6.4              | 6.0              | 6.0                    | 357.7        | 372.0     | 364.8                  |
| Albany-Schenectady-Troy .....             | 422.1     | 427.5     | 429.8                  | .6               | .5               | .6                     | 21.4         | 23.1      | 22.7                   |
| Binghamton .....                          | 126.2     | 124.0     | 124.2                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 6.2          | 6.2       | 6.0                    |
| Buffalo .....                             | 454.4     | 459.5     | 460.6                  | .3               | .2               | .2                     | 18.2         | 19.0      | 18.1                   |
| Elmira .....                              | 41.3      | 41.9      | 41.8                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.8          | 2.0       | 1.9                    |
| Nassau-Suffolk .....                      | 1,165.5   | 1,149.5   | 1,154.0                | .2               | .2               | .2                     | 63.3         | 61.7      | 61.1                   |
| New York PMSA .....                       | 4,184.6   | 4,145.6   | 4,168.4                | 1.0              | .9               | .9                     | 159.0        | 161.3     | 160.1                  |
| New York City .....                       | 3,644.3   | 3,611.7   | 3,631.6                | .5               | .4               | .4                     | 125.1        | 126.8     | 126.5                  |
| Niagara Falls .....                       | 84.4      | 86.0      | 85.6                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.5          | 4.0       | 3.7                    |
| Orange County .....                       | 107.3     | 107.4     | 107.6                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 6.2          | 6.2       | 6.0                    |
| Poughkeepsie .....                        | 122.6     | 123.3     | 123.8                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 7.3          | 8.1       | 8.0                    |
| Rochester .....                           | 493.5     | 495.9     | 495.2                  | .9               | .8               | .8                     | 19.7         | 21.6      | 21.4                   |
| Rockland County .....                     | 101.3     | 100.7     | 101.8                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 4.8          | 4.8       | 5.0                    |
| Syracuse .....                            | 312.0     | 313.1     | 314.0                  | .2               | .2               | .2                     | 15.5         | 17.4      | 17.5                   |
| Utica-Rome .....                          | 127.1     | 128.7     | 128.7                  | .2               | .2               | .2                     | 4.0          | 4.6       | 4.2                    |
| Westchester County .....                  | 420.6     | 414.6     | 416.4                  | .2               | .2               | .2                     | 27.5         | 28.1      | 27.0                   |
| <b>North Carolina</b> .....               | 3,040.2   | 3,073.8   | 3,087.0                | 4.8              | 5.0              | 5.0                    | 169.5        | 163.6     | 162.8                  |
| Asheville .....                           | 81.9      | 83.3      | 83.3                   | .1               | .1               | .1                     | 4.4          | 4.5       | 4.4                    |
| Charlotte-Gastonia-Rock Hill .....        | 603.3     | 612.5     | 615.1                  | .3               | .4               | .4                     | 36.9         | 37.0      | 36.8                   |
| Greensboro-Winston-Salem-High Point ..... | 491.0     | 484.6     | 486.4                  | .3               | .3               | .3                     | 25.0         | 24.2      | 24.1                   |
| Raleigh-Durham .....                      | 403.9     | 410.0     | 410.1                  | .4               | .3               | .3                     | 22.4         | 21.8      | 22.0                   |
| <b>North Dakota</b> .....                 | 259.8     | 266.2     | 265.4                  | 4.1              | 4.0              | 3.9                    | 10.5         | 11.8      | 10.6                   |
| Bismarck .....                            | 37.8      | 39.5      | 39.7                   | .2               | .2               | .2                     | 1.5          | 1.7       | 1.5                    |
| Fargo-Moorhead .....                      | 74.9      | 77.5      | 77.7                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.5          | 4.0       | 3.6                    |
| Grand Forks .....                         | 31.6      | 32.1      | 32.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.5          | 1.5       | 1.4                    |
| <b>Ohio</b> .....                         | 4,834.7   | 4,869.6   | 4,888.3                | 19.7             | 20.2             | 20.1                   | 197.4        | 218.0     | 210.8                  |
| Akron .....                               | 281.7     | 287.3     | 288.1                  | .7               | .8               | .7                     | 10.6         | 11.8      | 11.3                   |
| Canton .....                              | 163.6     | 163.0     | 167.7                  | .9               | 1.0              | 1.0                    | 6.6          | 7.6       | 7.3                    |
| Cincinnati .....                          | 720.5     | 745.6     | 749.7                  | .5               | .5               | .5                     | 33.8         | 37.5      | 36.6                   |
| Cleveland .....                           | 926.2     | 939.1     | 941.5                  | 1.1              | 1.1              | 1.1                    | 29.3         | 31.1      | 30.4                   |
| Columbus .....                            | 700.0     | 714.3     | 718.2                  | 1.0              | 1.0              | 1.0                    | 30.3         | 33.8      | 32.9                   |
| Dayton-Springfield .....                  | 450.3     | 457.4     | 460.1                  | .4               | .5               | .5                     | 19.4         | 21.9      | 21.2                   |
| Toledo .....                              | 294.5     | 299.6     | 301.0                  | .3               | .3               | .3                     | 11.6         | 13.8      | 13.4                   |
| Youngstown-Warren .....                   | 199.8     | 203.6     | 203.4                  | .8               | .7               | .8                     | 8.2          | 9.6       | 9.1                    |
| <b>Oklahoma</b> .....                     | 1,141.1   | 1,150.0   | 1,152.3                | 44.0             | 44.2             | 45.4                   | 33.5         | 35.5      | 35.3                   |
| Enid .....                                | 21.3      | 21.3      | 21.5                   | 1.1              | 1.0              | 1.0                    | .7           | .7        | .7                     |
| Lawton .....                              | 33.5      | 34.7      | 34.6                   | .3               | .3               | .3                     | 1.2          | 1.1       | 1.1                    |
| Oklahoma City .....                       | 411.2     | 410.8     | 412.4                  | 11.1             | 10.3             | 10.3                   | 12.1         | 11.7      | 11.4                   |
| Tulsa .....                               | 300.0     | 306.5     | 307.5                  | 14.3             | 14.9             | 14.5                   | 9.6          | 8.9       | 9.1                    |
| <b>Oregon</b> .....                       | 1,189.1   | 1,225.0   | 1,221.9                | 1.5              | 1.6              | 1.5                    | 39.8         | 46.7      | 44.3                   |
| Eugene-Springfield .....                  | 114.1     | 117.8     | 118.1                  | .2               | .2               | .2                     | 3.6          | 4.5       | 4.2                    |
| Portland .....                            | 595.0     | 611.9     | 614.6                  | .5               | .5               | .5                     | 21.4         | 25.4      | 24.5                   |
| Salem .....                               | 104.5     | 108.1     | 106.2                  | .1               | .1               | .1                     | 3.6          | 4.2       | 3.9                    |
| <b>Pennsylvania</b> .....                 | 5,109.3   | 5,158.2   | 5,168.1                | 29.0             | 28.2             | 28.2                   | 244.0        | 257.4     | 251.3                  |
| Allentown-Bethlehem .....                 | 282.5     | 284.2     | 284.7                  | .6               | .6               | .6                     | 14.8         | 14.3      | 14.1                   |
| Altoona .....                             | 52.0      | 52.8      | 52.9                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 2.4          | 2.4       | 2.3                    |
| Beaver County .....                       | 49.7      | 49.9      | 50.0                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 1.8          | 1.6       | 1.5                    |
| Erie .....                                | 115.9     | 118.0     | 118.1                  | .2               | .2               | .2                     | 3.6          | 4.0       | 3.8                    |
| Harrisburg-Lebanon-Carlisle .....         | 303.2     | 308.7     | 308.7                  | .3               | .3               | .3                     | 13.3         | 14.5      | 14.3                   |
| Johnstown .....                           | 79.7      | 80.4      | 80.4                   | 3.0              | 3.1              | 3.1                    | 2.9          | 3.0       | 2.8                    |
| Lancaster .....                           | 187.3     | 190.8     | 191.1                  | .4               | .4               | .4                     | 11.8         | 12.2      | 12.1                   |
| Philadelphia PMSA .....                   | 2,202.2   | 2,196.4   | 2,201.1                | 1.0              | 1.0              | 1.0                    | 109.1        | 108.9     | 108.7                  |
| Philadelphia City .....                   | 786.1     | 786.7     | 785.2                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 18.5         | 18.2      | 18.1                   |
| Pittsburgh .....                          | 882.0     | 896.6     | 899.7                  | 4.8              | 4.3              | 4.3                    | 40.3         | 42.0      | 40.6                   |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Manufacturing |           |                        | Transportation and public utilities |           |                        | Wholesale and retail trade |           |                        |
|---|---------------|-----------|------------------------|-------------------------------------|-----------|------------------------|----------------------------|-----------|------------------------|
|   | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>New Mexico</b> .....                   | 40.5          | 42.3      | 41.6                   | 29.0                                | 29.0      | 29.1                   | 134.0                      | 135.9     | 137.4                  |
| Albuquerque .....                         | 20.3          | 20.7      | 20.6                   | 12.6                                | 13.1      | 13.1                   | 61.9                       | 62.1      | 62.6                   |
| Las Cruces .....                          | 3.8           | 4.0       | 3.9                    | 1.4                                 | 1.3       | 1.3                    | 9.1                        | 9.5       | 9.6                    |
| Santa Fe .....                            | 1.7           | 1.7       | 1.7                    | 1.1                                 | 1.1       | 1.1                    | 10.9                       | 11.2      | 11.2                   |
| <b>New York</b> .....                     | 1,216.5       | 1,191.4   | 1,183.5                | 415.8                               | 381.1     | 381.6                  | 1,772.8                    | 1,744.6   | 1,765.7                |
| Albany-Schenectady-Troy .....             | 47.6          | 47.4      | 47.4                   | 16.6                                | 15.4      | 15.5                   | 93.5                       | 93.9      | 95.6                   |
| Binghamton .....                          | 38.7          | 36.2      | 36.0                   | 4.4                                 | 4.1       | 4.1                    | 27.3                       | 27.3      | 27.7                   |
| Buffalo .....                             | 78.2          | 77.3      | 77.0                   | 21.8                                | 20.0      | 20.0                   | 113.2                      | 115.4     | 117.1                  |
| Elmira .....                              | 8.7           | 9.1       | 9.0                    | 1.4                                 | 1.1       | 1.0                    | 10.8                       | 10.8      | 11.0                   |
| Nassau-Suffolk .....                      | 168.2         | 160.7     | 161.0                  | 49.8                                | 44.5      | 44.8                   | 316.4                      | 308.8     | 312.6                  |
| New York PMSA .....                       | 451.5         | 441.2     | 439.9                  | 246.0                               | 221.2     | 222.0                  | 779.1                      | 767.0     | 774.7                  |
| New York City .....                       | 369.3         | 360.8     | 359.1                  | 220.0                               | 198.3     | 199.0                  | 650.3                      | 640.0     | 645.9                  |
| Niagara Falls .....                       | 24.2          | 23.9      | 23.8                   | 3.9                                 | 4.0       | 3.9                    | 19.8                       | 19.9      | 20.2                   |
| Orange County .....                       | 15.4          | 14.9      | 14.9                   | 6.2                                 | 6.1       | 6.1                    | 29.0                       | 28.8      | 29.0                   |
| Poughkeepsie .....                        | 30.3          | 30.4      | 30.5                   | 3.7                                 | 3.5       | 3.4                    | 22.8                       | 22.5      | 22.9                   |
| Rochester .....                           | 138.4         | 136.8     | 135.1                  | 14.8                                | 14.9      | 14.9                   | 104.7                      | 104.8     | 105.7                  |
| Rockland County .....                     | 15.5          | 14.9      | 15.0                   | 4.7                                 | 4.2       | 4.2                    | 23.9                       | 24.8      | 25.0                   |
| Syracuse .....                            | 53.8          | 52.5      | 52.3                   | 18.8                                | 17.9      | 17.9                   | 75.1                       | 74.9      | 75.1                   |
| Utica-Rome .....                          | 25.4          | 24.6      | 24.5                   | 4.3                                 | 3.7       | 3.7                    | 27.4                       | 27.7      | 28.1                   |
| Westchester County .....                  | 64.9          | 63.8      | 64.0                   | 20.6                                | 18.1      | 18.2                   | 100.4                      | 97.8      | 99.3                   |
| <b>North Carolina</b> .....               | 872.0         | 870.6     | 869.3                  | 149.8                               | 153.4     | 153.7                  | 696.6                      | 706.9     | 715.1                  |
| Asheville .....                           | 19.2          | 19.4      | 19.5                   | 3.8                                 | 4.0       | 4.0                    | 19.7                       | 19.9      | 20.1                   |
| Charlotte-Gastonia-Rock Hill .....        | 155.2         | 154.6     | 154.7                  | 49.2                                | 48.4      | 48.4                   | 148.2                      | 151.2     | 153.1                  |
| Greensboro-Winston-Salem-High Point ..... | 153.4         | 148.0     | 148.1                  | 27.1                                | 26.8      | 26.8                   | 112.4                      | 112.2     | 113.5                  |
| Raleigh-Durham .....                      | 60.0          | 63.4      | 63.5                   | 17.5                                | 17.5      | 17.3                   | 86.2                       | 86.1      | 86.8                   |
| <b>North Dakota</b> .....                 | 16.6          | 17.0      | 16.8                   | 17.1                                | 17.3      | 17.4                   | 68.6                       | 69.8      | 70.1                   |
| Bismarck .....                            | 2.1           | 2.2       | 2.2                    | 2.6                                 | 2.7       | 2.7                    | 9.9                        | 10.4      | 10.5                   |
| Fargo-Moorhead .....                      | 5.0           | 5.4       | 5.4                    | 4.7                                 | 4.9       | 4.9                    | 22.0                       | 22.3      | 22.5                   |
| Grand Forks .....                         | 1.7           | 1.6       | 1.6                    | 1.6                                 | 1.8       | 1.8                    | 9.0                        | 9.3       | 9.4                    |
| <b>Ohio</b> .....                         | 1,115.7       | 1,098.7   | 1,107.3                | 214.7                               | 217.9     | 217.6                  | 1,164.5                    | 1,189.5   | 1,203.5                |
| Akron .....                               | 67.0          | 65.9      | 66.0                   | 13.2                                | 13.5      | 13.6                   | 70.2                       | 72.4      | 73.4                   |
| Canton .....                              | 45.4          | 40.8      | 45.4                   | 6.0                                 | 6.2       | 6.2                    | 40.8                       | 42.1      | 42.5                   |
| Cincinnati .....                          | 146.3         | 149.5     | 149.9                  | 39.4                                | 42.0      | 42.0                   | 186.6                      | 193.2     | 195.6                  |
| Cleveland .....                           | 204.5         | 204.3     | 204.5                  | 42.1                                | 42.0      | 42.1                   | 225.7                      | 229.1     | 231.5                  |
| Columbus .....                            | 104.1         | 103.4     | 103.8                  | 30.4                                | 31.5      | 31.7                   | 179.2                      | 184.6     | 187.5                  |
| Dayton-Springfield .....                  | 105.3         | 101.4     | 102.8                  | 17.1                                | 18.1      | 18.2                   | 102.6                      | 104.7     | 105.8                  |
| Toledo .....                              | 62.6          | 60.0      | 60.5                   | 13.2                                | 13.6      | 13.5                   | 72.9                       | 75.4      | 76.6                   |
| Youngstown-Warren .....                   | 51.9          | 49.5      | 49.4                   | 7.7                                 | 8.0       | 8.1                    | 51.2                       | 53.0      | 53.4                   |
| <b>Oklahoma</b> .....                     | 165.2         | 164.0     | 165.2                  | 62.2                                | 63.1      | 62.9                   | 277.4                      | 276.9     | 278.5                  |
| Enid .....                                | 1.5           | 1.5       | 1.4                    | 2.2                                 | 2.1       | 2.2                    | 6.0                        | 6.0       | 6.1                    |
| Lawton .....                              | 3.6           | 3.8       | 3.7                    | 1.3                                 | 1.3       | 1.3                    | 8.5                        | 8.5       | 8.3                    |
| Oklahoma City .....                       | 49.3          | 49.4      | 49.8                   | 19.3                                | 20.1      | 20.2                   | 101.6                      | 102.0     | 102.9                  |
| Tulsa .....                               | 50.3          | 50.1      | 50.5                   | 23.5                                | 24.4      | 24.6                   | 70.5                       | 71.7      | 72.5                   |
| <b>Oregon</b> .....                       | 215.5         | 222.8     | 217.8                  | 62.2                                | 64.5      | 64.6                   | 304.7                      | 315.0     | 319.3                  |
| Eugene-Springfield .....                  | 21.1          | 20.9      | 20.7                   | 4.3                                 | 4.5       | 4.4                    | 29.0                       | 29.5      | 30.2                   |
| Portland .....                            | 97.8          | 100.4     | 99.5                   | 36.3                                | 37.2      | 37.3                   | 157.2                      | 161.8     | 164.9                  |
| Salem .....                               | 16.3          | 17.8      | 15.4                   | 3.0                                 | 3.0       | 3.0                    | 23.5                       | 23.7      | 24.4                   |
| <b>Pennsylvania</b> .....                 | 1,060.1       | 1,046.9   | 1,047.7                | 255.5                               | 254.8     | 254.9                  | 1,173.4                    | 1,161.2   | 1,172.6                |
| Allentown-Bethlehem .....                 | 78.1          | 76.5      | 76.5                   | 14.3                                | 14.0      | 14.0                   | 62.3                       | 62.0      | 62.7                   |
| Altoona .....                             | 10.9          | 10.6      | 10.6                   | 4.6                                 | 4.6       | 4.5                    | 13.9                       | 14.1      | 14.4                   |
| Beaver County .....                       | 9.4           | 9.4       | 9.5                    | 5.0                                 | 4.9       | 4.9                    | 11.7                       | 11.5      | 11.7                   |
| Erie .....                                | 35.6          | 35.8      | 35.7                   | 3.7                                 | 3.5       | 3.5                    | 25.9                       | 26.9      | 27.4                   |
| Harrisburg-Lebanon-Carlisle .....         | 52.1          | 51.4      | 51.7                   | 18.7                                | 18.8      | 18.8                   | 68.8                       | 68.6      | 68.5                   |
| Johnstown .....                           | 13.6          | 12.8      | 13.5                   | 5.3                                 | 5.2       | 5.2                    | 17.5                       | 18.2      | 17.9                   |
| Lancaster .....                           | 60.1          | 58.5      | 58.6                   | 7.3                                 | 7.6       | 7.6                    | 45.2                       | 46.6      | 46.9                   |
| Philadelphia PMSA .....                   | 369.0         | 365.3     | 364.6                  | 101.9                               | 104.0     | 104.9                  | 518.7                      | 508.6     | 516.3                  |
| Philadelphia City .....                   | 93.6          | 91.7      | 91.4                   | 43.7                                | 42.0      | 41.5                   | 156.3                      | 156.1     | 157.8                  |
| Pittsburgh .....                          | 124.7         | 126.4     | 127.0                  | 47.4                                | 47.9      | 48.0                   | 227.7                      | 228.6     | 231.3                  |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Finance, insurance,<br>and real estate |              |                           | Services     |              |                           | Government   |              |                           |
|---|--|--------------|---------------------------|--------------|--------------|---------------------------|--------------|--------------|---------------------------|
|   | Nov.<br>1988                           | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>New Mexico</b> .....                   | 27.1                                   | 27.5         | 27.8                      | 127.9        | 133.6        | 133.2                     | 148.6        | 148.3        | 149.5                     |
| Albuquerque .....                         | 15.0                                   | 15.2         | 15.3                      | 65.9         | 67.7         | 67.5                      | 48.0         | 49.1         | 48.9                      |
| Las Cruces .....                          | 1.7                                    | 1.8          | 1.8                       | 6.6          | 6.9          | 7.1                       | 17.2         | 17.6         | 17.7                      |
| Santa Fe .....                            | 1.9                                    | 2.0          | 1.9                       | 14.5         | 15.1         | 15.0                      | 22.9         | 23.2         | 23.5                      |
| <b>New York</b> .....                     | 797.6                                  | 802.5        | 802.3                     | 2,296.0      | 2,358.4      | 2,363.7                   | 1,455.2      | 1,453.4      | 1,470.1                   |
| Albany-Schenectady-Troy .....             | 24.6                                   | 25.6         | 25.7                      | 105.1        | 107.5        | 107.5                     | 112.6        | 114.2        | 114.8                     |
| Binghamton .....                          | 4.3                                    | 4.4          | 4.4                       | 23.3         | 24.1         | 24.0                      | 22.0         | 21.7         | 21.9                      |
| Buffalo .....                             | 28.3                                   | 29.2         | 29.1                      | 118.0        | 121.3        | 121.3                     | 76.4         | 77.0         | 77.6                      |
| Elmira .....                              | 1.4                                    | 1.4          | 1.4                       | 10.1         | 10.4         | 10.3                      | 7.1          | 7.1          | 7.2                       |
| Nassau-Suffolk .....                      | 79.3                                   | 79.6         | 79.4                      | 300.1        | 307.5        | 306.1                     | 188.3        | 186.5        | 188.7                     |
| New York PMSA .....                       | 575.4                                  | 569.4        | 569.6                     | 1,292.9      | 1,308.2      | 1,317.4                   | 679.8        | 676.4        | 683.8                     |
| New York City .....                       | 540.3                                  | 533.9        | 534.0                     | 1,142.2      | 1,156.4      | 1,165.0                   | 596.7        | 595.2        | 601.7                     |
| Niagara Falls .....                       | 2.0                                    | 2.1          | 2.1                       | 17.8         | 18.6         | 18.4                      | 13.1         | 13.3         | 13.3                      |
| Orange County .....                       | 4.6                                    | 4.6          | 4.7                       | 22.1         | 23.0         | 22.8                      | 23.6         | 23.7         | 23.9                      |
| Poughkeepsie .....                        | 4.9                                    | 5.1          | 5.1                       | 29.0         | 28.9         | 28.9                      | 24.6         | 24.8         | 25.1                      |
| Rochester .....                           | 22.9                                   | 22.8         | 22.7                      | 123.4        | 124.5        | 124.0                     | 68.6         | 69.8         | 70.8                      |
| Rockland County .....                     | 5.3                                    | 5.3          | 5.4                       | 25.6         | 25.7         | 25.8                      | 21.5         | 21.1         | 21.4                      |
| Syracuse .....                            | 20.3                                   | 20.4         | 20.4                      | 75.7         | 78.0         | 78.2                      | 52.7         | 51.8         | 52.3                      |
| Utica-Rome .....                          | 7.3                                    | 7.6          | 7.5                       | 27.9         | 28.9         | 28.8                      | 30.6         | 31.3         | 31.7                      |
| Westchester County .....                  | 29.1                                   | 29.5         | 29.5                      | 120.1        | 121.2        | 121.7                     | 57.7         | 55.9         | 56.5                      |
| <b>North Carolina</b> .....               | 131.5                                  | 133.3        | 133.1                     | 533.4        | 561.8        | 558.5                     | 482.6        | 479.2        | 489.5                     |
| Asheville .....                           | 2.7                                    | 2.6          | 2.6                       | 19.6         | 20.8         | 20.6                      | 12.4         | 12.0         | 12.0                      |
| Charlotte-Gastonia-Rock Hill .....        | 37.1                                   | 37.6         | 37.8                      | 108.8        | 114.2        | 113.9                     | 67.6         | 69.1         | 70.0                      |
| Greensboro-Winston-Salem-High Point ..... | 24.5                                   | 25.1         | 24.9                      | 91.2         | 92.4         | 92.6                      | 57.1         | 55.6         | 56.1                      |
| Raleigh-Durham .....                      | 23.4                                   | 23.5         | 23.6                      | 101.1        | 104.3        | 103.7                     | 92.9         | 93.1         | 92.9                      |
| <b>North Dakota</b> .....                 | 12.2                                   | 12.3         | 12.3                      | 64.4         | 67.0         | 66.8                      | 66.3         | 67.0         | 67.5                      |
| Bismarck .....                            | 1.6                                    | 1.5          | 1.5                       | 11.3         | 12.0         | 12.0                      | 8.6          | 8.8          | 9.1                       |
| Fargo-Moorhead .....                      | 4.4                                    | 4.5          | 4.5                       | 20.7         | 21.5         | 21.7                      | 14.6         | 14.9         | 15.1                      |
| Grand Forks .....                         | 1.1                                    | 1.1          | 1.1                       | 6.8          | 6.9          | 6.9                       | 9.9          | 9.9          | 10.2                      |
| <b>Ohio</b> .....                         | 252.1                                  | 257.3        | 257.2                     | 1,102.1      | 1,155.2      | 1,153.6                   | 768.5        | 712.8        | 718.2                     |
| Akron .....                               | 10.7                                   | 11.0         | 11.0                      | 61.7         | 65.8         | 65.6                      | 47.7         | 46.1         | 46.4                      |
| Canton .....                              | 6.3                                    | 6.4          | 6.4                       | 37.2         | 39.5         | 39.3                      | 20.4         | 19.3         | 19.5                      |
| Cincinnati .....                          | 42.9                                   | 44.1         | 44.0                      | 176.0        | 188.2        | 189.5                     | 95.1         | 90.7         | 91.5                      |
| Cleveland .....                           | 57.6                                   | 59.3         | 59.5                      | 243.0        | 254.5        | 253.8                     | 122.8        | 117.7        | 118.6                     |
| Columbus .....                            | 58.8                                   | 60.4         | 60.6                      | 165.0        | 173.9        | 173.9                     | 131.3        | 125.7        | 126.8                     |
| Dayton-Springfield .....                  | 18.2                                   | 18.6         | 18.6                      | 109.4        | 115.6        | 115.7                     | 77.8         | 76.7         | 77.2                      |
| Toledo .....                              | 12.4                                   | 12.7         | 12.7                      | 74.4         | 79.0         | 78.7                      | 47.0         | 44.8         | 45.4                      |
| Youngstown-Warren .....                   | 8.2                                    | 8.3          | 8.3                       | 45.6         | 49.2         | 48.9                      | 26.2         | 25.2         | 25.4                      |
| <b>Oklahoma</b> .....                     | 58.6                                   | 57.9         | 57.6                      | 251.4        | 258.6        | 258.1                     | 248.8        | 249.8        | 249.3                     |
| Enid .....                                | 1.0                                    | 1.0          | 1.0                       | 5.5          | 5.6          | 5.7                       | 3.3          | 3.4          | 3.4                       |
| Lawton .....                              | 1.5                                    | 1.6          | 1.6                       | 6.0          | 6.2          | 6.2                       | 11.1         | 11.9         | 12.1                      |
| Oklahoma City .....                       | 23.8                                   | 23.4         | 23.4                      | 96.3         | 94.7         | 94.5                      | 97.7         | 99.2         | 99.9                      |
| Tulsa .....                               | 17.4                                   | 17.7         | 17.8                      | 78.1         | 81.3         | 81.4                      | 36.3         | 37.5         | 37.1                      |
| <b>Oregon</b> .....                       | 73.9                                   | 75.4         | 75.4                      | 269.9        | 278.1        | 277.0                     | 221.6        | 220.9        | 222.0                     |
| Eugene-Springfield .....                  | 5.3                                    | 5.6          | 5.6                       | 26.0         | 28.1         | 27.9                      | 24.6         | 24.5         | 24.9                      |
| Portland .....                            | 48.9                                   | 50.5         | 50.5                      | 149.2        | 152.1        | 152.7                     | 83.7         | 84.0         | 84.7                      |
| Salem .....                               | 5.9                                    | 6.1          | 6.1                       | 21.1         | 21.8         | 21.5                      | 31.0         | 31.4         | 31.8                      |
| <b>Pennsylvania</b> .....                 | 292.5                                  | 297.7        | 297.7                     | 1,347.0      | 1,401.4      | 1,398.8                   | 707.8        | 710.6        | 716.9                     |
| Allentown-Bethlehem .....                 | 12.6                                   | 12.4         | 12.5                      | 68.9         | 73.7         | 73.3                      | 30.9         | 30.7         | 31.0                      |
| Altoona .....                             | 1.8                                    | 2.1          | 2.0                       | 10.9         | 11.3         | 11.3                      | 7.5          | 7.7          | 7.8                       |
| Beaver County .....                       | 1.6                                    | 1.6          | 1.6                       | 12.1         | 12.7         | 12.5                      | 8.1          | 8.2          | 8.3                       |
| Erie .....                                | 5.4                                    | 5.4          | 5.4                       | 27.4         | 28.1         | 28.0                      | 14.1         | 14.1         | 14.1                      |
| Harrisburg-Lebanon-Carlisle .....         | 19.5                                   | 21.0         | 21.0                      | 63.7         | 66.9         | 66.3                      | 66.8         | 67.2         | 67.8                      |
| Johnstown .....                           | 4.6                                    | 4.5          | 4.4                       | 20.1         | 20.4         | 20.3                      | 12.7         | 13.2         | 13.3                      |
| Lancaster .....                           | 7.1                                    | 7.4          | 7.5                       | 39.2         | 41.8         | 41.5                      | 16.2         | 16.3         | 16.5                      |
| Philadelphia PMSA .....                   | 162.6                                  | 161.4        | 161.3                     | 637.8        | 645.3        | 640.7                     | 302.1        | 301.9        | 303.6                     |
| Philadelphia City .....                   | 70.6                                   | 69.7         | 69.2                      | 261.9        | 268.0        | 265.9                     | 141.5        | 141.0        | 141.3                     |
| Pittsburgh .....                          | 52.2                                   | 53.3         | 53.5                      | 276.0        | 285.4        | 285.4                     | 108.9        | 108.7        | 109.6                     |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                       | Total     |           |                        | Mining           |                  |                        | Construction |           |                        |
|--------------------------------------|-----------|-----------|------------------------|------------------|------------------|------------------------|--------------|-----------|------------------------|
|                                      | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>a</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>a</sup> | Nov. 1988    | Oct. 1989 | Nov. 1989 <sup>a</sup> |
| <b>Pennsylvania-Continued</b>        |           |           |                        |                  |                  |                        |              |           |                        |
| Reading .....                        | 153.9     | 157.5     | 157.5                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 7.5          | 8.2       | 7.9                    |
| Scranton-Wilkes-Barre .....          | 302.8     | 304.8     | 305.2                  | 0.7              | 0.7              | 0.7                    | 15.3         | 16.5      | 16.2                   |
| Williamsport .....                   | 51.8      | 52.4      | 52.4                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )       | 2.2          | 2.5       | 2.5                    |
| York .....                           | 179.6     | 179.5     | 180.8                  | .5               | .5               | .5                     | 9.9          | 10.0      | 9.9                    |
| <b>Rhode Island</b> .....            | 462.7     | 458.9     | 459.9                  | .2               | .2               | .2                     | 21.9         | 22.5      | 22.4                   |
| Pawtucket-Woonsocket-Attleboro ..... | 133.5     | 133.4     | 133.6                  | .2               | .2               | .2                     | 6.2          | 6.8       | 6.5                    |
| Providence .....                     | 330.4     | 328.4     | 329.1                  | .1               | .1               | .1                     | 16.5         | 16.9      | 16.9                   |
| <b>South Carolina</b> .....          | 1,484.1   | 1,523.8   | 1,530.0                | 1.8              | 1.9              | 1.9                    | 94.0         | 97.3      | 98.5                   |
| Charleston .....                     | 196.0     | 195.3     | 201.5                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 13.2         | 13.5      | 14.3                   |
| Columbia .....                       | 233.2     | 240.2     | 241.7                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 14.3         | 15.4      | 15.9                   |
| Greenville-Spartanburg .....         | 329.1     | 334.7     | 335.7                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 22.7         | 23.9      | 24.0                   |
| <b>South Dakota</b> .....            | 266.4     | 271.4     | 270.1                  | 2.7              | 2.7              | 2.6                    | 9.3          | 11.3      | 10.4                   |
| Rapid City .....                     | 34.6      | 36.8      | 36.3                   | .3               | .3               | .3                     | 1.8          | 2.1       | 1.9                    |
| Sioux Falls .....                    | 68.9      | 70.6      | 70.8                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.8          | 3.1       | 2.9                    |
| <b>Tennessee</b> .....               | 2,099.8   | 2,102.0   | 2,101.9                | 6.6              | 6.3              | 6.4                    | 95.3         | 95.3      | 93.1                   |
| Chattanooga .....                    | 199.4     | 202.1     | 202.3                  | .7               | .8               | .8                     | 8.5          | 9.6       | 9.4                    |
| Johnson City-Kingsport-Bristol ..... | 166.4     | 170.5     | 172.3                  | .4               | .4               | .5                     | 7.2          | 7.8       | 7.6                    |
| Knoxville .....                      | 262.6     | 262.0     | 260.7                  | 1.7              | 1.7              | 1.7                    | 13.6         | 12.6      | 12.1                   |
| Memphis .....                        | 440.0     | 446.9     | 446.6                  | .1               | .1               | .1                     | 18.6         | 19.1      | 18.7                   |
| Nashville .....                      | 487.7     | 486.3     | 485.6                  | .8               | .7               | .7                     | 26.2         | 27.9      | 27.8                   |
| <b>Texas</b> .....                   | 6,742.2   | 6,832.8   | 6,857.6                | 182.7            | 176.4            | 177.3                  | 323.2        | 315.4     | 315.4                  |
| Abilene .....                        | 49.8      | 49.6      | 49.7                   | 2.1              | 1.9              | 1.9                    | 2.1          | 1.7       | 1.7                    |
| Amarillo .....                       | 77.0      | 76.6      | 76.8                   | 1.3              | 1.1              | 1.1                    | 3.7          | 3.8       | 3.8                    |
| Austin .....                         | 356.4     | 357.9     | 359.2                  | .7               | .7               | .7                     | 14.1         | 12.9      | 12.9                   |
| Beaumont-Port Arthur .....           | 134.0     | 135.7     | 136.5                  | 1.9              | 2.0              | 2.0                    | 9.3          | 9.9       | 10.0                   |
| Brazoria .....                       | 59.9      | 61.6      | 61.9                   | 1.9              | 1.9              | 1.9                    | 7.2          | 7.4       | 7.5                    |
| Brownsville-Harlingen .....          | 69.3      | 70.1      | 70.8                   | .1               | .1               | .1                     | 2.1          | 2.2       | 2.2                    |
| Bryan-College Station .....          | 51.5      | 52.3      | 53.0                   | .6               | .6               | .5                     | 2.0          | 1.8       | 1.7                    |
| Corpus Christi .....                 | 125.7     | 127.5     | 127.6                  | 4.3              | 4.0              | 4.0                    | 8.4          | 9.9       | 10.0                   |
| Dallas .....                         | 1,351.9   | 1,365.9   | 1,368.7                | 18.3             | 16.9             | 16.9                   | 52.4         | 51.0      | 50.5                   |
| El Paso .....                        | 196.1     | 199.9     | 200.7                  | .1               | .1               | .1                     | 8.8          | 8.0       | 8.2                    |
| Ft. Worth-Arlington .....            | 529.4     | 541.7     | 543.6                  | 3.7              | 4.0              | 4.0                    | 22.4         | 23.0      | 23.1                   |
| Galveston-Texas City .....           | 71.4      | 71.0      | 71.0                   | .5               | .5               | .5                     | 5.0          | 4.6       | 4.8                    |
| Houston .....                        | 1,455.6   | 1,487.9   | 1,495.0                | 67.2             | 67.0             | 67.1                   | 87.7         | 91.1      | 91.3                   |
| Killeen-Temple .....                 | 72.0      | 72.4      | 72.2                   | .1               | .1               | .1                     | 3.7          | 3.3       | 3.1                    |
| Laredo .....                         | 39.4      | 42.0      | 42.4                   | 1.9              | 1.8              | 1.8                    | 1.0          | 1.3       | 1.3                    |
| Longview-Marshall .....              | 66.1      | 66.8      | 67.1                   | 3.6              | 3.6              | 3.6                    | 3.4          | 3.2       | 3.2                    |
| Lubbock .....                        | 95.0      | 97.2      | 98.0                   | .4               | .4               | .4                     | 3.2          | 3.2       | 3.3                    |
| McAllen-Edinburg-Mission .....       | 99.5      | 95.8      | 97.8                   | .9               | .9               | .9                     | 4.2          | 4.2       | 4.1                    |
| Midland .....                        | 45.0      | 43.9      | 44.3                   | 9.9              | 9.4              | 9.5                    | 1.4          | 1.4       | 1.4                    |
| Odessa .....                         | 43.1      | 42.3      | 42.5                   | 5.8              | 5.7              | 5.8                    | 2.0          | 1.8       | 1.8                    |
| San Angelo .....                     | 36.9      | 36.0      | 36.2                   | .5               | .5               | .5                     | 1.5          | 1.1       | 1.1                    |
| San Antonio .....                    | 505.7     | 509.2     | 510.5                  | 2.2              | 2.1              | 2.1                    | 23.2         | 21.9      | 21.9                   |
| Sherman-Denison .....                | 37.1      | 37.1      | 37.2                   | .1               | .1               | .1                     | 1.6          | 1.7       | 1.7                    |
| Texarkana .....                      | 45.2      | 46.9      | 47.2                   | .1               | .1               | .1                     | 1.6          | 1.6       | 1.6                    |
| Tyler .....                          | 60.8      | 61.1      | 61.3                   | 1.9              | 1.9              | 1.8                    | 2.0          | 2.1       | 2.1                    |
| Victoria .....                       | 27.3      | 28.2      | 29.1                   | 1.4              | 1.3              | 1.4                    | 1.4          | 1.6       | 1.6                    |
| Waco .....                           | 80.3      | 80.2      | 80.3                   | .1               | .1               | .1                     | 3.6          | 3.0       | 3.0                    |
| Wichita Falls .....                  | 51.3      | 50.7      | 50.7                   | 1.9              | 1.8              | 1.8                    | 2.1          | 2.0       | 2.0                    |
| <b>Utah</b> .....                    | 680.9     | 706.7     | 711.0                  | 7.9              | 8.5              | 8.4                    | 27.2         | 29.2      | 28.5                   |
| Provo-Orem .....                     | 85.9      | 89.5      | 90.5                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.8          | 2.8       | 2.8                    |
| Salt Lake City-Ogden .....           | 466.0     | 480.7     | 483.8                  | 2.6              | 2.8              | 2.8                    | 18.3         | 19.6      | 19.1                   |
| <b>Vermont</b> .....                 | 258.1     | 257.4     | 256.3                  | .5               | .6               | .5                     | 19.1         | 20.0      | 19.3                   |
| Barre-Montpelier .....               | 34.7      | 35.7      | 35.7                   | .2               | .2               | .2                     | 2.1          | 1.8       | 1.8                    |
| Burlington .....                     | 78.7      | 78.4      | 77.8                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 4.4          | 4.7       | 4.5                    |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                       | Manufacturing |           |                        | Transportation and public utilities |           |                        | Wholesale and retail trade |           |                        |
|--------------------------------------|---------------|-----------|------------------------|-------------------------------------|-----------|------------------------|----------------------------|-----------|------------------------|
|                                      | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Pennsylvania-Continued</b>        |               |           |                        |                                     |           |                        |                            |           |                        |
| Reading .....                        | 48.7          | 49.6      | 49.3                   | 6.8                                 | 6.9       | 6.8                    | 34.5                       | 34.7      | 35.5                   |
| Scranton-Wilkes-Barre .....          | 71.9          | 70.5      | 70.4                   | 16.2                                | 16.2      | 16.1                   | 68.4                       | 68.8      | 69.5                   |
| Williamsport .....                   | 16.5          | 15.7      | 15.6                   | 1.9                                 | 2.0       | 2.0                    | 11.6                       | 11.7      | 11.9                   |
| York .....                           | 62.2          | 60.9      | 60.8                   | 8.0                                 | 8.0       | 8.0                    | 43.1                       | 42.6      | 43.8                   |
| <b>Rhode Island</b>                  |               |           |                        |                                     |           |                        |                            |           |                        |
| Pawtucket-Woonsocket-Attleboro ..... | 115.3         | 112.3     | 112.1                  | 15.9                                | 14.4      | 14.4                   | 105.7                      | 104.8     | 106.2                  |
| Providence .....                     | 51.2          | 49.6      | 49.4                   | 3.6                                 | 3.4       | 3.4                    | 33.7                       | 33.5      | 34.3                   |
| Providence .....                     | 71.7          | 70.6      | 70.5                   | 12.8                                | 11.5      | 11.6                   | 73.1                       | 72.0      | 72.6                   |
| <b>South Carolina</b>                |               |           |                        |                                     |           |                        |                            |           |                        |
| Charleston .....                     | 384.9         | 380.0     | 380.0                  | 64.0                                | 66.9      | 67.2                   | 333.8                      | 348.4     | 350.7                  |
| Columbia .....                       | 21.8          | 20.9      | 21.3                   | 11.7                                | 11.6      | 11.7                   | 45.7                       | 44.0      | 46.1                   |
| Columbia .....                       | 29.7          | 30.0      | 30.0                   | 10.6                                | 10.6      | 10.6                   | 50.6                       | 51.4      | 51.8                   |
| Greenville-Spartanburg .....         | 103.0         | 102.4     | 102.3                  | 12.5                                | 13.0      | 13.0                   | 76.0                       | 77.8      | 78.6                   |
| <b>South Dakota</b>                  |               |           |                        |                                     |           |                        |                            |           |                        |
| Rapid City .....                     | 30.9          | 29.9      | 29.9                   | 13.9                                | 13.9      | 14.0                   | 69.4                       | 70.3      | 70.7                   |
| Rapid City .....                     | 3.2           | 3.2       | 3.3                    | 1.8                                 | 2.1       | 2.0                    | 10.1                       | 11.0      | 10.9                   |
| Sioux Falls .....                    | 8.1           | 8.1       | 8.3                    | 5.4                                 | 5.4       | 5.4                    | 18.7                       | 19.2      | 19.5                   |
| <b>Tennessee</b>                     |               |           |                        |                                     |           |                        |                            |           |                        |
| Chattanooga .....                    | 509.7         | 511.7     | 511.8                  | 110.9                               | 111.4     | 111.5                  | 496.5                      | 493.4     | 496.0                  |
| Chattanooga .....                    | 47.8          | 47.0      | 47.6                   | 9.3                                 | 8.8       | 8.8                    | 46.1                       | 45.6      | 46.0                   |
| Johnson City-Kingsport-Bristol ..... | 53.7          | 56.0      | 55.9                   | 6.3                                 | 6.4       | 6.3                    | 38.3                       | 36.7      | 38.4                   |
| Knoxville .....                      | 53.9          | 52.2      | 52.1                   | 10.2                                | 10.1      | 10.0                   | 66.2                       | 67.2      | 66.6                   |
| Memphis .....                        | 55.3          | 54.8      | 54.6                   | 41.5                                | 42.1      | 42.1                   | 119.2                      | 120.8     | 121.4                  |
| Nashville .....                      | 90.6          | 90.8      | 90.7                   | 24.2                                | 23.9      | 23.9                   | 119.8                      | 117.5     | 117.0                  |
| <b>Texas</b>                         |               |           |                        |                                     |           |                        |                            |           |                        |
| Abilene .....                        | 967.7         | 970.4     | 969.9                  | 395.4                               | 405.7     | 405.8                  | 1,672.4                    | 1,663.7   | 1,680.5                |
| Abilene .....                        | 4.9           | 5.1       | 5.1                    | 2.4                                 | 2.5       | 2.5                    | 13.8                       | 13.6      | 13.7                   |
| Amarillo .....                       | 9.1           | 8.7       | 8.6                    | 5.5                                 | 5.6       | 5.7                    | 22.9                       | 22.5      | 22.8                   |
| Austin .....                         | 41.5          | 42.4      | 42.2                   | 10.5                                | 10.5      | 10.6                   | 77.1                       | 76.7      | 77.3                   |
| Beaumont-Port Arthur .....           | 25.2          | 25.5      | 25.6                   | 9.4                                 | 9.4       | 9.5                    | 32.8                       | 32.5      | 32.9                   |
| Brazoria .....                       | 15.6          | 16.0      | 16.0                   | 2.6                                 | 2.9       | 2.9                    | 11.2                       | 11.3      | 11.4                   |
| Brownsville-Harlingen .....          | 10.0          | 10.1      | 10.2                   | 3.1                                 | 3.1       | 3.1                    | 18.1                       | 18.0      | 18.5                   |
| Bryan-College Station .....          | 3.4           | 3.7       | 3.6                    | 1.5                                 | 1.5       | 1.6                    | 11.0                       | 10.7      | 11.2                   |
| Corpus Christi .....                 | 11.3          | 11.4      | 11.4                   | 6.5                                 | 6.4       | 6.2                    | 31.5                       | 31.8      | 31.9                   |
| Dallas .....                         | 223.1         | 220.2     | 220.8                  | 92.3                                | 97.1      | 97.5                   | 351.0                      | 353.2     | 357.1                  |
| El Paso .....                        | 40.6          | 41.4      | 40.6                   | 10.7                                | 10.9      | 10.8                   | 46.7                       | 49.5      | 50.3                   |
| Ft. Worth-Arlington .....            | 121.3         | 121.0     | 120.8                  | 30.4                                | 32.7      | 32.6                   | 137.5                      | 139.2     | 140.2                  |
| Galveston-Texas City .....           | 8.3           | 8.4       | 8.6                    | 4.6                                 | 4.8       | 4.8                    | 14.0                       | 13.9      | 13.8                   |
| Houston .....                        | 155.8         | 158.5     | 158.3                  | 101.5                               | 100.6     | 100.9                  | 362.0                      | 365.8     | 370.2                  |
| Killeen-Temple .....                 | 8.4           | 8.5       | 8.5                    | 2.7                                 | 2.7       | 2.6                    | 16.5                       | 16.6      | 16.7                   |
| Laredo .....                         | 1.9           | 2.1       | 2.0                    | 5.0                                 | 5.8       | 5.9                    | 11.6                       | 13.2      | 13.4                   |
| Longview-Marshall .....              | 15.6          | 15.3      | 15.5                   | 3.0                                 | 3.2       | 3.2                    | 17.2                       | 17.2      | 17.4                   |
| Lubbock .....                        | 7.5           | 7.6       | 7.5                    | 4.8                                 | 4.9       | 5.1                    | 28.3                       | 28.9      | 29.2                   |
| McAllen-Edinburg-Mission .....       | 14.0          | 13.7      | 14.0                   | 3.2                                 | 3.1       | 3.1                    | 31.7                       | 29.0      | 30.1                   |
| Midland .....                        | 2.7           | 2.5       | 2.5                    | 2.3                                 | 2.2       | 2.2                    | 10.2                       | 10.0      | 10.2                   |
| Odessa .....                         | 4.0           | 3.9       | 3.9                    | 2.1                                 | 2.1       | 2.1                    | 12.8                       | 12.6      | 12.7                   |
| San Angelo .....                     | 5.4           | 5.4       | 5.3                    | 3.1                                 | 2.7       | 2.7                    | 9.3                        | 9.1       | 9.1                    |
| San Antonio .....                    | 47.9          | 47.6      | 47.8                   | 19.0                                | 18.9      | 19.0                   | 129.2                      | 126.1     | 127.1                  |
| Sherman-Denison .....                | 10.9          | 11.0      | 10.9                   | 1.9                                 | 1.6       | 1.6                    | 7.9                        | 7.9       | 8.1                    |
| Texarkana .....                      | 7.5           | 7.6       | 7.6                    | 1.9                                 | 2.0       | 2.0                    | 10.6                       | 10.8      | 10.9                   |
| Tyler .....                          | 10.7          | 10.9      | 10.9                   | 2.5                                 | 2.5       | 2.6                    | 16.3                       | 16.2      | 16.2                   |
| Victoria .....                       | 3.0           | 3.1       | 3.1                    | 1.3                                 | 1.3       | 1.3                    | 7.7                        | 7.6       | 7.9                    |
| Waco .....                           | 14.9          | 15.2      | 15.2                   | 3.4                                 | 3.4       | 3.4                    | 18.8                       | 18.7      | 19.0                   |
| Wichita Falls .....                  | 8.3           | 8.0       | 8.0                    | 2.6                                 | 2.5       | 2.5                    | 12.2                       | 12.2      | 12.3                   |
| <b>Utah</b>                          |               |           |                        |                                     |           |                        |                            |           |                        |
| Provo-Orem .....                     | 102.4         | 104.8     | 105.1                  | 41.1                                | 41.8      | 42.1                   | 162.2                      | 169.4     | 172.6                  |
| Provo-Orem .....                     | 14.2          | 14.4      | 14.5                   | 2.6                                 | 2.8       | 2.9                    | 18.1                       | 19.6      | 20.2                   |
| Salt Lake City-Ogden .....           | 66.0          | 67.7      | 67.9                   | 31.8                                | 32.1      | 32.4                   | 116.8                      | 120.0     | 122.6                  |
| <b>Vermont</b>                       |               |           |                        |                                     |           |                        |                            |           |                        |
| Barre-Montpelier .....               | 49.9          | 48.7      | 47.9                   | 10.4                                | 9.4       | 9.4                    | 61.3                       | 60.9      | 61.1                   |
| Barre-Montpelier .....               | 4.9           | 5.3       | 5.3                    | .9                                  | .9        | .9                     | 7.7                        | 7.8       | 8.0                    |
| Burlington .....                     | 16.6          | 15.8      | 15.7                   | 3.3                                 | 3.0       | 3.0                    | 19.3                       | 19.1      | 19.3                   |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                       | Finance, insurance,<br>and real estate |              |                           | Services     |              |                           | Government   |              |                           |
|--------------------------------------|--|--------------|---------------------------|--------------|--------------|---------------------------|--------------|--------------|---------------------------|
|                                      | Nov.<br>1988                           | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>Pennsylvania-Continued</b>        |  |              |                           |              |              |                           |              |              |                           |
| Reading .....                        | 8.3                                    | 8.6          | 8.5                       | 30.8         | 32.2         | 31.9                      | 17.3         | 17.3         | 17.6                      |
| Scranton-Wilkes-Barre .....          | 13.4                                   | 13.9         | 13.9                      | 74.0         | 75.5         | 75.3                      | 42.9         | 42.7         | 43.1                      |
| Williamsport .....                   | 2.4                                    | 2.5          | 2.4                       | 10.2         | 10.9         | 10.8                      | 7.0          | 7.1          | 7.2                       |
| York .....                           | 4.8                                    | 4.9          | 4.8                       | 32.2         | 34.0         | 34.0                      | 18.9         | 18.6         | 19.0                      |
| <b>Rhode Island</b>                  |  |              |                           |              |              |                           |              |              |                           |
| Pawtucket-Woonsocket-Attleboro ..... | 26.5                                   | 26.6         | 26.6                      | 117.1        | 118.6        | 118.0                     | 60.1         | 59.5         | 60.0                      |
| Providence .....                     | 3.9                                    | 4.1          | 4.1                       | 24.5         | 25.4         | 25.2                      | 10.2         | 10.4         | 10.5                      |
|                                      | 22.5                                   | 23.9         | 23.9                      | 89.2         | 89.3         | 88.9                      | 44.5         | 44.1         | 44.6                      |
| <b>South Carolina</b>                |  |              |                           |              |              |                           |              |              |                           |
| Charleston .....                     | 65.1                                   | 67.7         | 67.3                      | 259.9        | 280.4        | 279.8                     | 280.6        | 281.2        | 284.6                     |
| Columbia .....                       | 8.7                                    | 8.3          | 8.4                       | 41.8         | 42.2         | 43.8                      | 53.0         | 54.8         | 55.9                      |
| Greenville-Spartanburg .....         | 18.0                                   | 18.3         | 18.4                      | 45.7         | 49.4         | 49.5                      | 64.0         | 64.7         | 65.1                      |
|                                      | 12.0                                   | 12.1         | 12.1                      | 58.0         | 60.1         | 59.8                      | 44.6         | 45.1         | 45.6                      |
| <b>South Dakota</b>                  |  |              |                           |              |              |                           |              |              |                           |
| Rapid City .....                     | 14.6                                   | 15.5         | 15.5                      | 65.2         | 66.9         | 65.8                      | 60.5         | 61.0         | 61.2                      |
| Sioux Falls .....                    | 1.6                                    | 1.5          | 1.5                       | 8.5          | 9.0          | 8.7                       | 7.5          | 7.6          | 7.7                       |
|                                      | 6.5                                    | 7.0          | 7.1                       | 19.8         | 20.1         | 20.0                      | 7.6          | 7.5          | 7.5                       |
| <b>Tennessee</b>                     |  |              |                           |              |              |                           |              |              |                           |
| Chattanooga .....                    | 104.7                                  | 105.7        | 105.6                     | 434.0        | 446.5        | 445.6                     | 342.1        | 331.6        | 331.8                     |
| Johnson City-Kingsport-Bristol ..... | 12.6                                   | 13.0         | 13.0                      | 39.2         | 41.7         | 41.4                      | 35.2         | 35.6         | 35.4                      |
| Knoxville .....                      | 5.4                                    | 5.4          | 5.3                       | 30.6         | 32.4         | 32.7                      | 24.5         | 25.4         | 25.6                      |
| Memphis .....                        | 9.9                                    | 9.7          | 9.8                       | 57.6         | 58.8         | 58.6                      | 49.6         | 49.7         | 49.7                      |
| Nashville .....                      | 25.2                                   | 25.8         | 25.8                      | 108.2        | 110.5        | 110.0                     | 71.9         | 73.7         | 73.8                      |
|                                      | 34.4                                   | 33.9         | 33.7                      | 121.7        | 121.7        | 121.5                     | 70.0         | 69.9         | 70.2                      |
| <b>Texas</b>                         |  |              |                           |              |              |                           |              |              |                           |
| Abilene .....                        | 439.2                                  | 440.9        | 441.7                     | 1,549.8      | 1,617.7      | 1,621.1                   | 1,211.8      | 1,242.6      | 1,245.9                   |
| Amarillo .....                       | 2.4                                    | 2.4          | 2.4                       | 13.1         | 13.4         | 13.4                      | 9.0          | 9.0          | 9.0                       |
| Austin .....                         | 4.3                                    | 4.0          | 4.0                       | 16.6         | 17.2         | 17.1                      | 13.6         | 13.7         | 13.7                      |
| Beaumont-Port Arthur .....           | 24.3                                   | 23.8         | 23.8                      | 84.6         | 86.7         | 86.6                      | 103.6        | 104.2        | 105.1                     |
| Brazoria .....                       | 5.2                                    | 5.2          | 5.2                       | 29.6         | 30.5         | 30.5                      | 20.6         | 20.7         | 20.8                      |
| Brownsville-Harlingen .....          | 2.0                                    | 1.9          | 1.8                       | 8.3          | 8.7          | 8.8                       | 11.1         | 11.5         | 11.6                      |
| Bryan-College Station .....          | 3.6                                    | 3.6          | 3.6                       | 15.5         | 16.2         | 16.2                      | 16.9         | 16.9         | 17.0                      |
| Corpus Christi .....                 | 1.6                                    | 1.6          | 1.6                       | 9.1          | 9.0          | 9.3                       | 22.3         | 23.4         | 23.5                      |
| Dallas .....                         | 7.0                                    | 6.9          | 6.9                       | 28.7         | 29.3         | 29.3                      | 28.0         | 27.8         | 27.9                      |
| El Paso .....                        | 128.1                                  | 125.9        | 125.5                     | 335.0        | 345.6        | 344.6                     | 151.7        | 156.0        | 155.8                     |
| Ft. Worth-Arlington .....            | 8.4                                    | 8.3          | 8.3                       | 39.3         | 38.7         | 39.1                      | 41.5         | 43.1         | 43.4                      |
| Galveston-Texas City .....           | 26.5                                   | 27.1         | 27.2                      | 118.2        | 123.4        | 123.8                     | 69.4         | 71.3         | 71.9                      |
| Houston .....                        | 4.2                                    | 4.0          | 4.0                       | 13.9         | 14.5         | 14.3                      | 20.9         | 20.3         | 20.2                      |
| Killeen-Temple .....                 | 101.2                                  | 99.5         | 99.4                      | 385.9        | 405.5        | 406.3                     | 194.3        | 199.9        | 201.5                     |
| Laredo .....                         | 3.1                                    | 3.1          | 3.1                       | 16.2         | 16.6         | 16.5                      | 21.3         | 21.5         | 21.6                      |
| Longview-Marshall .....              | 1.6                                    | 1.6          | 1.6                       | 6.4          | 6.6          | 6.7                       | 10.0         | 9.6          | 9.7                       |
| Lubbock .....                        | 2.6                                    | 2.7          | 2.6                       | 12.2         | 13.0         | 13.0                      | 8.5          | 8.6          | 8.6                       |
| McAllen-Edinburg-Mission .....       | 5.5                                    | 5.6          | 5.6                       | 23.1         | 23.7         | 23.9                      | 22.2         | 22.9         | 23.0                      |
| Midland .....                        | 3.7                                    | 3.7          | 3.8                       | 16.2         | 16.5         | 16.7                      | 25.6         | 24.7         | 25.1                      |
| Odessa .....                         | 2.3                                    | 2.2          | 2.2                       | 9.6          | 9.4          | 9.4                       | 6.6          | 6.8          | 6.9                       |
| San Angelo .....                     | 1.7                                    | 1.6          | 1.6                       | 7.2          | 7.1          | 7.2                       | 7.5          | 7.5          | 7.4                       |
| San Antonio .....                    | 1.8                                    | 1.8          | 1.8                       | 8.1          | 8.0          | 8.2                       | 7.2          | 7.4          | 7.5                       |
| Sherman-Denison .....                | 39.6                                   | 40.7         | 40.5                      | 126.0        | 130.0        | 129.4                     | 118.6        | 121.9        | 122.7                     |
| Texarkana .....                      | 1.8                                    | 1.8          | 1.8                       | 8.5          | 8.7          | 8.7                       | 4.4          | 4.3          | 4.3                       |
| Tyler .....                          | 1.8                                    | 1.9          | 1.9                       | 9.5          | 9.8          | 9.9                       | 12.2         | 13.1         | 13.2                      |
| Victoria .....                       | 3.4                                    | 3.3          | 3.4                       | 14.5         | 14.8         | 14.7                      | 9.5          | 9.4          | 9.6                       |
| Waco .....                           | 1.5                                    | 1.5          | 1.5                       | 6.1          | 6.0          | 6.0                       | 4.9          | 5.8          | 6.3                       |
| Wichita Falls .....                  | 4.9                                    | 4.8          | 4.8                       | 21.7         | 22.2         | 22.0                      | 12.9         | 12.8         | 12.8                      |
|                                      | 2.3                                    | 2.3          | 2.3                       | 11.9         | 12.0         | 12.1                      | 10.0         | 9.9          | 9.7                       |
| <b>Utah</b>                          |  |              |                           |              |              |                           |              |              |                           |
| Provo-Orem .....                     | 32.9                                   | 33.1         | 33.1                      | 161.3        | 171.2        | 171.3                     | 145.9        | 148.7        | 149.9                     |
| Salt Lake City-Ogden .....           | 2.3                                    | 2.1          | 2.1                       | 32.4         | 34.1         | 34.1                      | 13.5         | 13.7         | 13.9                      |
|                                      | 26.9                                   | 27.0         | 26.8                      | 108.2        | 114.9        | 114.9                     | 95.4         | 96.6         | 97.3                      |
| <b>Vermont</b>                       |  |              |                           |              |              |                           |              |              |                           |
| Barre-Montpelier .....               | 12.7                                   | 13.0         | 13.1                      | 60.9         | 62.2         | 61.9                      | 43.3         | 42.6         | 43.1                      |
| Burlington .....                     | 3.0                                    | 3.1          | 3.1                       | 7.6          | 8.3          | 8.2                       | 8.3          | 8.3          | 8.2                       |
|                                      | 3.6                                    | 3.6          | 3.6                       | 18.9         | 19.6         | 19.5                      | 12.6         | 12.5         | 12.1                      |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Total     |           |                        | Mining           |                  |                        | Construction     |                  |                        |
|---|-----------|-----------|------------------------|------------------|------------------|------------------------|------------------|------------------|------------------------|
|   | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>P</sup> | Nov. 1988        | Oct. 1989        | Nov. 1989 <sup>P</sup> |
| <b>Virginia</b> .....                     | 2,849.4   | 2,938.3   | 2,954.2                | 15.8             | 14.7             | 14.8                   | 203.3            | 214.3            | 211.1                  |
| Bristol .....                             | 32.9      | 32.6      | 33.0                   | .1               | .1               | .1                     | .9               | .9               | .9                     |
| Charlottesville .....                     | 69.6      | 67.3      | 68.2                   | .1               | .1               | .1                     | 4.1              | 4.1              | 4.1                    |
| Danville .....                            | 42.6      | 44.0      | 44.0                   | .1               | .1               | .1                     | 2.2              | 2.7              | 2.7                    |
| Lynchburg .....                           | 73.0      | 74.9      | 75.4                   | .1               | .1               | .1                     | 3.7              | 3.7              | 3.6                    |
| Norfolk-Virginia Beach-Newport News ..... | 570.6     | 574.9     | 577.2                  | .1               | .2               | .2                     | 38.7             | 39.8             | 39.5                   |
| Northern Virginia .....                   | 763.0     | 803.9     | 805.8                  | .6               | .6               | .6                     | 63.6             | 69.5             | 66.9                   |
| Richmond-Petersburg .....                 | 460.5     | 473.7     | 475.4                  | 1.0              | 1.3              | 1.3                    | 30.7             | 33.2             | 32.3                   |
| Roanoke .....                             | 124.4     | 124.1     | 125.7                  | .1               | .1               | .1                     | 8.1              | 8.2              | 8.3                    |
| <b>Washington</b> .....                   | 1,986.2   | 2,087.3   | 2,091.1                | 3.5              | 3.5              | 3.4                    | 99.8             | 114.7            | 110.6                  |
| Seattle .....                             | 1,014.8   | 1,069.8   | 1,078.3                | .6               | .7               | .7                     | 53.0             | 56.2             | 55.8                   |
| <b>West Virginia</b> .....                | 628.8     | 624.9     | 626.1                  | 34.8             | 34.1             | 34.5                   | 26.4             | 28.9             | 27.9                   |
| Charleston .....                          | 110.0     | 110.1     | 111.2                  | 1.9              | 1.9              | 1.9                    | 4.7              | 4.6              | 4.4                    |
| Huntington-Ashland .....                  | 107.2     | 110.3     | 110.4                  | 1.4              | 1.5              | 1.5                    | 3.8              | 5.5              | 4.5                    |
| Parkersburg-Marietta .....                | 62.2      | 62.3      | 62.9                   | .7               | .6               | .6                     | 3.2              | 3.3              | 3.2                    |
| Wheeling .....                            | 61.3      | 60.4      | 61.1                   | 2.6              | 2.7              | 2.7                    | 2.2              | 2.1              | 2.1                    |
| <b>Wisconsin</b> .....                    | 2,193.6   | 2,233.4   | 2,232.0                | 2.3              | 2.8              | 2.7                    | 76.8             | 82.9             | 81.2                   |
| Appleton-Oshkosh-Neenah .....             | 155.0     | 157.2     | 155.8                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 7.1              | 8.4              | 8.2                    |
| Eau Claire .....                          | 58.3      | 59.7      | 60.0                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.9              | 1.6              | 1.5                    |
| Green Bay .....                           | 97.3      | 102.0     | 102.5                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 3.4              | 4.1              | 4.2                    |
| Janesville-Beloit .....                   | 58.7      | 57.5      | 58.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.9              | 1.4              | 1.3                    |
| Kenosha .....                             | 43.4      | 39.9      | 39.7                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 1.6              | 1.5              | 1.6                    |
| La Crosse .....                           | 57.6      | 59.5      | 59.2                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.6              | 2.5              | 2.4                    |
| Madison .....                             | 209.4     | 212.7     | 213.5                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 6.0              | 5.6              | 5.6                    |
| Milwaukee .....                           | 732.2     | 744.3     | 747.9                  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 23.9             | 25.9             | 25.9                   |
| Racine .....                              | 74.2      | 76.3      | 76.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.1              | 2.8              | 2.5                    |
| Wausau .....                              | 49.6      | 51.3      | 51.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.0              | 2.3              | 2.3                    |
| <b>Wyoming</b> .....                      | 188.3     | 193.9     | 190.4                  | 18.9             | 18.6             | 18.1                   | 10.4             | 11.2             | 10.6                   |
| <b>Puerto Rico</b> .....                  | 829.6     | 822.0     | 826.4                  | .8               | .8               | .8                     | 42.2             | 41.4             | 41.7                   |
| Caguas .....                              | 53.3      | 51.5      | 51.9                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       |
| Mayaguez .....                            | 58.9      | 58.0      | 58.4                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       |
| Ponce .....                               | 53.7      | 55.8      | 55.6                   | .1               | .1               | .1                     | 4.1              | 3.5              | 3.6                    |
| San Juan .....                            | 512.4     | 509.0     | 511.5                  | .4               | .4               | .4                     | 30.2             | 30.8             | 31.0                   |
| <b>Virgin Islands</b> .....               | 41.2      | 37.9      | 39.1                   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 2.2              | 3.9              | 4.1                    |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Manufacturing |           |                        | Transportation and public utilities |                  |                        | Wholesale and retail trade |           |                        |
|---|---------------|-----------|------------------------|-------------------------------------|------------------|------------------------|----------------------------|-----------|------------------------|
|   | Nov. 1988     | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988                           | Oct. 1989        | Nov. 1989 <sup>P</sup> | Nov. 1988                  | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Virginia</b> .....                     | 430.3         | 425.8     | 424.8                  | 148.8                               | 150.6            | 151.5                  | 656.6                      | 671.6     | 684.8                  |
| Bristol .....                             | 10.9          | 10.4      | 10.4                   | 1.1                                 | 1.1              | 1.1                    | 8.6                        | 8.8       | 9.1                    |
| Charlottesville .....                     | 8.9           | 8.6       | 8.6                    | 2.3                                 | 2.2              | 2.3                    | 13.2                       | 13.7      | 13.9                   |
| Danville .....                            | 17.0          | 17.0      | 16.9                   | .9                                  | .9               | .9                     | 9.8                        | 10.3      | 10.4                   |
| Lynchburg .....                           | 22.9          | 22.9      | 22.8                   | 2.6                                 | 2.5              | 2.5                    | 16.8                       | 17.1      | 17.6                   |
| Norfolk-Virginia Beach-Newport News ..... | 67.5          | 66.5      | 66.2                   | 26.5                                | 25.7             | 25.4                   | 143.9                      | 141.4     | 143.7                  |
| Northern Virginia .....                   | 34.9          | 33.8      | 33.6                   | 55.2                                | 60.6             | 61.2                   | 167.4                      | 171.5     | 174.4                  |
| Richmond-Petersburg .....                 | 62.9          | 61.2      | 61.0                   | 23.5                                | 23.5             | 24.3                   | 111.8                      | 115.7     | 117.6                  |
| Roanoke .....                             | 20.0          | 19.4      | 19.3                   | 8.3                                 | 8.4              | 8.4                    | 34.6                       | 33.9      | 34.6                   |
| <b>Washington</b> .....                   | 347.7         | 367.7     | 365.9                  | 103.4                               | 108.2            | 108.2                  | 489.4                      | 509.6     | 515.5                  |
| Seattle .....                             | 204.2         | 219.8     | 220.7                  | 62.8                                | 67.0             | 67.4                   | 247.0                      | 255.1     | 259.2                  |
| <b>West Virginia</b> .....                | 88.1          | 86.0      | 86.5                   | 37.1                                | 37.6             | 37.6                   | 144.8                      | 149.2     | 150.0                  |
| Charleston .....                          | 11.1          | 11.0      | 11.1                   | 8.6                                 | 8.9              | 9.0                    | 29.0                       | 29.8      | 30.9                   |
| Huntington-Ashland .....                  | 19.8          | 20.4      | 20.4                   | 8.1                                 | 7.8              | 7.8                    | 27.4                       | 28.2      | 29.4                   |
| Parkersburg-Marietta .....                | 14.0          | 14.3      | 14.4                   | 2.3                                 | 2.3              | 2.2                    | 15.0                       | 14.9      | 15.5                   |
| Wheeling .....                            | 7.2           | 7.4       | 7.5                    | 3.3                                 | 3.4              | 3.3                    | 16.8                       | 16.8      | 17.3                   |
| <b>Wisconsin</b> .....                    | 557.4         | 555.7     | 553.9                  | 100.3                               | 103.3            | 102.2                  | 517.1                      | 530.7     | 532.7                  |
| Appleton-Oshkosh-Neenah .....             | 53.0          | 52.7      | 51.5                   | 5.9                                 | 6.0              | 6.0                    | 33.7                       | 35.0      | 35.1                   |
| Eau Claire .....                          | 11.7          | 11.9      | 12.0                   | 3.1                                 | 3.3              | 3.3                    | 15.7                       | 15.9      | 16.2                   |
| Green Bay .....                           | 25.0          | 26.4      | 26.4                   | 7.6                                 | 7.6              | 7.6                    | 24.6                       | 25.1      | 25.3                   |
| Janesville-Beloit .....                   | 18.8          | 17.4      | 17.3                   | 2.1                                 | 2.2              | 2.3                    | 14.0                       | 14.3      | 14.4                   |
| Kenosha .....                             | 13.9          | 9.7       | 9.4                    | 1.5                                 | 1.5              | 1.5                    | 10.0                       | 10.5      | 10.4                   |
| La Crosse .....                           | 11.2          | 11.0      | 11.0                   | 2.3                                 | 2.4              | 2.2                    | 16.6                       | 17.2      | 17.4                   |
| Madison .....                             | 24.8          | 24.8      | 25.0                   | 7.3                                 | 7.5              | 7.5                    | 49.1                       | 49.2      | 49.8                   |
| Milwaukee .....                           | 176.4         | 176.2     | 177.6                  | 35.7                                | 36.6             | 36.2                   | 166.8                      | 170.8     | 172.5                  |
| Racine .....                              | 26.2          | 26.2      | 26.3                   | 2.3                                 | 2.4              | 2.5                    | 16.7                       | 16.8      | 17.0                   |
| Wausau .....                              | 13.8          | 14.3      | 13.9                   | 2.8                                 | 3.1              | 3.0                    | 12.3                       | 12.7      | 12.9                   |
| <b>Wyoming</b> .....                      | 9.5           | 9.8       | 9.6                    | 13.5                                | 14.6             | 14.6                   | 41.8                       | 42.7      | 42.4                   |
| <b>Puerto Rico</b> .....                  | 157.0         | 159.2     | 160.9                  | 17.7                                | 16.7             | 16.5                   | 148.7                      | 147.4     | 148.9                  |
| Caguas .....                              | 16.9          | 16.2      | 16.3                   | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 11.4                       | 10.8      | 10.9                   |
| Mayaguez .....                            | 20.8          | 20.1      | 20.4                   | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 8.0                        | 7.8       | 7.9                    |
| Ponce .....                               | 9.9           | 10.3      | 10.0                   | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )       | 8.6                        | 9.2       | 9.5                    |
| San Juan .....                            | 66.3          | 67.6      | 68.8                   | 14.3                                | 13.6             | 13.4                   | 102.7                      | 100.5     | 101.5                  |
| <b>Virgin Islands</b> .....               | 2.4           | 2.1       | 2.2                    | 2.5                                 | 2.2              | 2.2                    | 9.3                        | 7.8       | 8.3                    |

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

| State and area                            | Finance, insurance,<br>and real estate |                  |                           | Services         |                  |                           | Government   |              |                           |
|---|--|------------------|---------------------------|------------------|------------------|---------------------------|--------------|--------------|---------------------------|
|   | Nov.<br>1988                           | Oct.<br>1989     | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988     | Oct.<br>1989     | Nov.<br>1989 <sup>P</sup> | Nov.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> |
| <b>Virginia</b> .....                     | 151.8                                  | 156.1            | 156.7                     | 684.0            | 726.3            | 725.6                     | 558.8        | 578.9        | 584.9                     |
| Bristol .....                             | 1.3                                    | 1.3              | 1.3                       | 4.6              | 4.6              | 4.7                       | 5.4          | 5.4          | 5.4                       |
| Charlottesville .....                     | 3.4                                    | 3.3              | 3.4                       | 12.9             | 13.1             | 13.0                      | 24.7         | 22.2         | 22.8                      |
| Danville .....                            | 1.3                                    | 1.3              | 1.3                       | 6.1              | 6.3              | 6.3                       | 5.3          | 5.4          | 5.5                       |
| Lynchburg .....                           | 4.1                                    | 4.5              | 4.5                       | 13.5             | 14.7             | 14.9                      | 9.3          | 9.4          | 9.4                       |
| Norfolk-Virginia Beach-Newport News ..... | 27.0                                   | 26.8             | 27.0                      | 136.5            | 141.2            | 140.9                     | 130.4        | 133.3        | 134.3                     |
| Northern Virginia .....                   | 49.8                                   | 52.2             | 52.5                      | 246.9            | 265.3            | 264.8                     | 144.6        | 150.4        | 151.8                     |
| Richmond-Petersburg .....                 | 39.5                                   | 41.3             | 41.6                      | 95.5             | 99.7             | 98.6                      | 95.6         | 97.8         | 98.7                      |
| Roanoke .....                             | 8.2                                    | 8.5              | 8.6                       | 29.4             | 30.5             | 30.7                      | 15.7         | 15.1         | 15.7                      |
| <b>Washington</b> .....                   | 111.1                                  | 115.9            | 116.1                     | 453.1            | 480.5            | 481.3                     | 378.2        | 387.2        | 390.1                     |
| Seattle .....                             | 70.8                                   | 74.2             | 74.4                      | 236.3            | 254.1            | 255.4                     | 140.1        | 142.7        | 144.7                     |
| <b>West Virginia</b> .....                | 24.2                                   | 24.2             | 24.2                      | 133.2            | 139.7            | 139.1                     | 140.2        | 125.2        | 126.3                     |
| Charleston .....                          | 6.2                                    | 6.3              | 6.3                       | 25.9             | 26.9             | 26.9                      | 22.6         | 20.7         | 20.7                      |
| Huntington-Ashland .....                  | 3.8                                    | 3.8              | 3.7                       | 22.6             | 24.0             | 23.9                      | 20.3         | 19.1         | 19.2                      |
| Parkersburg-Marietta .....                | 2.3                                    | 2.4              | 2.4                       | 14.0             | 14.4             | 14.3                      | 10.7         | 10.1         | 10.3                      |
| Wheeling .....                            | 2.8                                    | 2.8              | 2.8                       | 15.8             | 16.1             | 16.1                      | 10.6         | 9.1          | 9.3                       |
| <b>Wisconsin</b> .....                    | 116.1                                  | 119.9            | 120.4                     | 485.2            | 498.3            | 496.9                     | 338.4        | 339.8        | 342.0                     |
| Appleton-Oshkosh-Neenah .....             | 7.2                                    | 7.4              | 7.3                       | 30.1             | 30.0             | 29.9                      | 17.8         | 17.4         | 17.5                      |
| Eau Claire .....                          | 1.8                                    | 1.8              | 1.8                       | 12.8             | 13.5             | 13.4                      | 11.3         | 11.7         | 11.8                      |
| Green Bay .....                           | 3.2                                    | 3.7              | 3.7                       | 22.0             | 23.7             | 23.7                      | 11.5         | 11.3         | 11.5                      |
| Janesville-Beloit .....                   | 1.6                                    | 1.6              | 1.7                       | 12.7             | 12.9             | 13.3                      | 7.5          | 7.6          | 7.7                       |
| Kenosha .....                             | 1.1                                    | 1.3              | 1.3                       | 8.8              | 9.0              | 9.0                       | 6.5          | 6.4          | 6.5                       |
| La Crosse .....                           | 1.6                                    | 1.7              | 1.6                       | 15.3             | 16.5             | 16.6                      | 8.0          | 8.2          | 8.0                       |
| Madison .....                             | 18.6                                   | 18.9             | 18.8                      | 45.7             | 47.3             | 46.9                      | 57.7         | 59.2         | 59.7                      |
| Milwaukee .....                           | 50.7                                   | 51.9             | 51.9                      | 194.5            | 199.0            | 199.2                     | 83.9         | 83.6         | 84.3                      |
| Racine .....                              | 2.2                                    | 2.4              | 2.4                       | 16.2             | 17.3             | 17.2                      | 8.5          | 8.4          | 8.5                       |
| Wausau .....                              | 3.7                                    | 3.6              | 3.7                       | 8.6              | 8.9              | 8.8                       | 6.4          | 6.4          | 6.5                       |
| <b>Wyoming</b> .....                      | 7.2                                    | 7.2              | 7.1                       | 31.9             | 34.4             | 32.8                      | 55.1         | 55.4         | 55.2                      |
| <b>Puerto Rico</b> .....                  | 35.9                                   | 35.6             | 35.5                      | 124.6            | 126.3            | 127.3                     | 302.6        | 294.6        | 294.8                     |
| Caguas .....                              | ( <sup>1</sup> )                       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 16.4         | 16.2         | 16.2                      |
| Mayaguez .....                            | ( <sup>1</sup> )                       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 19.8         | 19.2         | 19.2                      |
| Ponce .....                               | ( <sup>1</sup> )                       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 10.0             | 10.3             | 10.3                      | 17.5         | 19.0         | 18.9                      |
| San Juan .....                            | 28.5                                   | 28.5             | 28.4                      | 90.4             | 91.6             | 92.2                      | 179.6        | 175.8        | 175.7                     |
| <b>Virgin Islands</b> .....               | 2.0                                    | 1.7              | 1.7                       | 9.5              | 7.2              | 7.4                       | 13.3         | 13.0         | 13.2                      |

<sup>1</sup> Not available.

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

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1988 benchmarks.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1964 to date**

| Year and month                               | Total private <sup>1</sup> |                 |                 | Mining       |                 |                 | Construction |                 |                 |
|--|----------------------------|-----------------|-----------------|--------------|-----------------|-----------------|--------------|-----------------|-----------------|
|  | Weekly hours               | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings |
| <b>Annual averages</b>                       |                            |                 |                 |              |                 |                 |              |                 |                 |
| 1964 .....                                   | 38.7                       | \$2.36          | \$91.33         | 41.9         | \$2.81          | \$117.74        | 37.2         | \$3.55          | \$132.06        |
| 1965 .....                                   | 38.8                       | 2.46            | 95.45           | 42.3         | 2.92            | 123.52          | 37.4         | 3.70            | 138.38          |
| 1966 .....                                   | 38.6                       | 2.56            | 98.82           | 42.7         | 3.05            | 130.24          | 37.6         | 3.89            | 146.26          |
| 1967 .....                                   | 38.0                       | 2.68            | 101.84          | 42.6         | 3.19            | 135.89          | 37.7         | 4.11            | 154.95          |
| 1968 .....                                   | 37.8                       | 2.85            | 107.73          | 42.6         | 3.35            | 142.71          | 37.3         | 4.41            | 164.49          |
| 1969 .....                                   | 37.7                       | 3.04            | 114.61          | 43.0         | 3.60            | 154.80          | 37.9         | 4.79            | 181.54          |
| 1970 .....                                   | 37.1                       | 3.23            | 119.83          | 42.7         | 3.85            | 164.40          | 37.3         | 5.24            | 195.45          |
| 1971 .....                                   | 36.9                       | 3.45            | 127.31          | 42.4         | 4.06            | 172.14          | 37.2         | 5.69            | 211.67          |
| 1972 .....                                   | 37.0                       | 3.70            | 136.90          | 42.6         | 4.44            | 189.14          | 36.5         | 6.06            | 221.19          |
| 1973 .....                                   | 36.9                       | 3.94            | 145.39          | 42.4         | 4.75            | 201.40          | 36.8         | 6.41            | 235.89          |
| 1974 .....                                   | 36.5                       | 4.24            | 154.76          | 41.9         | 5.23            | 219.14          | 36.6         | 6.81            | 249.25          |
| 1975 .....                                   | 36.1                       | 4.53            | 163.53          | 41.9         | 5.95            | 249.31          | 36.4         | 7.31            | 266.08          |
| 1976 .....                                   | 36.1                       | 4.86            | 175.45          | 42.4         | 6.46            | 273.90          | 36.8         | 7.71            | 283.73          |
| 1977 .....                                   | 36.0                       | 5.25            | 189.00          | 43.4         | 6.94            | 301.20          | 36.5         | 8.10            | 295.65          |
| 1978 .....                                   | 35.8                       | 5.69            | 203.70          | 43.4         | 7.67            | 332.88          | 36.8         | 8.66            | 318.69          |
| 1979 .....                                   | 35.7                       | 6.16            | 219.91          | 43.0         | 8.49            | 365.07          | 37.0         | 9.27            | 342.99          |
| 1980 .....                                   | 35.3                       | 6.66            | 235.10          | 43.3         | 9.17            | 397.06          | 37.0         | 9.94            | 367.78          |
| 1981 .....                                   | 35.2                       | 7.25            | 255.20          | 43.7         | 10.04           | 438.75          | 36.9         | 10.82           | 399.26          |
| 1982 .....                                   | 34.8                       | 7.68            | 267.26          | 42.7         | 10.77           | 459.88          | 36.7         | 11.63           | 426.82          |
| 1983 .....                                   | 35.0                       | 8.02            | 280.70          | 42.5         | 11.28           | 479.40          | 37.1         | 11.94           | 442.97          |
| 1984 .....                                   | 35.2                       | 8.32            | 292.86          | 43.3         | 11.63           | 503.58          | 37.8         | 12.13           | 458.51          |
| 1985 .....                                   | 34.9                       | 8.57            | 299.09          | 43.4         | 11.98           | 519.93          | 37.7         | 12.32           | 464.46          |
| 1986 .....                                   | 34.8                       | 8.76            | 304.85          | 42.2         | 12.46           | 525.81          | 37.4         | 12.48           | 466.75          |
| 1987 .....                                   | 34.8                       | 8.98            | 312.50          | 42.4         | 12.54           | 531.70          | 37.8         | 12.71           | 480.44          |
| 1988 .....                                   | 34.7                       | 9.29            | 322.36          | 42.3         | 12.75           | 539.33          | 37.9         | 13.01           | 493.08          |
| 1989 <sup>p</sup> .....                      | 34.7                       | 9.66            | 335.20          | 42.8         | 13.13           | 561.96          | 37.9         | 13.37           | 506.72          |
| <b>Monthly data, not seasonally adjusted</b> |                            |                 |                 |              |                 |                 |              |                 |                 |
| <b>1988:</b>                                 |                            |                 |                 |              |                 |                 |              |                 |                 |
| December .....                               | 34.9                       | \$9.46          | \$330.15        | 42.8         | \$13.03         | \$557.68        | 37.3         | \$13.19         | \$491.99        |
| <b>1989:</b>                                 |                            |                 |                 |              |                 |                 |              |                 |                 |
| January .....                                | 34.5                       | 9.54            | 329.13          | 42.2         | 13.20           | 557.04          | 36.5         | 13.26           | 483.99          |
| February .....                               | 34.3                       | 9.55            | 327.57          | 41.7         | 13.22           | 551.27          | 36.2         | 13.21           | 478.20          |
| March .....                                  | 34.4                       | 9.56            | 328.86          | 42.0         | 13.15           | 552.30          | 37.4         | 13.26           | 495.92          |
| April .....                                  | 34.8                       | 9.62            | 334.78          | 42.8         | 13.19           | 564.53          | 37.9         | 13.30           | 504.07          |
| May .....                                    | 34.5                       | 9.59            | 330.86          | 42.0         | 13.13           | 551.46          | 37.7         | 13.28           | 500.66          |
| June .....                                   | 34.8                       | 9.58            | 333.38          | 42.6         | 13.03           | 555.08          | 38.0         | 13.24           | 503.12          |
| July .....                                   | 35.1                       | 9.63            | 338.01          | 42.5         | 12.95           | 550.38          | 38.9         | 13.33           | 518.54          |
| August .....                                 | 34.9                       | 9.61            | 335.39          | 43.2         | 13.11           | 566.35          | 39.0         | 13.33           | 519.87          |
| September .....                              | 34.7                       | 9.77            | 339.02          | 43.7         | 13.15           | 574.66          | 38.6         | 13.48           | 520.33          |
| October .....                                | 34.8                       | 9.81            | 341.39          | 43.9         | 13.10           | 575.09          | 39.2         | 13.52           | 529.98          |
| November <sup>p</sup> .....                  | 34.5                       | 9.81            | 338.45          | 43.5         | 13.12           | 570.72          | 38.0         | 13.52           | 513.76          |
| December <sup>p</sup> .....                  | 34.6                       | 9.85            | 340.81          | 43.7         | 13.28           | 580.34          | 37.1         | 13.68           | 507.53          |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1964 to date—Continued**

| Year and month                               | Manufacturing |                 |                                     |                 | Transportation and public utilities |                 |                 | Wholesale trade |                 |                 |
|--|---------------|-----------------|-------------------------------------|-----------------|-------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|  | Weekly hours  | Hourly earnings | Hourly earnings, excluding overtime | Weekly earnings | Weekly hours                        | Hourly earnings | Weekly earnings | Weekly hours    | Hourly earnings | Weekly earnings |
| <b>Annual averages</b>                       |               |                 |                                     |                 |                                     |                 |                 |                 |                 |                 |
| 1964 .....                                   | 40.7          | \$2.53          | \$2.43                              | \$102.97        | 41.1                                | \$2.89          | \$118.78        | 40.7            | \$2.52          | \$102.56        |
| 1965 .....                                   | 41.2          | 2.61            | 2.50                                | 107.53          | 41.3                                | 3.03            | 125.14          | 40.8            | 2.61            | 106.49          |
| 1966 .....                                   | 41.4          | 2.71            | 2.59                                | 112.19          | 41.2                                | 3.11            | 128.13          | 40.7            | 2.73            | 111.11          |
| 1967 .....                                   | 40.6          | 2.82            | 2.71                                | 114.49          | 40.5                                | 3.23            | 130.82          | 40.3            | 2.88            | 116.06          |
| 1968 .....                                   | 40.7          | 3.01            | 2.88                                | 122.51          | 40.6                                | 3.42            | 138.85          | 40.1            | 3.05            | 122.31          |
| 1969 .....                                   | 40.6          | 3.19            | 3.05                                | 129.51          | 40.7                                | 3.63            | 147.74          | 40.2            | 3.23            | 129.85          |
| 1970 .....                                   | 39.8          | 3.35            | 3.23                                | 133.33          | 40.5                                | 3.85            | 155.93          | 39.9            | 3.44            | 137.26          |
| 1971 .....                                   | 39.9          | 3.57            | 3.45                                | 142.44          | 40.1                                | 4.21            | 168.82          | 39.5            | 3.65            | 144.18          |
| 1972 .....                                   | 40.5          | 3.82            | 3.66                                | 154.71          | 40.4                                | 4.65            | 187.86          | 39.4            | 3.85            | 151.69          |
| 1973 .....                                   | 40.7          | 4.09            | 3.91                                | 166.46          | 40.5                                | 5.02            | 203.31          | 39.3            | 4.08            | 160.34          |
| 1974 .....                                   | 40.0          | 4.42            | 4.25                                | 176.80          | 40.2                                | 5.41            | 217.48          | 38.8            | 4.39            | 170.33          |
| 1975 .....                                   | 39.5          | 4.83            | 4.67                                | 190.79          | 39.7                                | 5.88            | 233.44          | 38.7            | 4.73            | 183.05          |
| 1976 .....                                   | 40.1          | 5.22            | 5.02                                | 209.32          | 39.8                                | 6.45            | 256.71          | 38.7            | 5.03            | 194.66          |
| 1977 .....                                   | 40.3          | 5.68            | 5.44                                | 228.90          | 39.9                                | 6.99            | 278.90          | 38.8            | 5.39            | 209.13          |
| 1978 .....                                   | 40.4          | 6.17            | 5.91                                | 249.27          | 40.0                                | 7.57            | 302.80          | 38.8            | 5.88            | 228.14          |
| 1979 .....                                   | 40.2          | 6.70            | 6.43                                | 269.34          | 39.9                                | 8.16            | 325.58          | 38.8            | 6.39            | 247.93          |
| 1980 .....                                   | 39.7          | 7.27            | 7.02                                | 288.62          | 39.6                                | 8.87            | 351.25          | 38.5            | 6.96            | 267.96          |
| 1981 .....                                   | 39.8          | 7.99            | 7.72                                | 318.00          | 39.4                                | 9.70            | 382.18          | 38.5            | 7.56            | 291.06          |
| 1982 .....                                   | 38.9          | 8.49            | 8.25                                | 330.26          | 39.0                                | 10.32           | 402.48          | 38.3            | 8.09            | 309.85          |
| 1983 .....                                   | 40.1          | 8.83            | 8.52                                | 354.08          | 39.0                                | 10.79           | 420.81          | 38.5            | 8.55            | 329.18          |
| 1984 .....                                   | 40.7          | 9.19            | 8.82                                | 374.03          | 39.4                                | 11.12           | 438.13          | 38.5            | 8.89            | 342.27          |
| 1985 .....                                   | 40.5          | 9.54            | 9.16                                | 386.37          | 39.5                                | 11.40           | 450.30          | 38.4            | 9.16            | 351.74          |
| 1986 .....                                   | 40.7          | 9.73            | 9.34                                | 396.01          | 39.2                                | 11.70           | 458.64          | 38.3            | 9.35            | 358.11          |
| 1987 .....                                   | 41.0          | 9.91            | 9.48                                | 406.31          | 39.2                                | 12.03           | 471.58          | 38.1            | 9.60            | 365.76          |
| 1988 .....                                   | 41.1          | 10.18           | 9.72                                | 418.40          | 39.3                                | 12.32           | 484.18          | 38.1            | 9.94            | 378.71          |
| 1989 <sup>p</sup> .....                      | 41.0          | 10.47           | 10.01                               | 429.27          | 39.4                                | 12.57           | 495.26          | 38.1            | 10.37           | 395.10          |
| <b>Monthly data, not seasonally adjusted</b> |               |                 |                                     |                 |                                     |                 |                 |                 |                 |                 |
| <b>1988:</b>                                 |               |                 |                                     |                 |                                     |                 |                 |                 |                 |                 |
| December .....                               | 41.7          | \$10.37         | \$9.88                              | \$432.43        | 39.5                                | \$12.42         | \$490.59        | 38.2            | \$10.14         | \$387.35        |
| <b>1989:</b>                                 |               |                 |                                     |                 |                                     |                 |                 |                 |                 |                 |
| January .....                                | 41.0          | 10.37           | 9.91                                | 425.17          | 39.3                                | 12.47           | 490.07          | 37.9            | 10.23           | 387.72          |
| February .....                               | 40.8          | 10.38           | 9.92                                | 423.50          | 39.1                                | 12.50           | 488.75          | 37.8            | 10.23           | 386.69          |
| March .....                                  | 41.0          | 10.41           | 9.94                                | 426.81          | 39.2                                | 12.46           | 488.43          | 37.9            | 10.21           | 386.96          |
| April .....                                  | 41.0          | 10.41           | 9.95                                | 426.81          | 39.8                                | 12.51           | 497.90          | 38.2            | 10.36           | 395.75          |
| May .....                                    | 40.9          | 10.42           | 9.98                                | 426.18          | 39.3                                | 12.49           | 490.86          | 37.9            | 10.28           | 389.61          |
| June .....                                   | 41.1          | 10.44           | 9.98                                | 429.08          | 39.6                                | 12.48           | 494.21          | 38.1            | 10.31           | 392.81          |
| July .....                                   | 40.5          | 10.47           | 10.02                               | 424.04          | 39.8                                | 12.58           | 500.68          | 38.3            | 10.40           | 398.32          |
| August .....                                 | 40.8          | 10.44           | 9.97                                | 425.95          | 39.4                                | 12.56           | 494.86          | 38.1            | 10.35           | 394.34          |
| September .....                              | 41.2          | 10.55           | 10.05                               | 434.66          | 39.4                                | 12.70           | 500.38          | 38.1            | 10.47           | 398.91          |
| October .....                                | 40.9          | 10.52           | 10.04                               | 430.27          | 39.4                                | 12.69           | 499.99          | 38.3            | 10.50           | 402.15          |
| November <sup>p</sup> .....                  | 41.0          | 10.58           | 10.10                               | 433.78          | 39.1                                | 12.71           | 496.96          | 38.1            | 10.55           | 401.96          |
| December <sup>p</sup> .....                  | 41.3          | 10.67           | 10.18                               | 440.67          | 39.3                                | 12.74           | 500.68          | 38.2            | 10.60           | 404.92          |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1964 to date—Continued**

| Year and month                        | Retail trade |                 |                 | Finance, insurance, and real estate |                 |                 | Services     |                 |                 |
|---------------------------------------|--------------|-----------------|-----------------|-------------------------------------|-----------------|-----------------|--------------|-----------------|-----------------|
|                                       | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours                        | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings |
| Annual averages                       |              |                 |                 |                                     |                 |                 |              |                 |                 |
| 1964 .....                            | 37.0         | \$1.75          | \$64.75         | 37.3                                | \$2.30          | \$85.79         | 36.1         | \$1.94          | \$70.03         |
| 1965 .....                            | 36.6         | 1.82            | 66.61           | 37.2                                | 2.39            | 88.91           | 35.9         | 2.05            | 73.60           |
| 1966 .....                            | 35.9         | 1.91            | 68.57           | 37.3                                | 2.47            | 92.13           | 35.5         | 2.17            | 77.04           |
| 1967 .....                            | 35.3         | 2.01            | 70.95           | 37.1                                | 2.58            | 95.72           | 35.1         | 2.29            | 80.38           |
| 1968 .....                            | 34.7         | 2.16            | 74.95           | 37.0                                | 2.75            | 101.75          | 34.7         | 2.42            | 83.97           |
| 1969 .....                            | 34.2         | 2.30            | 78.66           | 37.1                                | 2.93            | 108.70          | 34.7         | 2.61            | 90.57           |
| 1970 .....                            | 33.8         | 2.44            | 82.47           | 36.7                                | 3.07            | 112.67          | 34.4         | 2.81            | 96.66           |
| 1971 .....                            | 33.7         | 2.60            | 87.62           | 36.6                                | 3.22            | 117.85          | 33.9         | 3.04            | 103.06          |
| 1972 .....                            | 33.4         | 2.75            | 91.85           | 36.6                                | 3.36            | 122.98          | 33.9         | 3.27            | 110.85          |
| 1973 .....                            | 33.1         | 2.91            | 96.32           | 36.6                                | 3.53            | 129.20          | 33.8         | 3.47            | 117.29          |
| 1974 .....                            | 32.7         | 3.14            | 102.68          | 36.5                                | 3.77            | 137.61          | 33.6         | 3.75            | 126.00          |
| 1975 .....                            | 32.4         | 3.36            | 108.86          | 36.5                                | 4.06            | 148.19          | 33.5         | 4.02            | 134.67          |
| 1976 .....                            | 32.1         | 3.57            | 114.60          | 36.4                                | 4.27            | 155.43          | 33.3         | 4.31            | 143.52          |
| 1977 .....                            | 31.6         | 3.85            | 121.66          | 36.4                                | 4.54            | 165.26          | 33.0         | 4.65            | 153.45          |
| 1978 .....                            | 31.0         | 4.20            | 130.20          | 36.4                                | 4.89            | 178.00          | 32.8         | 4.99            | 163.67          |
| 1979 .....                            | 30.6         | 4.53            | 138.62          | 36.2                                | 5.27            | 190.77          | 32.7         | 5.36            | 175.27          |
| 1980 .....                            | 30.2         | 4.88            | 147.38          | 36.2                                | 5.79            | 209.60          | 32.6         | 5.85            | 190.71          |
| 1981 .....                            | 30.1         | 5.25            | 158.03          | 36.3                                | 6.31            | 229.05          | 32.6         | 6.41            | 208.97          |
| 1982 .....                            | 29.9         | 5.48            | 163.85          | 36.2                                | 6.78            | 245.44          | 32.6         | 6.92            | 225.59          |
| 1983 .....                            | 29.8         | 5.74            | 171.05          | 36.2                                | 7.29            | 263.90          | 32.7         | 7.31            | 239.04          |
| 1984 .....                            | 29.8         | 5.85            | 174.33          | 36.5                                | 7.63            | 278.50          | 32.6         | 7.59            | 247.43          |
| 1985 .....                            | 29.4         | 5.94            | 174.64          | 36.4                                | 7.94            | 289.02          | 32.5         | 7.90            | 256.75          |
| 1986 .....                            | 29.2         | 6.03            | 176.08          | 36.4                                | 8.36            | 304.30          | 32.5         | 8.18            | 265.85          |
| 1987 .....                            | 29.2         | 6.12            | 178.70          | 36.3                                | 8.73            | 316.90          | 32.5         | 8.49            | 275.93          |
| 1988 .....                            | 29.1         | 6.31            | 183.62          | 35.9                                | 9.09            | 326.33          | 32.6         | 8.91            | 290.47          |
| 1989 <sup>p</sup> .....               | 28.9         | 6.54            | 189.01          | 35.9                                | 9.57            | 343.56          | 32.6         | 9.40            | 306.44          |
| Monthly data, not seasonally adjusted |              |                 |                 |                                     |                 |                 |              |                 |                 |
| <b>1988:</b>                          |              |                 |                 |                                     |                 |                 |              |                 |                 |
| December .....                        | 29.6         | \$6.43          | \$190.33        | 35.8                                | \$9.32          | \$333.66        | 32.6         | \$9.16          | \$298.62        |
| <b>1989:</b>                          |              |                 |                 |                                     |                 |                 |              |                 |                 |
| January .....                         | 28.4         | 6.48            | 184.03          | 36.1                                | 9.46            | 341.51          | 32.6         | 9.25            | 301.55          |
| February .....                        | 28.3         | 6.47            | 183.10          | 35.8                                | 9.47            | 339.03          | 32.4         | 9.28            | 300.67          |
| March .....                           | 28.5         | 6.48            | 184.68          | 35.8                                | 9.43            | 337.59          | 32.4         | 9.29            | 301.00          |
| April .....                           | 28.9         | 6.52            | 188.43          | 36.3                                | 9.59            | 348.12          | 32.8         | 9.34            | 306.35          |
| May .....                             | 28.8         | 6.49            | 186.91          | 35.6                                | 9.48            | 337.49          | 32.4         | 9.30            | 301.32          |
| June .....                            | 29.2         | 6.49            | 189.51          | 35.8                                | 9.48            | 339.38          | 32.7         | 9.26            | 302.80          |
| July .....                            | 29.9         | 6.49            | 194.05          | 36.3                                | 9.59            | 348.12          | 33.1         | 9.33            | 308.82          |
| August .....                          | 29.6         | 6.50            | 192.40          | 35.8                                | 9.50            | 340.10          | 32.9         | 9.29            | 305.64          |
| September .....                       | 28.9         | 6.61            | 191.03          | 35.7                                | 9.62            | 343.43          | 32.6         | 9.49            | 309.37          |
| October .....                         | 28.9         | 6.62            | 191.32          | 36.1                                | 9.71            | 350.53          | 32.8         | 9.59            | 314.55          |
| November <sup>p</sup> .....           | 28.6         | 6.63            | 189.62          | 35.7                                | 9.69            | 345.93          | 32.6         | 9.61            | 313.29          |
| December <sup>p</sup> .....           | 29.0         | 6.65            | 192.85          | 35.8                                | 9.76            | 349.41          | 32.5         | 9.70            | 315.25          |

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

<sup>p</sup> = preliminary.  
NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|---|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Total private</b> .....                                  |                     | 34.7                 | 34.9         | 34.8         | 34.5                      | 34.6                      | -                      | -            | -            | -                         | -                         |
| <b>Mining</b> .....   |                     | 41.9                 | 42.8         | 43.9         | 43.5                      | 43.7                      | -                      | -            | -            | -                         | -                         |
| Metal mining .....  | 10                  | 42.0                 | 42.2         | 43.1         | 42.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Iron ores .....   | 101                 | 42.4                 | 42.8         | 43.4         | 38.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Copper ores .....   | 102                 | 43.2                 | 43.7         | 45.7         | 46.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Coal mining .....   | 11,12               | 41.8                 | 42.8         | 43.5         | 43.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Bituminous coal and lignite mining .....                    | 12                  | 41.9                 | 42.9         | 43.6         | 43.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Oil and gas extraction .....                                | 13                  | 40.8                 | 42.2         | 43.2         | 42.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Crude petroleum, natural gas, and natural gas liquids ..... | 131,2               | 40.9                 | 44.1         | 41.7         | 41.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Oil and gas field services .....                            | 138                 | 40.8                 | 41.1         | 44.0         | 43.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Nonmetallic minerals, except fuels .....                    | 14                  | 45.4                 | 44.8         | 47.0         | 46.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Crushed and broken stone .....                              | 142                 | 46.6                 | 46.0         | 48.3         | 47.0                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Construction</b> .....                                   |                     | 37.8                 | 37.3         | 39.2         | 38.0                      | 37.1                      | -                      | -            | -            | -                         | -                         |
| General building contractors .....                          | 15                  | 37.6                 | 37.4         | 38.3         | 37.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Residential building construction .....                     | 152                 | 36.5                 | 36.2         | 37.6         | 37.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Operative builders .....                                    | 153                 | 38.4                 | 38.2         | 38.0         | 37.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Nonresidential building construction .....                  | 154                 | 38.9                 | 38.7         | 39.1         | 38.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Heavy construction contractors .....                        | 16                  | 41.6                 | 40.0         | 44.4         | 41.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Highway and street construction .....                       | 161                 | 42.0                 | 39.0         | 46.8         | 41.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Heavy construction, except highway .....                    | 162                 | 41.4                 | 40.4         | 43.2         | 42.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Special trade contractors .....                             | 17                  | 36.7                 | 36.5         | 38.1         | 37.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Plumbing, heating, and air conditioning .....               | 171                 | 38.0                 | 39.0         | 39.0         | 38.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Painting, paper hanging, and decorating .....               | 172                 | 35.6                 | 35.8         | 35.9         | 35.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Electrical work .....                                       | 173                 | 38.1                 | 39.0         | 39.5         | 39.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Masonry, stonework, and plastering .....                    | 174                 | 34.8                 | 33.6         | 35.8         | 34.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Carpentering and flooring .....                             | 175                 | 35.3                 | 34.3         | 35.4         | 35.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Roofing and sheet metal work .....                          | 176                 | 33.3                 | 32.3         | 36.5         | 33.5                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Manufacturing</b> .....                                  |                     | 41.5                 | 41.7         | 40.9         | 41.0                      | 41.3                      | 4.1                    | 4.2          | 3.9          | 3.9                       | 4.0                       |
| <b>Durable goods</b> .....                                  |                     | 42.2                 | 42.5         | 41.4         | 41.5                      | 42.0                      | 4.4                    | 4.5          | 3.9          | 3.9                       | 4.1                       |
| Lumber and wood products .....                              | 24                  | 40.0                 | 40.4         | 40.6         | 39.9                      | 39.9                      | 3.6                    | 3.5          | 3.8          | 3.6                       | -                         |
| Logging camps and logging contractors .....                 | 241                 | 38.8                 | 39.8         | 42.2         | 39.7                      | -                         | 4.1                    | 4.2          | 5.9          | 5.2                       | -                         |
| Sawmills and planing mills .....                            | 242                 | 41.2                 | 41.8         | 41.8         | 40.9                      | -                         | 4.1                    | 4.2          | 4.6          | 4.2                       | -                         |
| Sawmills and planing mills, general .....                   | 2421                | 41.4                 | 42.1         | 42.2         | 41.2                      | -                         | 4.3                    | 4.4          | 4.9          | 4.5                       | -                         |
| Hardwood dimension and flooring .....                       | 2426                | 40.6                 | 41.2         | 39.8         | 39.3                      | -                         | 3.3                    | 3.4          | 3.3          | 2.9                       | -                         |
| Millwork, plywood, and structural members .....             | 243                 | 40.0                 | 40.3         | 40.1         | 39.9                      | -                         | 3.4                    | 3.3          | 3.2          | 3.2                       | -                         |
| Millwork .....  | 2431                | 39.4                 | 39.8         | 39.3         | 39.3                      | -                         | 2.5                    | 2.5          | 2.4          | 2.3                       | -                         |
| Wood kitchen cabinets .....                                 | 2434                | 39.2                 | 39.0         | 38.7         | 39.3                      | -                         | 3.3                    | 2.8          | 2.7          | 3.2                       | -                         |
| Hardwood veneer and plywood .....                           | 2435                | 41.3                 | 41.6         | 41.8         | 41.7                      | -                         | 3.7                    | 3.7          | 3.8          | 3.8                       | -                         |
| Softwood veneer and plywood .....                           | 2436                | 42.1                 | 43.4         | 43.8         | 42.2                      | -                         | 5.0                    | 5.3          | 5.4          | 4.9                       | -                         |
| Wood containers .....                                       | 244                 | 38.6                 | 38.7         | 38.7         | 38.4                      | -                         | 3.0                    | 3.0          | 3.1          | 2.9                       | -                         |
| Wood buildings and mobile homes .....                       | 245                 | 38.6                 | 38.8         | 38.7         | 38.1                      | -                         | 2.5                    | 2.4          | 2.0          | 1.9                       | -                         |
| Mobile homes .....  | 2451                | 38.2                 | 38.3         | 38.6         | 37.8                      | -                         | 2.2                    | 2.3          | 1.6          | 1.5                       | -                         |
| Miscellaneous wood products .....                           | 249                 | 40.0                 | 39.8         | 40.2         | 39.9                      | -                         | 3.1                    | 3.0          | 3.1          | 3.1                       | -                         |
| Furniture and fixtures .....                                | 25                  | 39.9                 | 40.5         | 39.9         | 39.7                      | 40.2                      | 2.8                    | 3.1          | 3.0          | 2.7                       | -                         |
| Household furniture .....                                   | 251                 | 39.5                 | 40.3         | 39.2         | 38.9                      | -                         | 2.5                    | 2.7          | 2.6          | 2.3                       | -                         |
| Wood household furniture .....                              | 2511                | 40.2                 | 40.7         | 39.8         | 39.7                      | -                         | 2.7                    | 2.7          | 2.9          | 2.8                       | -                         |
| Upholstered household furniture .....                       | 2512                | 38.6                 | 39.9         | 38.3         | 37.7                      | -                         | 2.1                    | 2.7          | 2.1          | 1.7                       | -                         |
| Metal household furniture .....                             | 2514                | 40.2                 | 41.1         | 39.9         | 39.8                      | -                         | 2.3                    | 3.3          | 2.5          | 2.6                       | -                         |
| Mattresses and bedsprings .....                             | 2515                | 38.1                 | 38.7         | 38.5         | 39.0                      | -                         | 2.3                    | 2.7          | 2.6          | 2.3                       | -                         |
| Office furniture .....                                      | 252                 | 39.8                 | 41.7         | 40.1         | 41.1                      | -                         | 3.0                    | 3.5          | 2.6          | 3.0                       | -                         |
| Public building and related furniture .....                 | 253                 | 41.1                 | 41.5         | 40.5         | 40.4                      | -                         | 4.3                    | 5.0          | 3.7          | 3.7                       | -                         |
| Partitions and fixtures .....                               | 254                 | 40.7                 | 40.2         | 42.2         | 41.3                      | -                         | 3.7                    | 3.6          | 4.8          | 3.9                       | -                         |
| Miscellaneous furniture and fixtures .....                  | 259                 | 40.2                 | 40.2         | 40.2         | 40.6                      | -                         | 2.9                    | 3.0          | 2.8          | 3.1                       | -                         |
| Stone, clay, and glass products .....                       | 32                  | 42.7                 | 42.2         | 42.9         | 42.4                      | 41.6                      | 5.2                    | 4.8          | 5.5          | 5.0                       | -                         |
| Flat glass .....  | 321                 | 45.8                 | 45.8         | 44.0         | 42.7                      | -                         | 7.7                    | 7.8          | 5.5          | 4.9                       | -                         |
| Glass and glassware, pressed or blown .....                 | 322                 | 41.6                 | 41.7         | 41.9         | 41.9                      | -                         | 4.5                    | 4.4          | 4.8          | 4.6                       | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |              |              |                           |                           |
|---|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Total private</b> .....                                  |                     | \$9.46                  | \$9.46       | \$9.81       | \$9.81                    | \$9.85                    | \$328.26                | \$330.15     | \$341.39     | \$338.45                  | \$340.81                  |
| <b>Mining</b> .....   |                     | 12.89                   | 13.03        | 13.10        | 13.12                     | 13.28                     | 540.09                  | 557.68       | 575.09       | 570.72                    | 580.34                    |
| Metal mining .....  | 10                  | 13.38                   | 13.64        | 13.76        | 13.66                     | -                         | 561.96                  | 575.61       | 593.06       | 575.09                    | -                         |
| Iron ores .....   | 101                 | 14.00                   | 15.23        | 13.96        | 14.81                     | -                         | 593.60                  | 651.84       | 605.86       | 565.74                    | -                         |
| Copper ores .....   | 102                 | 11.44                   | 11.61        | 11.95        | 11.90                     | -                         | 494.21                  | 507.36       | 546.12       | 552.16                    | -                         |
| Coal mining .....   | 11,12               | 16.08                   | 16.08        | 16.31        | 16.52                     | -                         | 672.14                  | 688.22       | 709.49       | 721.92                    | -                         |
| Bituminous coal and lignite mining .....                    | 12                  | 16.14                   | 16.13        | 16.37        | 16.58                     | -                         | 676.27                  | 691.98       | 713.73       | 726.20                    | -                         |
| Oil and gas extraction .....                                | 13                  | 11.96                   | 12.17        | 12.21        | 12.12                     | -                         | 487.97                  | 513.57       | 527.47       | 519.95                    | -                         |
| Crude petroleum, natural gas, and natural gas liquids ..... | 131,2               | 14.59                   | 14.85        | 15.55        | 15.49                     | -                         | 596.73                  | 654.89       | 648.44       | 642.84                    | -                         |
| Oil and gas field services .....                            | 138                 | 10.39                   | 10.45        | 10.56        | 10.51                     | -                         | 423.91                  | 429.50       | 464.64       | 458.24                    | -                         |
| Nonmetallic minerals, except fuels .....                    | 14                  | 11.11                   | 11.10        | 11.41        | 11.46                     | -                         | 504.39                  | 497.28       | 536.27       | 527.16                    | -                         |
| Crushed and broken stone .....                              | 142                 | 10.55                   | 10.42        | 10.90        | 10.82                     | -                         | 491.63                  | 479.32       | 526.47       | 508.54                    | -                         |
| <b>Construction</b> .....                                   |                     | 13.08                   | 13.19        | 13.52        | 13.52                     | 13.68                     | 494.42                  | 491.99       | 529.98       | 513.76                    | 507.53                    |
| General building contractors .....                          | 15                  | 12.35                   | 12.42        | 12.76        | 12.81                     | -                         | 464.36                  | 464.51       | 488.71       | 481.66                    | -                         |
| Residential building construction .....                     | 152                 | 11.65                   | 11.79        | 12.18        | 12.24                     | -                         | 425.23                  | 426.80       | 457.97       | 452.88                    | -                         |
| Operative builders .....                                    | 153                 | 11.71                   | 11.73        | 12.07        | 12.20                     | -                         | 449.66                  | 448.09       | 458.66       | 457.50                    | -                         |
| Nonresidential building construction .....                  | 154                 | 13.12                   | 13.13        | 13.44        | 13.46                     | -                         | 510.37                  | 508.13       | 525.50       | 514.17                    | -                         |
| Heavy construction contractors .....                        | 16                  | 12.51                   | 12.48        | 13.30        | 13.17                     | -                         | 520.42                  | 499.20       | 590.52       | 550.51                    | -                         |
| Highway and street construction .....                       | 161                 | 12.23                   | 12.07        | 13.29        | 12.98                     | -                         | 513.66                  | 470.73       | 621.97       | 532.18                    | -                         |
| Heavy construction, except highway .....                    | 162                 | 12.65                   | 12.65        | 13.30        | 13.26                     | -                         | 523.71                  | 511.06       | 574.56       | 559.57                    | -                         |
| Special trade contractors .....                             | 17                  | 13.57                   | 13.73        | 13.90        | 13.92                     | -                         | 498.02                  | 501.15       | 529.59       | 517.82                    | -                         |
| Plumbing, heating, and air conditioning .....               | 171                 | 13.93                   | 14.09        | 14.30        | 14.30                     | -                         | 529.34                  | 549.51       | 557.70       | 549.12                    | -                         |
| Painting, paper hanging, and decorating .....               | 172                 | 12.67                   | 12.86        | 13.02        | 13.17                     | -                         | 451.05                  | 460.39       | 467.42       | 472.80                    | -                         |
| Electrical work .....                                       | 173                 | 14.68                   | 14.72        | 14.89        | 14.97                     | -                         | 559.31                  | 574.08       | 588.16       | 588.32                    | -                         |
| Masonry, stonework, and plastering .....                    | 174                 | 13.74                   | 13.81        | 14.23        | 14.20                     | -                         | 478.15                  | 464.02       | 509.43       | 494.16                    | -                         |
| Carpentering and flooring .....                             | 175                 | 13.14                   | 13.14        | 13.65        | 13.46                     | -                         | 463.84                  | 450.70       | 483.21       | 471.10                    | -                         |
| Roofing and sheet metal work .....                          | 176                 | 11.98                   | 12.22        | 12.21        | 12.29                     | -                         | 398.93                  | 394.71       | 445.67       | 411.72                    | -                         |
| <b>Manufacturing</b> .....                                  |                     | 10.31                   | 10.37        | 10.52        | 10.58                     | 10.67                     | 427.87                  | 432.43       | 430.27       | 433.78                    | 440.67                    |
| <b>Durable goods</b> .....                                  |                     | 10.85                   | 10.90        | 11.06        | 11.10                     | 11.21                     | 457.87                  | 463.25       | 457.88       | 460.65                    | 470.82                    |
| Lumber and wood products .....                              | 24                  | 8.69                    | 8.76         | 8.99         | 9.00                      | 8.98                      | 347.60                  | 353.90       | 364.99       | 359.10                    | 358.30                    |
| Logging camps and logging contractors .....                 | 241                 | 10.93                   | 11.16        | 11.30        | 11.08                     | -                         | 424.08                  | 444.17       | 476.86       | 439.88                    | -                         |
| Sawmills and planing mills .....                            | 242                 | 8.85                    | 8.95         | 9.16         | 9.20                      | -                         | 364.62                  | 374.11       | 382.89       | 376.28                    | -                         |
| Sawmills and planing mills, general .....                   | 2421                | 9.18                    | 9.29         | 9.52         | 9.56                      | -                         | 380.05                  | 391.11       | 401.74       | 393.87                    | -                         |
| Hardwood dimension and flooring .....                       | 2426                | 7.17                    | 7.30         | 7.34         | 7.40                      | -                         | 291.10                  | 300.76       | 292.13       | 290.82                    | -                         |
| Millwork, plywood, and structural members .....             | 243                 | 8.62                    | 8.65         | 8.86         | 8.93                      | -                         | 344.80                  | 348.60       | 355.29       | 356.31                    | -                         |
| Millwork .....  | 2431                | 8.75                    | 8.83         | 9.10         | 9.16                      | -                         | 344.75                  | 351.43       | 357.63       | 359.99                    | -                         |
| Wood kitchen cabinets .....                                 | 2434                | 8.18                    | 8.09         | 8.25         | 8.42                      | -                         | 320.66                  | 315.51       | 319.28       | 330.91                    | -                         |
| Hardwood veneer and plywood .....                           | 2435                | 7.06                    | 7.09         | 7.43         | 7.47                      | -                         | 291.58                  | 294.94       | 310.57       | 311.50                    | -                         |
| Softwood veneer and plywood .....                           | 2436                | 10.14                   | 10.15        | 10.22        | 10.23                     | -                         | 426.89                  | 440.51       | 447.64       | 431.71                    | -                         |
| Wood containers .....                                       | 244                 | 6.39                    | 6.46         | 6.56         | 6.59                      | -                         | 246.65                  | 250.00       | 253.87       | 253.06                    | -                         |
| Wood buildings and mobile homes .....                       | 245                 | 8.25                    | 8.23         | 8.39         | 8.43                      | -                         | 318.45                  | 319.32       | 324.69       | 321.18                    | -                         |
| Mobile homes .....  | 2451                | 8.36                    | 8.32         | 8.45         | 8.47                      | -                         | 319.35                  | 318.66       | 326.17       | 320.17                    | -                         |
| Miscellaneous wood products .....                           | 249                 | 7.48                    | 7.54         | 7.72         | 7.81                      | -                         | 299.20                  | 300.09       | 310.34       | 311.62                    | -                         |
| Furniture and fixtures .....                                | 25                  | 8.02                    | 8.06         | 8.39         | 8.40                      | 8.39                      | 320.00                  | 326.43       | 334.76       | 333.48                    | 337.28                    |
| Household furniture .....                                   | 251                 | 7.37                    | 7.43         | 7.76         | 7.76                      | -                         | 291.12                  | 299.43       | 304.19       | 301.86                    | -                         |
| Wood household furniture .....                              | 2511                | 6.92                    | 6.94         | 7.29         | 7.28                      | -                         | 278.18                  | 282.46       | 290.14       | 289.02                    | -                         |
| Upholstered household furniture .....                       | 2512                | 8.06                    | 8.18         | 8.47         | 8.47                      | -                         | 311.12                  | 326.38       | 324.40       | 319.32                    | -                         |
| Metal household furniture .....                             | 2514                | 7.17                    | 7.34         | 7.98         | 7.90                      | -                         | 288.23                  | 301.67       | 318.40       | 314.42                    | -                         |
| Mattresses and bedsprings .....                             | 2515                | 7.87                    | 7.98         | 8.04         | 8.20                      | -                         | 299.85                  | 308.83       | 309.54       | 319.80                    | -                         |
| Office furniture .....                                      | 252                 | 9.03                    | 9.01         | 9.43         | 9.52                      | -                         | 359.39                  | 375.72       | 378.14       | 391.27                    | -                         |
| Public building and related furniture .....                 | 253                 | 8.59                    | 8.77         | 8.77         | 8.87                      | -                         | 353.05                  | 363.96       | 355.19       | 358.35                    | -                         |
| Partitions and fixtures .....                               | 254                 | 9.58                    | 9.59         | 9.84         | 9.77                      | -                         | 389.91                  | 385.52       | 415.25       | 403.50                    | -                         |
| Miscellaneous furniture and fixtures .....                  | 259                 | 8.32                    | 8.25         | 8.51         | 8.57                      | -                         | 334.46                  | 331.65       | 342.10       | 347.94                    | -                         |
| Stone, clay, and glass products .....                       | 32                  | 10.60                   | 10.57        | 10.82        | 10.87                     | 10.87                     | 452.62                  | 446.05       | 464.18       | 460.89                    | 452.19                    |
| Flat glass .....  | 321                 | 15.29                   | 15.54        | 14.86        | 14.69                     | -                         | 700.28                  | 711.73       | 653.84       | 627.26                    | -                         |
| Glass and glassware, pressed or blown .....                 | 322                 | 11.73                   | 11.75        | 12.02        | 12.04                     | -                         | 487.97                  | 489.98       | 503.64       | 504.48                    | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|---|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Durable goods—Continued</b>                      |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Stone, clay, and glass products—Continued           |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Glass containers .....                              | 3221                | 41.1                 | 41.5         | 42.2         | 41.9                      | -                         | 5.0                    | 5.0          | 5.9          | 5.6                       | -                         |
| Pressed and blown glass, nec .....                  | 3229                | 42.3                 | 42.0         | 41.6         | 41.8                      | -                         | 4.0                    | 3.8          | 3.5          | 3.4                       | -                         |
| Products of purchased glass .....                   | 323                 | 43.0                 | 42.2         | 42.5         | 43.2                      | -                         | 4.1                    | 3.5          | 3.7          | 4.2                       | -                         |
| Cement, hydraulic .....                             | 324                 | 42.6                 | 41.7         | 41.5         | 43.0                      | -                         | 3.7                    | 3.1          | 3.4          | 3.8                       | -                         |
| Structural clay products .....                      | 325                 | 42.2                 | 42.4         | 41.0         | 41.7                      | -                         | 4.2                    | 4.3          | 3.8          | 3.6                       | -                         |
| Pottery and related products .....                  | 326                 | 40.8                 | 41.2         | 40.5         | 41.0                      | -                         | 3.9                    | 4.0          | 3.5          | 3.7                       | -                         |
| Concrete, gypsum, and plaster products .....        | 327                 | 43.4                 | 42.0         | 44.8         | 43.0                      | -                         | 6.6                    | 5.5          | 7.8          | 6.4                       | -                         |
| Concrete block and brick .....                      | 3271                | 44.3                 | 43.9         | 45.2         | 42.9                      | -                         | 6.4                    | 5.4          | 7.9          | 5.8                       | -                         |
| Concrete products, nec .....                        | 3272                | 42.9                 | 43.0         | 44.1         | 43.2                      | -                         | 6.0                    | 5.8          | 6.7          | 6.1                       | -                         |
| Ready-mixed concrete .....                          | 3273                | 42.6                 | 39.6         | 45.0         | 42.0                      | -                         | 6.5                    | 4.7          | 8.5          | 6.4                       | -                         |
| Misc. nonmetallic mineral products .....            | 329                 | 42.7                 | 43.1         | 42.0         | 42.4                      | -                         | 4.9                    | 5.0          | 4.6          | 4.5                       | -                         |
| Abrasive products .....                             | 3291                | 44.2                 | 44.6         | 42.1         | 42.5                      | -                         | 4.3                    | 4.7          | 3.6          | 3.6                       | -                         |
| Asbestos products .....                             | 3292                | 44.4                 | 44.5         | 42.5         | 42.8                      | -                         | 5.0                    | 6.4          | 6.3          | 5.6                       | -                         |
| Primary metal industries .....                      | 33                  | 43.9                 | 44.1         | 42.4         | 42.6                      | 43.1                      | 5.7                    | 5.8          | 4.9          | 4.9                       | -                         |
| Blast furnaces and basic steel products .....       | 331                 | 44.0                 | 44.2         | 42.5         | 42.6                      | 43.4                      | 5.7                    | 5.8          | 5.0          | 5.0                       | -                         |
| Blast furnaces and steel mills .....                | 3312                | 44.4                 | 44.6         | 42.8         | 42.8                      | -                         | 6.0                    | 6.1          | 5.2          | 5.1                       | -                         |
| Steel pipe and tubes .....                          | 3317                | 42.8                 | 42.4         | 41.8         | 43.3                      | -                         | 4.8                    | 4.9          | 4.7          | 5.3                       | -                         |
| Iron and steel foundries .....                      | 332                 | 44.2                 | 44.4         | 41.7         | 41.9                      | -                         | 6.2                    | 6.2          | 4.3          | 4.3                       | -                         |
| Gray iron foundries .....                           | 3321                | 44.3                 | 44.4         | 41.8         | 41.8                      | -                         | 6.5                    | 6.5          | 4.6          | 4.3                       | -                         |
| Malleable iron foundries .....                      | 3322                | 43.2                 | 43.0         | 40.4         | 41.6                      | -                         | 5.3                    | 5.0          | 3.0          | 3.8                       | -                         |
| Steel foundries, nec .....                          | 3325                | 43.8                 | 44.2         | 40.9         | 41.3                      | -                         | 5.8                    | 5.7          | 4.0          | 4.0                       | -                         |
| Primary nonferrous metals .....                     | 333                 | 44.1                 | 43.7         | 43.8         | 43.4                      | -                         | 5.1                    | 4.9          | 5.3          | 4.9                       | -                         |
| Primary aluminum .....                              | 3334                | 43.7                 | 43.4         | 43.5         | 42.9                      | -                         | 4.8                    | 4.7          | 5.3          | 5.0                       | -                         |
| Nonferrous rolling and drawing .....                | 335                 | 44.0                 | 44.2         | 43.2         | 43.9                      | -                         | 6.2                    | 6.2          | 6.0          | 6.1                       | -                         |
| Copper rolling and drawing .....                    | 3351                | 43.9                 | 44.7         | 43.2         | 44.0                      | -                         | 6.2                    | 6.3          | 5.4          | 5.7                       | -                         |
| Aluminum sheet, plate, and foil .....               | 3353                | 45.4                 | 44.9         | 42.6         | 45.5                      | -                         | 7.3                    | 6.9          | 7.2          | 8.2                       | -                         |
| Nonferrous wire drawing and insulating .....        | 3357                | 43.7                 | 43.6         | 42.9         | 42.5                      | -                         | 6.0                    | 5.9          | 5.7          | 5.0                       | -                         |
| Nonferrous foundries .....                          | 336                 | 42.5                 | 43.3         | 41.0         | 41.3                      | -                         | 4.5                    | 5.0          | 3.4          | 3.6                       | -                         |
| Aluminum foundries .....                            | 3361                | 42.9                 | 43.4         | 41.3         | 41.6                      | -                         | 4.7                    | 5.1          | 3.3          | 3.6                       | -                         |
| Fabricated metal products .....                     | 34                  | 42.6                 | 42.7         | 41.6         | 41.8                      | 41.9                      | 4.5                    | 4.6          | 3.9          | 3.9                       | -                         |
| Metal cans and shipping containers .....            | 341                 | 45.8                 | 45.6         | 43.2         | 43.4                      | -                         | 6.2                    | 5.6          | 5.8          | 5.3                       | -                         |
| Metal cans .....                                    | 3411                | 46.5                 | 46.1         | 43.4         | 43.6                      | -                         | 6.5                    | 5.6          | 5.9          | 5.3                       | -                         |
| Cutlery, hand tools, and hardware .....             | 342                 | 41.8                 | 41.8         | 41.1         | 41.4                      | -                         | 3.7                    | 3.7          | 3.3          | 3.2                       | -                         |
| Hand and edge tools, and hand saws and blades ..... | 3423.5              | 41.1                 | 41.1         | 41.4         | 41.5                      | -                         | 3.0                    | 3.2          | 3.3          | 3.5                       | -                         |
| Hardware, nec .....                                 | 3429                | 41.9                 | 41.9         | 40.4         | 40.8                      | -                         | 3.9                    | 3.8          | 3.0          | 2.7                       | -                         |
| Plumbing and heating, except electric .....         | 343                 | 41.6                 | 41.9         | 41.6         | 41.8                      | -                         | 4.2                    | 3.9          | 3.6          | 3.7                       | -                         |
| Plumbing fittings and brass goods .....             | 3432                | 41.5                 | 42.4         | 40.7         | 40.5                      | -                         | 4.0                    | 3.8          | 2.5          | 2.3                       | -                         |
| Heating equipment, except electric .....            | 3433                | 41.5                 | 41.3         | 42.6         | 42.6                      | -                         | 4.9                    | 3.7          | 4.5          | 4.4                       | -                         |
| Fabricated structural metal products .....          | 344                 | 41.7                 | 41.9         | 41.5         | 41.6                      | -                         | 4.1                    | 4.4          | 3.9          | 3.8                       | -                         |
| Fabricated structural metal .....                   | 3441                | 42.3                 | 42.7         | 42.9         | 42.5                      | -                         | 4.8                    | 5.2          | 5.0          | 4.6                       | -                         |
| Metal doors, sash, and trim .....                   | 3442                | 40.5                 | 40.1         | 40.2         | 40.4                      | -                         | 2.9                    | 2.8          | 2.6          | 2.4                       | -                         |
| Fabricated plate work (boiler shops) .....          | 3443                | 43.1                 | 42.9         | 42.4         | 42.6                      | -                         | 4.3                    | 4.8          | 4.3          | 4.3                       | -                         |
| Sheet metal work .....                              | 3444                | 40.3                 | 40.9         | 40.8         | 41.0                      | -                         | 3.5                    | 3.8          | 3.4          | 3.4                       | -                         |
| Architectural metal work .....                      | 3446                | 41.7                 | 42.3         | 39.9         | 39.6                      | -                         | 4.7                    | 5.3          | 4.2          | 4.3                       | -                         |
| Screw machine products, bolts, etc .....            | 345                 | 44.0                 | 43.8         | 42.0         | 42.3                      | -                         | 6.1                    | 6.0          | 4.6          | 4.9                       | -                         |
| Screw machine products .....                        | 3451                | 42.3                 | 42.3         | 40.8         | 40.7                      | -                         | 4.9                    | 4.7          | 3.8          | 3.7                       | -                         |
| Bolts, nuts, rivets, and washers .....              | 3452                | 45.9                 | 45.6         | 43.2         | 44.0                      | -                         | 7.5                    | 7.5          | 5.5          | 6.2                       | -                         |
| Metal forgings and stampings .....                  | 346                 | 44.2                 | 44.1         | 42.2         | 42.0                      | -                         | 5.8                    | 5.7          | 4.3          | 4.1                       | -                         |
| Iron and steel forgings .....                       | 3462                | 44.3                 | 44.3         | 41.6         | 41.7                      | -                         | 6.1                    | 6.9          | 4.0          | 3.9                       | -                         |
| Automotive stampings .....                          | 3465                | 46.3                 | 45.7         | 43.0         | 42.9                      | -                         | 7.0                    | 6.2          | 4.9          | 4.6                       | -                         |
| Metal stampings, nec .....                          | 3469                | 41.3                 | 42.0         | 41.2         | 40.9                      | -                         | 4.0                    | 4.5          | 3.5          | 3.5                       | -                         |
| Metal services, nec .....                           | 347                 | 41.8                 | 42.1         | 40.9         | 41.2                      | -                         | 4.1                    | 4.1          | 3.5          | 3.7                       | -                         |
| Plating and polishing .....                         | 3471                | 41.8                 | 42.0         | 40.6         | 40.6                      | -                         | 3.9                    | 4.1          | 3.2          | 3.3                       | -                         |
| Metal coating and allied services .....             | 3479                | 41.9                 | 42.2         | 41.4         | 42.3                      | -                         | 4.5                    | 4.1          | 4.1          | 4.6                       | -                         |
| Ordnance and accessories, nec .....                 | 348                 | 41.4                 | 43.2         | 41.1         | 41.3                      | -                         | 2.9                    | 3.0          | 3.2          | 3.2                       | -                         |
| Ammunition, except for small arms, nec .....        | 3483                | 39.8                 | 41.5         | 40.3         | 40.4                      | -                         | 2.8                    | 2.9          | 2.8          | 3.0                       | -                         |
| Misc. fabricated metal products .....               | 349                 | 42.2                 | 42.6         | 41.2         | 41.8                      | -                         | 4.1                    | 4.4          | 3.4          | 3.6                       | -                         |
| Valves and pipe fittings .....                      | 3494                | 42.4                 | 43.3         | 41.6         | 42.6                      | -                         | 3.9                    | 4.9          | 3.5          | 3.8                       | -                         |
| Misc. fabricated wire products .....                | 3496                | 41.0                 | 41.1         | 40.3         | 41.0                      | -                         | 3.7                    | 3.9          | 3.2          | 3.3                       | -                         |
| Machinery, except electrical .....                  | 35                  | 42.8                 | 43.5         | 42.0         | 42.4                      | 43.1                      | 4.6                    | 5.0          | 4.0          | 4.3                       | -                         |
| Engines and turbines .....                          | 351                 | 45.0                 | 45.0         | 42.4         | 43.4                      | -                         | 5.3                    | 5.1          | 4.1          | 4.4                       | -                         |
| Turbines and turbine generator sets .....           | 3511                | 46.1                 | 47.6         | 44.3         | 46.8                      | -                         | 9.5                    | 9.5          | 7.0          | 7.6                       | -                         |
| Internal combustion engines, nec .....              | 3519                | 44.6                 | 44.2         | 41.7         | 42.2                      | -                         | 4.0                    | 3.7          | 3.0          | 3.2                       | -                         |
| Farm and garden machinery .....                     | 352                 | 41.3                 | 42.1         | 41.0         | 41.0                      | -                         | 3.8                    | 4.2          | 3.2          | 3.2                       | -                         |
| Farm machinery and equipment .....                  | 3523                | 41.8                 | 42.5         | 41.5         | 41.2                      | -                         | 4.3                    | 4.7          | 3.7          | 3.7                       | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |              |              |                           |                           |
|---|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Durable goods—Continued</b>                      |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Stone, clay, and glass products—Continued           |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Glass containers .....                              | 3221                | \$12.09                 | \$12.14      | \$12.52      | \$12.57                   | -                         | \$496.90                | \$503.81     | \$528.34     | \$526.68                  | -                         |
| Pressed and blown glass, nec .....                  | 3229                | 11.33                   | 11.32        | 11.46        | 11.44                     | -                         | 479.26                  | 475.44       | 476.74       | 478.19                    | -                         |
| Products of purchased glass .....                   | 323                 | 9.30                    | 9.25         | 9.63         | 9.73                      | -                         | 399.90                  | 390.35       | 409.28       | 420.34                    | -                         |
| Cement, hydraulic .....                             | 324                 | 13.91                   | 13.55        | 13.66        | 13.97                     | -                         | 592.57                  | 565.04       | 566.89       | 600.71                    | -                         |
| Structural clay products .....                      | 325                 | 9.05                    | 9.00         | 9.34         | 9.42                      | -                         | 381.91                  | 381.60       | 382.94       | 392.81                    | -                         |
| Pottery and related products .....                  | 326                 | 9.43                    | 9.42         | 9.51         | 9.57                      | -                         | 384.74                  | 388.10       | 385.16       | 392.37                    | -                         |
| Concrete, gypsum, and plaster products .....        | 327                 | 10.37                   | 10.26        | 10.66        | 10.71                     | -                         | 450.06                  | 430.92       | 477.57       | 460.53                    | -                         |
| Concrete block and brick .....                      | 3271                | 9.39                    | 9.24         | 10.01        | 9.72                      | -                         | 415.98                  | 405.64       | 452.45       | 416.99                    | -                         |
| Concrete products, nec .....                        | 3272                | 9.23                    | 9.17         | 9.57         | 9.64                      | -                         | 395.97                  | 394.31       | 422.04       | 416.45                    | -                         |
| Ready-mixed concrete .....                          | 3273                | 11.24                   | 11.18        | 11.45        | 11.54                     | -                         | 478.82                  | 442.73       | 515.25       | 484.68                    | -                         |
| Misc. nonmetallic mineral products .....            | 329                 | 10.64                   | 10.65        | 10.79        | 10.89                     | -                         | 454.33                  | 459.02       | 453.18       | 461.74                    | -                         |
| Abrasive products .....                             | 3291                | 10.16                   | 10.28        | 10.19        | 10.38                     | -                         | 449.07                  | 458.49       | 429.00       | 441.15                    | -                         |
| Asbestos products .....                             | 3292                | 10.85                   | 11.20        | 11.18        | 10.88                     | -                         | 481.74                  | 498.40       | 475.15       | 465.66                    | -                         |
| Primary metal industries .....                      | 33                  | 12.22                   | 12.26        | 12.43        | 12.50                     | \$12.49                   | 536.46                  | 540.67       | 527.03       | 532.50                    | \$538.32                  |
| Blast furnaces and basic steel products .....       | 331                 | 14.01                   | 14.07        | 14.40        | 14.47                     | 14.33                     | 616.44                  | 621.89       | 612.00       | 616.42                    | 621.92                    |
| Blast furnaces and steel mills .....                | 3312                | 14.73                   | 14.78        | 15.19        | 15.27                     | -                         | 654.01                  | 659.19       | 650.13       | 653.56                    | -                         |
| Steel pipe and tubes .....                          | 3317                | 10.88                   | 11.07        | 11.28        | 11.34                     | -                         | 465.66                  | 469.37       | 471.50       | 491.02                    | -                         |
| Iron and steel foundries .....                      | 332                 | 11.15                   | 11.18        | 11.16        | 11.21                     | -                         | 492.83                  | 496.39       | 465.37       | 469.70                    | -                         |
| Gray iron foundries .....                           | 3321                | 11.72                   | 11.79        | 11.64        | 11.69                     | -                         | 519.20                  | 523.48       | 486.55       | 488.64                    | -                         |
| Malleable iron foundries .....                      | 3322                | 12.00                   | 12.10        | 12.25        | 12.44                     | -                         | 518.40                  | 520.30       | 494.90       | 517.50                    | -                         |
| Steel foundries, nec .....                          | 3325                | 10.29                   | 10.26        | 10.58        | 10.67                     | -                         | 450.70                  | 453.49       | 432.72       | 440.67                    | -                         |
| Primary nonferrous metals .....                     | 333                 | 13.44                   | 13.50        | 13.94        | 14.12                     | -                         | 592.70                  | 589.95       | 610.57       | 612.81                    | -                         |
| Primary aluminum .....                              | 3334                | 13.69                   | 13.71        | 14.27        | 14.48                     | -                         | 598.25                  | 595.01       | 620.75       | 621.19                    | -                         |
| Nonferrous rolling and drawing .....                | 335                 | 11.78                   | 11.82        | 11.84        | 11.94                     | -                         | 518.32                  | 522.44       | 511.49       | 524.17                    | -                         |
| Copper rolling and drawing .....                    | 3351                | 11.03                   | 11.13        | 11.12        | 11.06                     | -                         | 484.22                  | 497.51       | 480.38       | 486.64                    | -                         |
| Aluminum sheet, plate, and foil .....               | 3353                | 13.98                   | 14.10        | 14.30        | 14.68                     | -                         | 634.69                  | 633.09       | 609.18       | 667.94                    | -                         |
| Nonferrous wire drawing and insulating .....        | 3357                | 12.00                   | 11.95        | 11.90        | 11.83                     | -                         | 524.40                  | 521.02       | 510.51       | 502.78                    | -                         |
| Nonferrous foundries .....                          | 336                 | 9.72                    | 9.79         | 9.88         | 9.97                      | -                         | 413.10                  | 423.91       | 405.08       | 411.76                    | -                         |
| Aluminum foundries .....                            | 3361                | 9.95                    | 10.08        | 10.10        | 10.19                     | -                         | 426.86                  | 437.47       | 417.13       | 423.90                    | -                         |
| Fabricated metal products .....                     | 34                  | 10.36                   | 10.44        | 10.57        | 10.61                     | 10.71                     | 441.34                  | 445.79       | 439.71       | 443.50                    | 448.75                    |
| Metal cans and shipping containers .....            | 341                 | 13.67                   | 13.68        | 13.74        | 13.71                     | -                         | 626.09                  | 623.81       | 593.57       | 595.01                    | -                         |
| Metal cans .....                                    | 3411                | 14.52                   | 14.59        | 14.66        | 14.57                     | -                         | 675.18                  | 672.60       | 636.24       | 635.25                    | -                         |
| Cutlery, hand tools, and hardware .....             | 342                 | 10.29                   | 10.33        | 10.58        | 10.55                     | -                         | 430.12                  | 431.79       | 434.84       | 436.77                    | -                         |
| Hand and edge tools, and hand saws and blades ..... | 3423,5              | 9.38                    | 9.50         | 9.74         | 9.78                      | -                         | 385.52                  | 390.45       | 403.24       | 405.87                    | -                         |
| Hardware, nec .....                                 | 3429                | 10.70                   | 10.69        | 10.99        | 10.89                     | -                         | 448.33                  | 447.91       | 444.00       | 444.31                    | -                         |
| Plumbing and heating, except electric .....         | 343                 | 9.39                    | 9.40         | 9.58         | 9.62                      | -                         | 390.62                  | 393.86       | 398.53       | 402.12                    | -                         |
| Plumbing fittings and brass goods .....             | 3432                | 9.03                    | 9.07         | 9.17         | 9.23                      | -                         | 374.75                  | 384.57       | 373.22       | 373.82                    | -                         |
| Heating equipment, except electric .....            | 3433                | 9.36                    | 9.33         | 9.43         | 9.48                      | -                         | 388.44                  | 385.33       | 401.72       | 403.85                    | -                         |
| Fabricated structural metal products .....          | 344                 | 9.71                    | 9.80         | 9.93         | 10.00                     | -                         | 404.91                  | 410.62       | 412.10       | 416.00                    | -                         |
| Fabricated structural metal .....                   | 3441                | 10.32                   | 10.50        | 10.44        | 10.46                     | -                         | 436.54                  | 448.35       | 447.88       | 444.55                    | -                         |
| Metal doors, sash, and trim .....                   | 3442                | 8.17                    | 8.21         | 8.36         | 8.43                      | -                         | 330.89                  | 329.22       | 336.07       | 340.57                    | -                         |
| Fabricated plate work (boiler shops) .....          | 3443                | 10.32                   | 10.37        | 10.74        | 10.77                     | -                         | 444.79                  | 444.87       | 455.38       | 458.80                    | -                         |
| Sheet metal work .....                              | 3444                | 9.99                    | 10.04        | 10.19        | 10.25                     | -                         | 402.60                  | 410.64       | 415.75       | 420.25                    | -                         |
| Architectural metal work .....                      | 3446                | 8.83                    | 8.88         | 9.26         | 9.44                      | -                         | 368.21                  | 375.62       | 369.47       | 373.82                    | -                         |
| Screw machine products, bolts, etc .....            | 345                 | 10.14                   | 10.22        | 10.35        | 10.41                     | -                         | 446.16                  | 447.64       | 434.70       | 440.34                    | -                         |
| Screw machine products .....                        | 3451                | 9.51                    | 9.58         | 9.79         | 9.81                      | -                         | 402.27                  | 405.23       | 399.43       | 399.27                    | -                         |
| Bolts, nuts, rivets, and washers .....              | 3452                | 10.80                   | 10.89        | 10.94        | 11.02                     | -                         | 495.72                  | 496.58       | 472.61       | 484.88                    | -                         |
| Metal forgings and stampings .....                  | 346                 | 12.38                   | 12.50        | 12.56        | 12.65                     | -                         | 547.20                  | 551.25       | 530.03       | 531.30                    | -                         |
| Iron and steel forgings .....                       | 3462                | 12.90                   | 13.48        | 13.11        | 13.12                     | -                         | 571.47                  | 597.16       | 545.38       | 547.10                    | -                         |
| Automotive stampings .....                          | 3465                | 13.99                   | 14.05        | 14.36        | 14.42                     | -                         | 647.74                  | 642.09       | 617.48       | 618.62                    | -                         |
| Metal stampings, nec .....                          | 3469                | 9.50                    | 9.60         | 9.87         | 9.94                      | -                         | 392.35                  | 403.20       | 406.64       | 406.55                    | -                         |
| Metal services, nec .....                           | 347                 | 8.32                    | 8.40         | 8.59         | 8.69                      | -                         | 347.78                  | 353.64       | 351.33       | 358.03                    | -                         |
| Plating and polishing .....                         | 3471                | 8.27                    | 8.34         | 8.56         | 8.60                      | -                         | 345.69                  | 350.28       | 347.54       | 349.16                    | -                         |
| Metal coating and allied services .....             | 3479                | 8.41                    | 8.52         | 8.65         | 8.86                      | -                         | 352.38                  | 359.54       | 358.11       | 374.78                    | -                         |
| Ordnance and accessories, nec .....                 | 348                 | 11.33                   | 11.44        | 11.75        | 11.77                     | -                         | 469.06                  | 494.21       | 482.93       | 486.10                    | -                         |
| Ammunition, except for small arms, nec .....        | 3483                | 11.04                   | 11.11        | 11.63        | 11.72                     | -                         | 439.39                  | 461.07       | 468.69       | 473.49                    | -                         |
| Misc. fabricated metal products .....               | 349                 | 9.61                    | 9.70         | 9.89         | 9.90                      | -                         | 405.54                  | 413.22       | 407.47       | 413.82                    | -                         |
| Valves and pipe fittings .....                      | 3494                | 10.41                   | 10.57        | 10.73        | 10.72                     | -                         | 441.38                  | 457.68       | 446.37       | 456.67                    | -                         |
| Misc. fabricated wire products .....                | 3496                | 8.65                    | 8.69         | 8.52         | 8.52                      | -                         | 354.65                  | 357.16       | 343.36       | 349.32                    | -                         |
| Machinery, except electrical .....                  | 35                  | 11.22                   | 11.24        | 11.43        | 11.48                     | 11.62                     | 480.22                  | 488.94       | 480.06       | 486.75                    | 500.82                    |
| Engines and turbines .....                          | 351                 | 14.06                   | 13.63        | 14.12        | 14.31                     | -                         | 632.70                  | 613.35       | 598.69       | 621.05                    | -                         |
| Turbines and turbine generator sets .....           | 3511                | 14.44                   | 14.18        | 14.62        | 14.82                     | -                         | 665.68                  | 674.97       | 647.67       | 693.58                    | -                         |
| Internal combustion engines, nec .....              | 3519                | 13.93                   | 13.44        | 13.93        | 14.10                     | -                         | 621.28                  | 594.05       | 580.88       | 595.02                    | -                         |
| Farm and garden machinery .....                     | 352                 | 10.74                   | 10.50        | 10.67        | 10.52                     | -                         | 443.56                  | 442.05       | 437.47       | 431.32                    | -                         |
| Farm machinery and equipment .....                  | 3523                | 11.61                   | 11.35        | 11.54        | 11.50                     | -                         | 485.30                  | 482.38       | 478.91       | 473.80                    | -                         |

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry                                      | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|---|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Durable goods—Continued</b>                |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| <b>Machinery, except electrical—Continued</b> |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Construction and related machinery .....      | 353                 | 43.1                 | 43.8         | 42.6         | 42.9                      | -                         | 4.2                    | 4.9          | 4.1          | 4.4                       | -                         |
| Construction machinery .....                  | 3531                | 43.6                 | 44.1         | 43.2         | 42.7                      | -                         | 3.8                    | 4.7          | 4.0          | 4.0                       | -                         |
| Mining machinery .....                        | 3532                | 42.7                 | 43.7         | 42.0         | 42.6                      | -                         | 4.3                    | 5.1          | 4.7          | 4.7                       | -                         |
| Oil field machinery .....                     | 3533                | 42.4                 | 43.6         | 42.5         | 43.5                      | -                         | 4.7                    | 6.1          | 4.5          | 5.3                       | -                         |
| Conveyors and conveying equipment .....       | 3535                | 43.8                 | 44.9         | 42.1         | 42.3                      | -                         | 5.4                    | 6.3          | 4.4          | 5.2                       | -                         |
| Industrial trucks and tractors .....          | 3537                | 41.9                 | 42.5         | 41.2         | 42.0                      | -                         | 3.3                    | 3.8          | 3.4          | 3.7                       | -                         |
| Metalworking machinery .....                  | 354                 | 43.8                 | 44.6         | 42.9         | 43.2                      | -                         | 5.7                    | 6.1          | 5.1          | 5.2                       | -                         |
| Machine tools, metal cutting types .....      | 3541                | 44.0                 | 44.8         | 42.5         | 43.4                      | -                         | 5.3                    | 5.8          | 4.7          | 4.8                       | -                         |
| Machine tools, metal forming types .....      | 3542                | 45.9                 | 46.5         | 43.4         | 44.8                      | -                         | 7.0                    | 7.9          | 5.5          | 6.7                       | -                         |
| Special dies, tools, jigs, and fixtures ..... | 3544                | 44.2                 | 45.0         | 43.6         | 43.7                      | -                         | 6.3                    | 6.8          | 5.9          | 5.8                       | -                         |
| Machine tool accessories .....                | 3545                | 42.5                 | 43.8         | 41.5         | 42.0                      | -                         | 4.9                    | 5.1          | 4.0          | 4.5                       | -                         |
| Power driven hand tools .....                 | 3546                | 43.2                 | 43.4         | 42.7         | 42.8                      | -                         | 3.8                    | 4.0          | 3.8          | 3.8                       | -                         |
| Special industry machinery .....              | 355                 | 42.7                 | 43.8         | 42.1         | 42.3                      | -                         | 5.0                    | 5.6          | 4.4          | 4.4                       | -                         |
| Food products machinery .....                 | 3551                | 43.1                 | 44.3         | 42.0         | 42.5                      | -                         | 4.4                    | 5.1          | 4.2          | 4.4                       | -                         |
| Textile machinery .....                       | 3552                | 42.2                 | 43.6         | 42.7         | 42.5                      | -                         | 3.8                    | 4.6          | 3.8          | 3.9                       | -                         |
| Printing trades machinery .....               | 3555                | 39.2                 | 40.4         | 38.9         | 40.3                      | -                         | 4.5                    | 5.4          | 3.1          | 4.0                       | -                         |
| General industrial machinery .....            | 356                 | 43.2                 | 44.1         | 41.9         | 42.6                      | -                         | 4.9                    | 5.6          | 4.2          | 4.4                       | -                         |
| Pumps and pumping equipment .....             | 3561                | 43.4                 | 45.0         | 41.6         | 42.2                      | -                         | 4.4                    | 5.3          | 4.2          | 4.2                       | -                         |
| Ball and roller bearings .....                | 3562                | 44.3                 | 44.6         | 43.1         | 43.0                      | -                         | 6.4                    | 7.0          | 5.3          | 4.9                       | -                         |
| Air and gas compressors .....                 | 3563                | 43.6                 | 44.5         | 43.6         | 44.6                      | -                         | 5.2                    | 6.6          | 4.5          | 5.3                       | -                         |
| Blowers and fans .....                        | 3564                | 42.3                 | 42.6         | 40.3         | 41.2                      | -                         | 3.6                    | 4.2          | 2.7          | 2.6                       | -                         |
| Speed changers, drives, and gears .....       | 3566                | 42.9                 | 44.7         | 42.1         | 42.9                      | -                         | 5.3                    | 6.1          | 5.1          | 4.7                       | -                         |
| Power transmission equipment, nec .....       | 3568                | 42.4                 | 43.1         | 42.1         | 43.3                      | -                         | 5.1                    | 5.3          | 4.6          | 5.0                       | -                         |
| Office and computing machines .....           | 357                 | 41.7                 | 42.2         | 42.0         | 42.6                      | -                         | 3.5                    | 3.8          | 3.2          | 3.9                       | -                         |
| Electronic computing equipment .....          | 3573                | 42.1                 | 42.6         | 42.3         | 42.8                      | -                         | 3.5                    | 3.9          | 3.4          | 4.1                       | -                         |
| Refrigeration and service machinery .....     | 358                 | 42.2                 | 42.5         | 41.1         | 41.3                      | -                         | 3.6                    | 3.6          | 2.6          | 2.8                       | -                         |
| Refrigeration and heating equipment .....     | 3585                | 42.9                 | 42.9         | 41.5         | 41.4                      | -                         | 4.1                    | 3.7          | 2.8          | 3.0                       | -                         |
| Misc. machinery, except electrical .....      | 359                 | 42.3                 | 42.7         | 41.5         | 41.7                      | -                         | 4.9                    | 5.2          | 4.2          | 4.4                       | -                         |
| Carburetors, pistons, rings, and valves ..... | 3592                | 43.7                 | 43.8         | 41.1         | 41.0                      | -                         | 5.8                    | 5.8          | 3.5          | 3.5                       | -                         |
| Machinery, except electrical, nec .....       | 3599                | 42.1                 | 42.5         | 41.6         | 41.8                      | -                         | 4.8                    | 5.1          | 4.3          | 4.5                       | -                         |
| Electrical and electronic equipment .....     | 36                  | 41.4                 | 41.8         | 41.0         | 41.2                      | 41.6                      | 3.6                    | 3.8          | 3.2          | 3.2                       | -                         |
| Electric distributing equipment .....         | 361                 | 43.2                 | 42.9         | 41.4         | 42.1                      | -                         | 4.1                    | 4.0          | 3.0          | 3.2                       | -                         |
| Transformers .....                            | 3612                | 42.9                 | 42.6         | 41.5         | 41.8                      | -                         | 4.2                    | 4.0          | 3.1          | 3.0                       | -                         |
| Switchgear and switchboard apparatus .....    | 3613                | 43.5                 | 43.2         | 41.3         | 42.5                      | -                         | 4.0                    | 4.0          | 2.9          | 3.4                       | -                         |
| Electrical industrial apparatus .....         | 362                 | 42.6                 | 43.3         | 41.7         | 41.7                      | -                         | 4.0                    | 4.4          | 3.6          | 3.5                       | -                         |
| Motors and generators .....                   | 3621                | 42.6                 | 42.8         | 41.6         | 41.4                      | -                         | 4.4                    | 4.7          | 4.0          | 3.7                       | -                         |
| Industrial controls .....                     | 3622                | 41.5                 | 42.7         | 40.8         | 41.0                      | -                         | 2.9                    | 3.4          | 2.5          | 2.3                       | -                         |
| Household appliances .....                    | 363                 | 41.6                 | 40.8         | 40.1         | 39.6                      | -                         | 4.3                    | 3.6          | 2.6          | 2.3                       | -                         |
| Household refrigerators and freezers .....    | 3632                | 42.2                 | 42.0         | 38.1         | 38.1                      | -                         | 6.5                    | 5.6          | 1.8          | 1.2                       | -                         |
| Household laundry equipment .....             | 3633                | 41.9                 | 41.8         | 40.1         | 38.0                      | -                         | 3.1                    | 2.7          | 1.4          | 1.1                       | -                         |
| Electric housewares and fans .....            | 3634                | 43.1                 | 40.4         | 42.4         | 41.7                      | -                         | 4.9                    | 3.3          | 4.1          | 3.1                       | -                         |
| Electric lighting and wiring equipment .....  | 364                 | 40.3                 | 40.4         | 40.2         | 40.7                      | -                         | 3.3                    | 3.4          | 3.0          | 3.2                       | -                         |
| Electric lamps .....                          | 3641                | 40.2                 | 38.7         | 41.2         | 41.8                      | -                         | 3.0                    | 2.5          | 3.1          | 3.5                       | -                         |
| Current-carrying wiring devices .....         | 3643                | 39.8                 | 39.7         | 39.9         | 40.5                      | -                         | 2.8                    | 3.3          | 2.9          | 3.1                       | -                         |
| Noncurrent-carrying wiring devices .....      | 3644                | 40.8                 | 42.4         | 41.1         | 41.8                      | -                         | 3.0                    | 3.9          | 2.8          | 3.5                       | -                         |
| Residential lighting fixtures .....           | 3645                | 38.6                 | 39.4         | 39.0         | 39.4                      | -                         | 2.8                    | 2.3          | 2.6          | 2.8                       | -                         |
| Radio and TV receiving equipment .....        | 365                 | 42.8                 | 43.9         | 40.8         | 40.3                      | -                         | 4.7                    | 4.6          | 3.4          | 3.4                       | -                         |
| Radio and TV receiving sets .....             | 3651                | 42.3                 | 43.3         | 39.7         | 39.8                      | -                         | 4.0                    | 4.4          | 2.4          | 2.7                       | -                         |
| Communication equipment .....                 | 366                 | 40.6                 | 41.4         | 41.5         | 42.0                      | -                         | 2.7                    | 3.1          | 2.6          | 2.8                       | -                         |
| Telephone and telegraph apparatus .....       | 3661                | 40.7                 | 41.5         | 43.8         | 44.2                      | -                         | 2.8                    | 3.4          | 2.9          | 3.1                       | -                         |
| Radio and TV communication equipment .....    | 3662                | 40.5                 | 41.3         | 40.6         | 41.1                      | -                         | 2.6                    | 3.0          | 2.5          | 2.7                       | -                         |
| Electronic components and accessories .....   | 367                 | 40.8                 | 41.2         | 40.7         | 41.0                      | -                         | 3.4                    | 3.7          | 3.5          | 3.7                       | -                         |
| Electronic tubes .....                        | 3671-3              | 43.2                 | 43.4         | 43.2         | 43.2                      | -                         | 4.5                    | 4.8          | 3.3          | 3.6                       | -                         |
| Semiconductors and related devices .....      | 3674                | 40.2                 | 40.9         | 40.8         | 40.9                      | -                         | 3.5                    | 3.9          | 4.3          | 4.4                       | -                         |
| Electronic components, nec .....              | 3679                | 41.2                 | 41.8         | 41.0         | 41.4                      | -                         | 3.4                    | 3.8          | 3.6          | 3.8                       | -                         |
| Misc. electrical equipment and supplies ..... | 369                 | 43.3                 | 43.9         | 41.9         | 41.8                      | -                         | 4.7                    | 4.9          | 3.6          | 3.2                       | -                         |
| Storage batteries .....                       | 3691                | 43.7                 | 44.4         | 42.9         | 42.2                      | -                         | 4.0                    | 5.0          | 4.6          | 3.6                       | -                         |
| Engine electrical equipment .....             | 3694                | 43.8                 | 44.7         | 42.3         | 42.3                      | -                         | 5.6                    | 5.8          | 4.0          | 3.5                       | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry                                      | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |              |              |                           |                           |
|---|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Dec.<br>1989 <sup>P</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>P</sup> | Dec.<br>1989 <sup>P</sup> |
| <b>Durable goods—Continued</b>                |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| <b>Machinery, except electrical—Continued</b> |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Construction and related machinery .....      | 353                 | \$11.22                 | \$11.37      | \$11.51      | \$11.54                   | -                         | \$483.58                | \$498.01     | \$490.33     | \$495.07                  | -                         |
| Construction machinery .....                  | 3531                | 12.67                   | 12.83        | 12.90        | 12.93                     | -                         | 552.41                  | 565.80       | 557.28       | 552.11                    | -                         |
| Mining machinery .....                        | 3532                | 11.22                   | 11.42        | 11.63        | 11.75                     | -                         | 479.09                  | 499.05       | 488.46       | 500.55                    | -                         |
| Oil field machinery .....                     | 3533                | 10.77                   | 11.05        | 11.22        | 11.05                     | -                         | 456.65                  | 481.78       | 476.85       | 480.68                    | -                         |
| Conveyors and conveying equipment .....       | 3535                | 10.16                   | 10.28        | 10.28        | 10.53                     | -                         | 445.01                  | 461.57       | 432.79       | 445.42                    | -                         |
| Industrial trucks and tractors .....          | 3537                | 9.86                    | 9.90         | 10.20        | 10.21                     | -                         | 413.13                  | 420.75       | 420.24       | 428.82                    | -                         |
| Metalworking machinery .....                  | 354                 | 11.58                   | 11.64        | 11.85        | 11.93                     | -                         | 507.20                  | 519.14       | 508.37       | 515.38                    | -                         |
| Machine tools, metal cutting types .....      | 3541                | 11.47                   | 11.57        | 11.78        | 11.87                     | -                         | 504.68                  | 518.34       | 500.65       | 515.16                    | -                         |
| Machine tools, metal forming types .....      | 3542                | 11.98                   | 12.12        | 12.25        | 12.38                     | -                         | 549.88                  | 563.58       | 531.65       | 554.62                    | -                         |
| Special dies, tools, jigs, and fixtures ..... | 3544                | 12.40                   | 12.49        | 12.68        | 12.72                     | -                         | 548.08                  | 562.05       | 552.85       | 555.86                    | -                         |
| Machine tool accessories .....                | 3545                | 10.42                   | 10.37        | 10.61        | 10.77                     | -                         | 442.85                  | 454.21       | 440.32       | 452.34                    | -                         |
| Power driven hand tools .....                 | 3546                | 9.07                    | 9.19         | 9.38         | 9.38                      | -                         | 391.82                  | 398.85       | 400.53       | 401.46                    | -                         |
| Special industry machinery .....              | 355                 | 11.36                   | 11.46        | 11.63        | 11.71                     | -                         | 485.07                  | 501.95       | 489.62       | 495.33                    | -                         |
| Food products machinery .....                 | 3551                | 11.24                   | 11.28        | 11.71        | 11.72                     | -                         | 484.44                  | 499.70       | 491.82       | 498.10                    | -                         |
| Textile machinery .....                       | 3552                | 9.41                    | 9.47         | 9.81         | 9.81                      | -                         | 397.10                  | 412.89       | 418.89       | 416.93                    | -                         |
| Printing trades machinery .....               | 3555                | 12.39                   | 12.72        | 12.54        | 12.62                     | -                         | 485.69                  | 513.89       | 487.81       | 508.59                    | -                         |
| General industrial machinery .....            | 356                 | 10.76                   | 10.84        | 11.13        | 11.15                     | -                         | 464.83                  | 478.04       | 466.35       | 474.99                    | -                         |
| Pumps and pumping equipment .....             | 3561                | 11.46                   | 11.56        | 11.65        | 11.70                     | -                         | 497.36                  | 520.20       | 484.64       | 493.74                    | -                         |
| Ball and roller bearings .....                | 3562                | 11.33                   | 11.39        | 11.76        | 11.57                     | -                         | 501.92                  | 507.99       | 506.86       | 497.51                    | -                         |
| Air and gas compressors .....                 | 3563                | 10.71                   | 10.65        | 11.04        | 11.28                     | -                         | 466.96                  | 473.93       | 481.34       | 503.09                    | -                         |
| Blowers and fans .....                        | 3564                | 9.50                    | 9.62         | 9.81         | 9.82                      | -                         | 401.85                  | 409.81       | 395.34       | 404.58                    | -                         |
| Speed changers, drives, and gears .....       | 3566                | 10.76                   | 10.76        | 11.36        | 11.37                     | -                         | 461.60                  | 480.97       | 478.26       | 487.77                    | -                         |
| Power transmission equipment, nec .....       | 3568                | 10.61                   | 10.61        | 10.56        | 10.60                     | -                         | 449.86                  | 457.29       | 444.58       | 458.98                    | -                         |
| Office and computing machines .....           | 357                 | 10.93                   | 11.03        | 11.20        | 11.21                     | -                         | 455.78                  | 465.47       | 470.40       | 477.55                    | -                         |
| Electronic computing equipment .....          | 3573                | 10.89                   | 10.98        | 11.14        | 11.18                     | -                         | 458.47                  | 467.75       | 471.22       | 478.50                    | -                         |
| Refrigeration and service machinery .....     | 358                 | 10.74                   | 10.74        | 10.70        | 10.71                     | -                         | 453.23                  | 456.45       | 439.77       | 442.32                    | -                         |
| Refrigeration and heating equipment .....     | 3585                | 10.93                   | 10.91        | 10.79        | 10.82                     | -                         | 468.90                  | 468.04       | 447.79       | 447.95                    | -                         |
| Misc. machinery, except electrical .....      | 359                 | 10.83                   | 10.86        | 11.09        | 11.19                     | -                         | 458.11                  | 463.72       | 460.24       | 466.62                    | -                         |
| Carburetors, pistons, rings, and valves ..... | 3592                | 13.19                   | 13.07        | 13.39        | 13.29                     | -                         | 576.40                  | 572.47       | 550.33       | 544.89                    | -                         |
| Machinery, except electrical, nec .....       | 3599                | 10.50                   | 10.56        | 10.81        | 10.93                     | -                         | 442.05                  | 448.80       | 449.70       | 456.87                    | -                         |
| Electrical and electronic equipment .....     | 36                  | 10.24                   | 10.29        | 10.43        | 10.47                     | \$10.52                   | 423.94                  | 430.12       | 427.63       | 431.36                    | \$437.63                  |
| Electric distributing equipment .....         | 361                 | 9.43                    | 9.47         | 9.68         | 9.74                      | -                         | 407.38                  | 406.26       | 400.75       | 410.05                    | -                         |
| Transformers .....                            | 3612                | 9.31                    | 9.30         | 9.36         | 9.42                      | -                         | 399.40                  | 396.18       | 388.44       | 393.76                    | -                         |
| Switchgear and switchboard apparatus .....    | 3613                | 9.55                    | 9.64         | 9.99         | 10.05                     | -                         | 415.43                  | 416.45       | 412.59       | 427.13                    | -                         |
| Electrical industrial apparatus .....         | 362                 | 10.09                   | 10.11        | 10.23        | 10.26                     | -                         | 429.83                  | 437.76       | 426.59       | 427.84                    | -                         |
| Motors and generators .....                   | 3621                | 10.12                   | 10.17        | 10.18        | 10.19                     | -                         | 431.11                  | 435.28       | 423.49       | 421.87                    | -                         |
| Industrial controls .....                     | 3622                | 9.85                    | 9.81         | 10.04        | 10.09                     | -                         | 408.78                  | 418.89       | 409.63       | 413.69                    | -                         |
| Household appliances .....                    | 363                 | 10.14                   | 10.12        | 10.05        | 10.00                     | -                         | 421.82                  | 412.90       | 403.01       | 396.00                    | -                         |
| Household refrigerators and freezers .....    | 3632                | 12.15                   | 11.97        | 11.66        | 11.65                     | -                         | 512.73                  | 502.74       | 444.25       | 443.87                    | -                         |
| Household laundry equipment .....             | 3633                | 12.02                   | 11.88        | 11.93        | 11.89                     | -                         | 503.64                  | 496.58       | 478.39       | 451.82                    | -                         |
| Electric housewares and fans .....            | 3634                | 7.48                    | 7.45         | 7.48         | 7.41                      | -                         | 322.39                  | 300.98       | 317.15       | 309.00                    | -                         |
| Electric lighting and wiring equipment .....  | 364                 | 9.67                    | 9.65         | 9.87         | 9.91                      | -                         | 389.70                  | 389.86       | 396.77       | 403.34                    | -                         |
| Electric lamps .....                          | 3641                | 10.93                   | 10.83        | 11.24        | 11.30                     | -                         | 439.39                  | 419.12       | 463.09       | 472.34                    | -                         |
| Current-carrying wiring devices .....         | 3643                | 9.48                    | 9.49         | 9.77         | 9.87                      | -                         | 377.30                  | 376.75       | 389.82       | 399.74                    | -                         |
| Noncurrent-carrying wiring devices .....      | 3644                | 9.39                    | 9.42         | 9.46         | 9.55                      | -                         | 383.11                  | 399.41       | 388.81       | 399.19                    | -                         |
| Residential lighting fixtures .....           | 3645                | 6.89                    | 7.01         | 7.38         | 7.25                      | -                         | 265.95                  | 276.19       | 287.82       | 285.65                    | -                         |
| Radio and TV receiving equipment .....        | 365                 | 9.69                    | 9.82         | 9.22         | 9.36                      | -                         | 414.73                  | 431.10       | 376.18       | 377.21                    | -                         |
| Radio and TV receiving sets .....             | 3651                | 10.27                   | 10.31        | 9.67         | 9.86                      | -                         | 434.42                  | 446.42       | 383.90       | 392.43                    | -                         |
| Communication equipment .....                 | 366                 | 12.23                   | 12.28        | 12.57        | 12.61                     | -                         | 496.54                  | 508.39       | 521.66       | 529.62                    | -                         |
| Telephone and telegraph apparatus .....       | 3661                | 11.70                   | 11.72        | 11.65        | 11.63                     | -                         | 476.19                  | 486.38       | 510.27       | 514.05                    | -                         |
| Radio and TV communication equipment .....    | 3662                | 12.43                   | 12.51        | 12.94        | 13.01                     | -                         | 503.42                  | 516.66       | 525.36       | 534.71                    | -                         |
| Electronic components and accessories .....   | 367                 | 9.29                    | 9.39         | 9.73         | 9.79                      | -                         | 379.03                  | 386.87       | 396.01       | 401.39                    | -                         |
| Electronic tubes .....                        | 3671-3              | 11.48                   | 11.73        | 12.18        | 12.27                     | -                         | 495.94                  | 509.08       | 526.18       | 530.06                    | -                         |
| Semiconductors and related devices .....      | 3674                | 11.22                   | 11.36        | 11.73        | 11.76                     | -                         | 451.04                  | 464.62       | 478.58       | 480.98                    | -                         |
| Electronic components, nec .....              | 3679                | 8.30                    | 8.34         | 8.69         | 8.74                      | -                         | 341.96                  | 348.61       | 356.29       | 361.84                    | -                         |
| Misc. electrical equipment and supplies ..... | 369                 | 11.08                   | 11.11        | 10.98        | 11.04                     | -                         | 479.76                  | 487.73       | 460.06       | 461.47                    | -                         |
| Storage batteries .....                       | 3691                | 11.60                   | 11.90        | 11.92        | 11.90                     | -                         | 506.92                  | 528.36       | 511.37       | 502.18                    | -                         |
| Engine electrical equipment .....             | 3694                | 11.79                   | 11.70        | 11.50        | 11.57                     | -                         | 516.40                  | 522.99       | 486.45       | 489.41                    | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|---|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Durable goods—Continued</b>                    |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Transportation equipment .....                    | 37                  | 43.6                 | 43.5         | 41.3         | 41.4                      | 42.9                      | 5.3                    | 5.3          | 4.4          | 4.3                       | -                         |
| Motor vehicles and equipment .....                | 371                 | 44.6                 | 44.5         | 43.0         | 42.8                      | 42.7                      | 6.0                    | 5.9          | 4.6          | 4.4                       | -                         |
| Motor vehicles and car bodies .....               | 3711                | 45.1                 | 44.5         | 43.9         | 43.4                      | -                         | 6.5                    | 5.7          | 5.0          | 4.6                       | -                         |
| Truck and bus bodies .....                        | 3713                | 41.0                 | 42.6         | 41.7         | 40.8                      | -                         | 3.6                    | 4.4          | 3.5          | 3.0                       | -                         |
| Motor vehicle parts and accessories .....         | 3714                | 45.1                 | 45.3         | 42.8         | 42.9                      | -                         | 6.3                    | 6.6          | 4.6          | 4.6                       | -                         |
| Truck trailers .....                              | 3715                | 40.6                 | 40.3         | 40.0         | 40.1                      | -                         | 2.5                    | 2.8          | 2.1          | 2.5                       | -                         |
| Aircraft and parts .....                          | 372                 | 43.2                 | 43.2         | 38.2         | 38.6                      | -                         | 5.4                    | 5.5          | 5.0          | 4.9                       | -                         |
| Aircraft .....                                    | 3721                | 43.0                 | 42.9         | 35.1         | 34.4                      | -                         | 4.9                    | 5.2          | 4.6          | 3.9                       | -                         |
| Aircraft engines and engine parts .....           | 3724                | 43.1                 | 42.6         | 43.0         | 44.0                      | -                         | 5.9                    | 5.3          | 5.7          | 6.3                       | -                         |
| Aircraft equipment, nec .....                     | 3728                | 43.7                 | 44.3         | 39.6         | 41.4                      | -                         | 5.8                    | 6.2          | 5.0          | 5.7                       | -                         |
| Ship and boat building and repairing .....        | 373                 | 40.9                 | 40.3         | 40.2         | 40.2                      | -                         | 3.0                    | 2.7          | 2.7          | 2.9                       | -                         |
| Ship building and repairing .....                 | 3731                | 41.5                 | 40.4         | 40.9         | 40.6                      | -                         | 3.4                    | 2.9          | 2.8          | 3.0                       | -                         |
| Boat building and repairing .....                 | 3732                | 39.9                 | 40.1         | 39.1         | 39.5                      | -                         | 2.3                    | 2.5          | 2.3          | 2.7                       | -                         |
| Railroad equipment .....                          | 374                 | 43.6                 | 43.2         | 42.7         | 43.6                      | -                         | 4.5                    | 4.9          | 4.3          | 4.1                       | -                         |
| Guided missiles, space vehicles, and parts .....  | 376                 | 43.5                 | 44.5         | 43.7         | 43.6                      | -                         | 4.9                    | 5.3          | 4.8          | 4.9                       | -                         |
| Guided missiles and space vehicles .....          | 3761                | 43.3                 | 44.8         | 44.2         | 43.5                      | -                         | 4.8                    | 5.4          | 5.1          | 5.1                       | -                         |
| Miscellaneous transportation equipment .....      | 379                 | 39.3                 | 40.6         | 39.9         | 39.8                      | -                         | 2.5                    | 3.0          | 2.6          | 2.5                       | -                         |
| Travel trailers and campers .....                 | 3792                | 38.5                 | 38.8         | 38.4         | 38.1                      | -                         | 2.1                    | 2.1          | 1.8          | 1.6                       | -                         |
| Instruments and related products .....            | 38                  | 42.0                 | 42.0         | 41.1         | 41.6                      | 41.9                      | 3.3                    | 3.5          | 2.8          | 3.0                       | -                         |
| Engineering and scientific instruments .....      | 381                 | 42.5                 | 43.7         | 42.5         | 43.1                      | -                         | 3.6                    | 4.1          | 2.7          | 2.9                       | -                         |
| Measuring and controlling devices .....           | 382                 | 42.4                 | 42.0         | 41.0         | 41.5                      | -                         | 3.2                    | 3.3          | 2.6          | 2.9                       | -                         |
| Environmental controls .....                      | 3822                | 40.5                 | 41.1         | 40.0         | 40.7                      | -                         | 2.6                    | 2.8          | 2.1          | 2.2                       | -                         |
| Process control instruments .....                 | 3823                | 44.1                 | 44.2         | 41.5         | 43.3                      | -                         | 4.3                    | 4.6          | 3.5          | 4.5                       | -                         |
| Instruments to measure electricity .....          | 3825                | 42.4                 | 41.3         | 41.3         | 41.4                      | -                         | 2.8                    | 2.7          | 2.1          | 2.3                       | -                         |
| Optical instruments and lenses .....              | 383                 | 44.9                 | 44.5         | 41.9         | 42.8                      | -                         | 4.0                    | 3.7          | 2.6          | 2.8                       | -                         |
| Medical instruments and supplies .....            | 384                 | 40.7                 | 41.1         | 40.9         | 41.4                      | -                         | 2.8                    | 3.2          | 3.0          | 3.3                       | -                         |
| Surgical and medical instruments .....            | 3841                | 40.1                 | 40.4         | 40.7         | 41.4                      | -                         | 2.7                    | 2.9          | 3.2          | 3.3                       | -                         |
| Surgical appliances and supplies .....            | 3842                | 41.2                 | 41.6         | 40.6         | 41.2                      | -                         | 3.0                    | 3.5          | 2.5          | 3.1                       | -                         |
| Ophthalmic goods .....                            | 385                 | 40.3                 | 40.5         | 39.0         | 39.4                      | -                         | 3.3                    | 3.2          | 2.8          | 3.1                       | -                         |
| Photographic equipment and supplies .....         | 386                 | 43.7                 | 42.7         | 42.1         | 42.5                      | -                         | 4.7                    | 4.6          | 3.0          | 2.9                       | -                         |
| Watches, clocks, and watchcases .....             | 387                 | 42.4                 | 41.5         | 39.5         | 37.5                      | -                         | 3.5                    | 2.4          | 2.3          | 1.9                       | -                         |
| Miscellaneous manufacturing .....                 | 39                  | 39.8                 | 39.7         | 39.7         | 40.3                      | 40.2                      | 2.8                    | 2.7          | 2.9          | 3.0                       | -                         |
| Jewelry, silverware, and plated ware .....        | 391                 | 39.7                 | 39.4         | 39.3         | 40.2                      | -                         | 3.5                    | 2.9          | 3.4          | 3.7                       | -                         |
| Jewelry, precious metal .....                     | 3911                | 39.2                 | 39.2         | 39.4         | 40.5                      | -                         | 3.6                    | 3.0          | 3.6          | 4.1                       | -                         |
| Musical instruments .....                         | 393                 | 39.9                 | 40.4         | 39.4         | 39.5                      | -                         | 2.5                    | 3.3          | 2.0          | 2.1                       | -                         |
| Toys and sporting goods .....                     | 394                 | 39.7                 | 39.0         | 39.5         | 40.2                      | -                         | 2.2                    | 2.0          | 2.6          | 2.6                       | -                         |
| Dolls, games, toys, and children's vehicles ..... | 3942.4              | 39.4                 | 36.9         | 39.1         | 39.7                      | -                         | 1.9                    | .8           | 2.5          | 2.3                       | -                         |
| Sporting and athletic goods, nec .....            | 3949                | 40.0                 | 40.5         | 39.8         | 40.6                      | -                         | 2.4                    | 2.8          | 2.7          | 2.9                       | -                         |
| Pens, pencils, office, and art supplies .....     | 395                 | 39.4                 | 40.0         | 41.0         | 40.2                      | -                         | 2.6                    | 3.1          | 3.1          | 2.6                       | -                         |
| Costume jewelry and notions .....                 | 396                 | 39.3                 | 38.9         | 39.9         | 41.0                      | -                         | 2.8                    | 2.5          | 3.0          | 3.5                       | -                         |
| Costume jewelry .....                             | 3961                | 38.4                 | 38.7         | 40.0         | 42.4                      | -                         | 2.8                    | 2.3          | 3.7          | 4.6                       | -                         |
| Miscellaneous manufactures .....                  | 399                 | 40.1                 | 40.5         | 39.6         | 40.3                      | -                         | 3.2                    | 3.0          | 2.9          | 3.2                       | -                         |
| Signs and advertising displays .....              | 3993                | 40.2                 | 40.2         | 40.4         | 41.3                      | -                         | 3.2                    | 3.3          | 3.6          | 4.0                       | -                         |
| <b>Nondurable goods</b> .....                     |                     | 40.5                 | 40.5         | 40.3         | 40.4                      | 40.4                      | 3.8                    | 3.8          | 3.9          | 3.8                       | 3.8                       |
| Food and kindred products .....                   | 20                  | 40.9                 | 40.8         | 41.1         | 41.2                      | 41.2                      | 4.5                    | 4.3          | 4.9          | 4.7                       | -                         |
| Meat products .....                               | 201                 | 41.1                 | 40.6         | 40.9         | 41.0                      | -                         | 4.9                    | 4.4          | 4.7          | 4.8                       | -                         |
| Meat packing plants .....                         | 2011                | 42.2                 | 41.3         | 42.2         | 42.4                      | -                         | 5.6                    | 5.2          | 5.7          | 5.7                       | -                         |
| Sausages and other prepared meats .....           | 2013                | 41.1                 | 41.6         | 41.0         | 41.6                      | -                         | 4.7                    | 4.9          | 4.7          | 5.2                       | -                         |
| Poultry dressing plants .....                     | 2016                | 40.2                 | 39.4         | 40.0         | 40.0                      | -                         | 4.2                    | 3.2          | 4.0          | 4.1                       | -                         |
| Dairy products .....                              | 202                 | 40.9                 | 41.2         | 40.7         | 41.2                      | -                         | 4.1                    | 4.0          | 4.0          | 4.3                       | -                         |
| Cheese, natural and processed .....               | 2022                | 39.1                 | 39.2         | 39.5         | 39.7                      | -                         | 3.5                    | 3.4          | 3.4          | 3.8                       | -                         |
| Fluid milk .....                                  | 2026                | 42.4                 | 41.9         | 41.5         | 42.0                      | -                         | 4.8                    | 4.5          | 4.7          | 5.0                       | -                         |
| Preserved fruits and vegetables .....             | 203                 | 40.0                 | 39.8         | 40.9         | 40.2                      | -                         | 4.2                    | 3.8          | 5.4          | 4.3                       | -                         |
| Canned specialties .....                          | 2032                | 44.0                 | 44.5         | 44.6         | 43.4                      | -                         | 6.7                    | 7.1          | 8.9          | 6.2                       | -                         |
| Canned fruits and vegetables .....                | 2033                | 39.0                 | 39.4         | 40.1         | 40.5                      | -                         | 4.1                    | 3.6          | 5.7          | 4.6                       | -                         |
| Frozen fruits and vegetables .....                | 2037                | 39.0                 | 38.2         | 41.5         | 39.1                      | -                         | 3.8                    | 2.8          | 5.6          | 3.7                       | -                         |
| Grain mill products .....                         | 204                 | 45.2                 | 46.4         | 44.5         | 45.3                      | -                         | 6.9                    | 7.3          | 6.4          | 6.4                       | -                         |
| Flour and other grain mill products .....         | 2041                | 48.0                 | 48.1         | 47.8         | 48.7                      | -                         | 7.9                    | 7.7          | 8.2          | 8.3                       | -                         |
| Prepared feeds, nec .....                         | 2048                | 43.4                 | 43.9         | 43.8         | 43.4                      | -                         | 6.5                    | 6.7          | 6.8          | 6.6                       | -                         |
| Bakery products .....                             | 205                 | 40.2                 | 40.1         | 40.0         | 40.3                      | -                         | 4.2                    | 3.8          | 4.4          | 4.6                       | -                         |
| Bread, cake, and related products .....           | 2051                | 38.6                 | 38.9         | 39.3         | 39.7                      | -                         | 4.2                    | 3.8          | 4.4          | 4.7                       | -                         |
| Cookies and crackers .....                        | 2052                | 44.0                 | 42.9         | 41.8         | 41.8                      | -                         | 4.3                    | 3.8          | 4.3          | 4.2                       | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average hourly earnings |                  |                  |                           |                           | Average weekly earnings |              |              |                           |                           |
|---|---------------------|-------------------------|------------------|------------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988            | Dec.<br>1988     | Oct.<br>1989     | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Durable goods—Continued</b>                    |                     |                         |                  |                  |                           |                           |                         |              |              |                           |                           |
| Transportation equipment .....                    | 37                  | \$13.56                 | \$13.59          | \$13.84          | \$13.85                   | \$14.06                   | \$591.22                | \$591.17     | \$571.59     | \$573.39                  | \$603.17                  |
| Motor vehicles and equipment .....                | 371                 | 14.18                   | 14.23            | 14.45            | 14.44                     | 14.61                     | 632.43                  | 633.24       | 621.35       | 618.03                    | 623.85                    |
| Motor vehicles and car bodies .....               | 3711                | 16.13                   | 16.25            | 16.80            | 16.68                     | -                         | 727.46                  | 723.13       | 737.52       | 723.91                    | -                         |
| Truck and bus bodies .....                        | 3713                | 11.70                   | 12.07            | 11.92            | 12.09                     | -                         | 479.70                  | 514.18       | 497.06       | 493.27                    | -                         |
| Motor vehicle parts and accessories .....         | 3714                | 13.33                   | 13.29            | 13.33            | 13.41                     | -                         | 601.18                  | 602.04       | 570.52       | 575.29                    | -                         |
| Truck trailers .....                              | 3715                | 9.28                    | 9.40             | 9.41             | 9.57                      | -                         | 376.77                  | 378.82       | 376.40       | 383.76                    | -                         |
| Aircraft and parts .....                          | 372                 | 13.93                   | 13.97            | 14.38            | 14.38                     | -                         | 601.78                  | 603.50       | 549.32       | 555.07                    | -                         |
| Aircraft .....                                    | 3721                | ( <sup>b</sup> )        | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )          | -                         | -                       | -            | -            | -                         | -                         |
| Aircraft engines and engine parts .....           | 3724                | \$14.12                 | \$13.99          | \$14.56          | \$14.64                   | -                         | \$608.57                | \$595.97     | \$626.08     | \$644.16                  | -                         |
| Aircraft equipment, nec .....                     | 3728                | 12.79                   | 12.94            | 12.99            | 13.10                     | -                         | 558.92                  | 573.24       | 514.40       | 542.34                    | -                         |
| Ship and boat building and repairing .....        | 373                 | 10.42                   | 10.32            | 10.59            | 10.71                     | -                         | 426.18                  | 415.90       | 425.72       | 430.54                    | -                         |
| Ship building and repairing .....                 | 3731                | 11.66                   | 11.61            | 11.46            | 11.61                     | -                         | 483.89                  | 469.04       | 468.71       | 471.37                    | -                         |
| Boat building and repairing .....                 | 3732                | 8.55                    | 8.47             | 9.02             | 9.11                      | -                         | 341.15                  | 339.65       | 352.68       | 359.85                    | -                         |
| Railroad equipment .....                          | 374                 | 12.40                   | 12.55            | 12.97            | 12.87                     | -                         | 540.64                  | 542.16       | 553.82       | 561.13                    | -                         |
| Guided missiles, space vehicles, and parts .....  | 376                 | 13.39                   | 13.45            | 13.98            | 14.03                     | -                         | 582.47                  | 598.53       | 610.93       | 611.71                    | -                         |
| Guided missiles and space vehicles .....          | 3761                | ( <sup>b</sup> )        | ( <sup>b</sup> ) | ( <sup>b</sup> ) | ( <sup>b</sup> )          | -                         | -                       | -            | -            | -                         | -                         |
| Miscellaneous transportation equipment .....      | 379                 | \$10.34                 | \$10.44          | \$10.51          | \$10.40                   | -                         | \$406.36                | \$423.86     | \$419.35     | \$413.92                  | -                         |
| Travel trailers and campers .....                 | 3792                | 8.93                    | 9.06             | 9.31             | 9.32                      | -                         | 343.81                  | 351.53       | 357.50       | 355.09                    | -                         |
| Instruments and related products .....            | 38                  | 10.07                   | 10.13            | 10.35            | 10.37                     | 10.52                     | 422.94                  | 425.46       | 425.39       | 431.39                    | 440.79                    |
| Engineering and scientific instruments .....      | 381                 | 11.38                   | 11.37            | 11.64            | 11.78                     | -                         | 483.65                  | 496.87       | 494.70       | 507.72                    | -                         |
| Measuring and controlling devices .....           | 382                 | 9.71                    | 9.74             | 10.15            | 10.15                     | -                         | 411.70                  | 409.08       | 416.15       | 421.23                    | -                         |
| Environmental controls .....                      | 3822                | 9.26                    | 9.25             | 9.26             | 9.23                      | -                         | 375.03                  | 380.18       | 370.40       | 375.66                    | -                         |
| Process control instruments .....                 | 3823                | 9.52                    | 9.53             | 9.91             | 9.98                      | -                         | 419.83                  | 421.23       | 411.27       | 432.13                    | -                         |
| Instruments to measure electricity .....          | 3825                | 9.70                    | 9.70             | 10.49            | 10.51                     | -                         | 411.28                  | 400.61       | 433.24       | 435.11                    | -                         |
| Optical instruments and lenses .....              | 383                 | 11.11                   | 11.12            | 11.42            | 11.36                     | -                         | 498.84                  | 494.84       | 478.50       | 486.21                    | -                         |
| Medical instruments and supplies .....            | 384                 | 9.11                    | 9.15             | 9.37             | 9.32                      | -                         | 370.78                  | 376.07       | 383.23       | 385.85                    | -                         |
| Surgical and medical instruments .....            | 3841                | 9.44                    | 9.40             | 9.51             | 9.41                      | -                         | 378.54                  | 379.76       | 387.06       | 389.57                    | -                         |
| Surgical appliances and supplies .....            | 3842                | 8.75                    | 8.89             | 9.23             | 9.21                      | -                         | 360.50                  | 369.82       | 374.74       | 379.45                    | -                         |
| Ophthalmic goods .....                            | 385                 | 7.69                    | 7.62             | 7.88             | 7.97                      | -                         | 309.91                  | 308.61       | 307.32       | 314.02                    | -                         |
| Photographic equipment and supplies .....         | 386                 | 13.59                   | 13.97            | 13.62            | 13.64                     | -                         | 593.88                  | 596.52       | 573.40       | 579.70                    | -                         |
| Watches, clocks, and watchcases .....             | 387                 | 7.37                    | 7.34             | 7.46             | 7.57                      | -                         | 312.49                  | 304.61       | 294.67       | 283.88                    | -                         |
| Miscellaneous manufacturing .....                 | 39                  | 8.12                    | 8.20             | 8.38             | 8.49                      | 8.61                      | 323.18                  | 325.54       | 332.69       | 342.15                    | 346.12                    |
| Jewelry, silverware, and plated ware .....        | 391                 | 8.83                    | 8.80             | 9.10             | 9.09                      | -                         | 350.55                  | 346.72       | 357.63       | 365.42                    | -                         |
| Jewelry, precious metal .....                     | 3911                | 9.02                    | 8.90             | 9.15             | 9.18                      | -                         | 353.58                  | 348.88       | 360.51       | 371.79                    | -                         |
| Musical instruments .....                         | 393                 | 8.03                    | 8.17             | 8.50             | 8.50                      | -                         | 320.40                  | 330.07       | 334.90       | 335.75                    | -                         |
| Toys and sporting goods .....                     | 394                 | 7.31                    | 7.40             | 7.59             | 7.70                      | -                         | 290.21                  | 288.60       | 299.81       | 309.54                    | -                         |
| Dolls, games, toys, and children's vehicles ..... | 3942.4              | 7.06                    | 7.25             | 7.30             | 7.56                      | -                         | 278.16                  | 267.53       | 285.43       | 300.13                    | -                         |
| Sporting and athletic goods, nec .....            | 3949                | 7.50                    | 7.49             | 7.82             | 7.81                      | -                         | 300.00                  | 303.35       | 311.24       | 317.09                    | -                         |
| Pens, pencils, office, and art supplies .....     | 395                 | 8.02                    | 7.93             | 8.49             | 8.49                      | -                         | 315.99                  | 317.20       | 348.09       | 341.30                    | -                         |
| Costume jewelry and notions .....                 | 396                 | 6.86                    | 6.87             | 6.89             | 7.04                      | -                         | 269.60                  | 267.24       | 274.91       | 288.64                    | -                         |
| Costume jewelry .....                             | 3961                | 6.54                    | 6.41             | 6.29             | 6.32                      | -                         | 251.14                  | 248.07       | 251.60       | 267.97                    | -                         |
| Miscellaneous manufactures .....                  | 399                 | 8.89                    | 8.99             | 9.18             | 9.37                      | -                         | 356.49                  | 364.10       | 363.53       | 377.61                    | -                         |
| Signs and advertising displays .....              | 3993                | 9.29                    | 9.32             | 9.72             | 9.84                      | -                         | 373.46                  | 374.66       | 392.69       | 406.39                    | -                         |
| <b>Nondurable goods</b> .....                     |                     | 9.54                    | 9.61             | 9.80             | 9.86                      | 9.92                      | 386.37                  | 389.21       | 394.94       | 398.34                    | 400.77                    |
| Food and kindred products .....                   | 20                  | 9.15                    | 9.25             | 9.27             | 9.38                      | 9.48                      | 374.24                  | 377.40       | 381.00       | 386.46                    | 390.58                    |
| Meat products .....                               | 201                 | 7.64                    | 7.68             | 7.76             | 7.83                      | -                         | 314.00                  | 311.81       | 317.38       | 321.03                    | -                         |
| Meat packing plants .....                         | 2011                | 8.51                    | 8.49             | 8.66             | 8.72                      | -                         | 359.12                  | 350.64       | 365.45       | 369.73                    | -                         |
| Sausages and other prepared meats .....           | 2013                | 9.05                    | 9.14             | 9.17             | 9.25                      | -                         | 371.96                  | 380.22       | 375.97       | 384.80                    | -                         |
| Poultry dressing plants .....                     | 2016                | 6.46                    | 6.49             | 6.59             | 6.64                      | -                         | 259.69                  | 255.71       | 263.60       | 265.60                    | -                         |
| Dairy products .....                              | 202                 | 9.99                    | 10.00            | 10.25            | 10.25                     | -                         | 408.59                  | 412.00       | 417.18       | 422.30                    | -                         |
| Cheese, natural and processed .....               | 2022                | 9.23                    | 9.37             | 9.53             | 9.65                      | -                         | 360.89                  | 367.30       | 376.44       | 383.11                    | -                         |
| Fluid milk .....                                  | 2026                | 10.37                   | 10.39            | 10.65            | 10.62                     | -                         | 439.69                  | 435.34       | 441.98       | 446.04                    | -                         |
| Preserved fruits and vegetables .....             | 203                 | 8.31                    | 8.69             | 8.46             | 8.67                      | -                         | 332.40                  | 345.86       | 346.01       | 348.53                    | -                         |
| Canned specialties .....                          | 2032                | 10.33                   | 10.55            | 10.58            | 10.56                     | -                         | 454.52                  | 469.48       | 471.87       | 458.30                    | -                         |
| Canned fruits and vegetables .....                | 2033                | 8.20                    | 8.80             | 8.43             | 8.65                      | -                         | 319.80                  | 346.72       | 338.04       | 350.33                    | -                         |
| Frozen fruits and vegetables .....                | 2037                | 7.53                    | 7.78             | 7.58             | 7.80                      | -                         | 293.67                  | 297.20       | 314.57       | 304.98                    | -                         |
| Grain mill products .....                         | 204                 | 11.36                   | 11.40            | 11.15            | 11.18                     | -                         | 513.47                  | 528.96       | 496.18       | 506.45                    | -                         |
| Flour and other grain mill products .....         | 2041                | 11.18                   | 11.26            | 10.89            | 10.80                     | -                         | 536.64                  | 541.61       | 520.54       | 525.96                    | -                         |
| Prepared feeds, nec .....                         | 2048                | 8.71                    | 8.69             | 8.90             | 8.99                      | -                         | 378.01                  | 381.49       | 389.82       | 390.17                    | -                         |
| Bakery products .....                             | 205                 | 10.38                   | 10.35            | 10.57            | 10.60                     | -                         | 417.28                  | 415.04       | 422.80       | 427.18                    | -                         |
| Bread, cake, and related products .....           | 2051                | 10.35                   | 10.29            | 10.45            | 10.46                     | -                         | 399.51                  | 400.28       | 410.69       | 415.26                    | -                         |
| Cookies and crackers .....                        | 2052                | 10.43                   | 10.48            | 10.86            | 10.95                     | -                         | 458.92                  | 449.59       | 453.95       | 457.71                    | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry                                     | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|--|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Nondurable goods—Continued</b>            |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Food and kindred products—Continued          |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Sugar and confectionery products .....       | 206                 | 41.7                 | 41.1         | 41.7         | 42.1                      | -                         | 4.3                    | 4.0          | 4.9          | 4.8                       | -                         |
| Cane and beet sugar .....                    | 2061-3              | 44.4                 | 45.6         | 44.4         | 47.3                      | -                         | 7.4                    | 7.6          | 7.3          | 8.8                       | -                         |
| Confectionery products .....                 | 2065                | 40.2                 | 38.5         | 40.6         | 39.9                      | -                         | 3.3                    | 2.7          | 4.1          | 3.3                       | -                         |
| Fats and oils .....                          | 207                 | 44.4                 | 44.2         | 45.0         | 44.1                      | -                         | 5.7                    | 5.4          | 6.7          | 6.4                       | -                         |
| Beverages .....                              | 208                 | 40.7                 | 41.6         | 41.4         | 41.8                      | -                         | 3.5                    | 3.5          | 4.2          | 4.2                       | -                         |
| Malt beverages .....                         | 2082                | 42.6                 | 43.2         | 42.9         | 43.7                      | -                         | 5.7                    | 4.9          | 5.8          | 6.5                       | -                         |
| Bottled and canned soft drinks .....         | 2086                | 39.6                 | 40.5         | 40.2         | 40.5                      | -                         | 2.6                    | 3.1          | 2.8          | 3.0                       | -                         |
| Misc. food and kindred products .....        | 209                 | 38.4                 | 38.3         | 39.6         | 39.4                      | -                         | 3.9                    | 3.5          | 4.4          | 4.1                       | -                         |
| Tobacco manufactures .....                   | 21                  | 40.3                 | 39.9         | 40.2         | 39.0                      | 37.0                      | 2.6                    | 2.7          | 3.2          | 2.3                       | -                         |
| Cigarettes .....                             | 211                 | 40.8                 | 40.3         | 40.1         | 39.0                      | -                         | 2.9                    | 3.0          | 3.6          | 2.4                       | -                         |
| Textile mill products .....                  | 22                  | 41.4                 | 41.0         | 40.9         | 40.8                      | 40.7                      | 4.2                    | 4.2          | 4.2          | 4.1                       | -                         |
| Weaving mills, cotton .....                  | 221                 | 41.3                 | 40.6         | 42.0         | 41.9                      | -                         | 4.0                    | 4.1          | 4.9          | 5.0                       | -                         |
| Weaving mills, synthetics .....              | 222                 | 42.1                 | 41.6         | 41.1         | 41.1                      | -                         | 4.6                    | 4.3          | 4.2          | 4.1                       | -                         |
| Weaving and finishing mills, wool .....      | 223                 | 42.0                 | 41.7         | 39.8         | 40.1                      | -                         | 3.6                    | 3.8          | 2.9          | 3.1                       | -                         |
| Narrow fabric mills .....                    | 224                 | 42.3                 | 42.8         | 40.3         | 41.7                      | -                         | 4.6                    | 4.7          | 3.3          | 3.3                       | -                         |
| Knitting mills .....                         | 225                 | 40.2                 | 39.5         | 39.7         | 39.4                      | -                         | 3.7                    | 3.5          | 3.7          | 3.7                       | -                         |
| Women's hosiery, except socks .....          | 2251                | 39.4                 | 40.2         | 39.0         | 38.9                      | -                         | 3.1                    | 3.8          | 2.9          | 3.1                       | -                         |
| Hosiery, nec .....                           | 2252                | 39.1                 | 36.5         | 38.9         | 38.5                      | -                         | 2.6                    | 1.9          | 3.1          | 2.7                       | -                         |
| Knit outerwear mills .....                   | 2253                | 40.3                 | 38.4         | 39.5         | 38.5                      | -                         | 4.3                    | 3.1          | 4.6          | 4.5                       | -                         |
| Knit underwear mills .....                   | 2254                | 39.2                 | 39.4         | 40.1         | 40.3                      | -                         | 2.0                    | 2.1          | 2.3          | 2.2                       | -                         |
| Circular knit fabric mills .....             | 2257                | 40.9                 | 42.4         | 41.0         | 41.2                      | -                         | 4.9                    | 5.4          | 4.4          | 4.2                       | -                         |
| Textile finishing, except wool .....         | 226                 | 42.4                 | 43.5         | 42.0         | 42.0                      | -                         | 5.5                    | 6.0          | 5.1          | 5.0                       | -                         |
| Finishing plants, cotton .....               | 2261                | 43.5                 | 44.0         | 43.0         | 43.0                      | -                         | 6.2                    | 6.4          | 5.3          | 5.4                       | -                         |
| Finishing plants, synthetics .....           | 2262                | 41.9                 | 43.6         | 42.2         | 41.5                      | -                         | 5.0                    | 6.0          | 5.1          | 4.8                       | -                         |
| Floor covering mills .....                   | 227                 | 43.4                 | 42.3         | 42.1         | 42.1                      | -                         | 4.6                    | 4.4          | 4.4          | 4.5                       | -                         |
| Yarn and thread mills .....                  | 228                 | 40.6                 | 40.7         | 40.8         | 40.5                      | -                         | 3.9                    | 4.0          | 4.2          | 3.9                       | -                         |
| Yarn mills, except wool .....                | 2281                | 41.1                 | 41.1         | 41.5         | 40.8                      | -                         | 4.2                    | 4.2          | 4.5          | 4.2                       | -                         |
| Throwing and winding mills .....             | 2282                | 38.3                 | 38.2         | 37.6         | 37.5                      | -                         | 2.5                    | 3.0          | 2.8          | 2.2                       | -                         |
| Miscellaneous textile goods .....            | 229                 | 42.4                 | 42.7         | 42.1         | 42.0                      | -                         | 4.4                    | 4.6          | 4.4          | 4.2                       | -                         |
| Apparel and other textile products .....     | 23                  | 37.3                 | 37.2         | 37.1         | 37.2                      | 36.7                      | 2.0                    | 1.9          | 2.0          | 1.9                       | -                         |
| Men's and boys' suits and coats .....        | 231                 | 37.0                 | 37.5         | 35.8         | 36.1                      | -                         | 1.5                    | 1.6          | 1.1          | .9                        | -                         |
| Men's and boys' furnishings .....            | 232                 | 37.0                 | 36.8         | 37.3         | 37.1                      | -                         | 1.6                    | 1.5          | 1.7          | 1.6                       | -                         |
| Men's and boys' shirts and nightwear .....   | 2321                | 37.3                 | 37.0         | 37.3         | 37.0                      | -                         | 1.3                    | 1.2          | 1.6          | 1.2                       | -                         |
| Men's and boys' separate trousers .....      | 2327                | 35.9                 | 36.5         | 35.5         | 36.0                      | -                         | 1.2                    | 1.5          | 1.3          | 1.5                       | -                         |
| Men's and boys' work clothing .....          | 2328                | 35.9                 | 35.7         | 36.4         | 36.0                      | -                         | 1.4                    | 1.5          | 1.6          | 1.6                       | -                         |
| Women's and misses' outerwear .....          | 233                 | 35.8                 | 35.6         | 35.2         | 35.4                      | -                         | 1.6                    | 1.5          | 1.6          | 1.6                       | -                         |
| Women's and misses' blouses and waists ..... | 2331                | 36.1                 | 35.4         | 35.3         | 35.2                      | -                         | 1.3                    | 1.2          | 1.1          | 1.2                       | -                         |
| Women's and misses' dresses .....            | 2335                | 35.0                 | 35.1         | 33.8         | 33.7                      | -                         | 1.4                    | 1.4          | 1.5          | 1.6                       | -                         |
| Women's and misses' suits and coats .....    | 2337                | 36.1                 | 35.6         | 34.6         | 35.0                      | -                         | 2.2                    | 2.1          | 2.1          | 2.0                       | -                         |
| Women's and misses' outerwear, nec .....     | 2339                | 36.0                 | 35.9         | 35.9         | 36.1                      | -                         | 1.7                    | 1.5          | 1.6          | 1.6                       | -                         |
| Women's and children's undergarments .....   | 234                 | 38.4                 | 37.4         | 38.2         | 38.0                      | -                         | 1.9                    | 1.6          | 2.0          | 1.9                       | -                         |
| Women's and children's underwear .....       | 2341                | 38.9                 | 37.9         | 38.8         | 38.4                      | -                         | 1.9                    | 1.5          | 2.1          | 2.0                       | -                         |
| Brassieres and allied garments .....         | 2342                | 35.9                 | 35.1         | 35.3         | 36.0                      | -                         | 2.2                    | 2.1          | 1.4          | 1.6                       | -                         |
| Children's outerwear .....                   | 236                 | 37.6                 | 37.2         | 37.3         | 37.9                      | -                         | 1.8                    | 2.0          | 2.0          | 2.1                       | -                         |
| Children's dresses and blouses .....         | 2361                | 37.3                 | 36.4         | 37.8         | 37.4                      | -                         | 1.7                    | 1.7          | 2.1          | 1.7                       | -                         |
| Misc. apparel and accessories .....          | 238                 | 39.1                 | 38.9         | 38.1         | 37.8                      | -                         | 2.9                    | 2.2          | 2.6          | 2.0                       | -                         |
| Misc. fabricated textile products .....      | 239                 | 39.6                 | 39.7         | 39.6         | 39.6                      | -                         | 3.4                    | 3.4          | 3.4          | 3.3                       | -                         |
| Curtains and draperies .....                 | 2391                | 36.2                 | 36.4         | 36.5         | 37.4                      | -                         | 1.2                    | 1.6          | 2.2          | 2.4                       | -                         |
| House furnishings, nec .....                 | 2392                | 39.6                 | 39.0         | 40.7         | 41.0                      | -                         | 3.2                    | 2.9          | 3.9          | 3.8                       | -                         |
| Automotive and apparel trimmings .....       | 2396                | 43.6                 | 43.4         | 41.5         | 41.5                      | -                         | 7.1                    | 7.0          | 4.5          | 4.5                       | -                         |
| Paper and allied products .....              | 26                  | 43.4                 | 44.0         | 43.5         | 43.7                      | 44.0                      | 5.1                    | 5.3          | 5.4          | 5.2                       | -                         |
| Paper and pulp mills .....                   | 261,2,6             | 45.5                 | 46.2         | 45.3         | 45.2                      | -                         | 6.5                    | 6.9          | 6.6          | 6.3                       | -                         |
| Paper mills, except building paper .....     | 262                 | 45.6                 | 46.4         | 45.7         | 45.5                      | -                         | 6.5                    | 7.1          | 6.8          | 6.5                       | -                         |
| Paperboard mills .....                       | 263                 | 44.4                 | 45.5         | 45.3         | 45.5                      | -                         | 6.7                    | 7.3          | 7.6          | 6.7                       | -                         |
| Misc. converted paper products .....         | 264                 | 41.8                 | 42.2         | 41.9         | 42.4                      | -                         | 4.0                    | 4.1          | 4.3          | 4.3                       | -                         |
| Paper coating and glazing .....              | 2641                | 43.0                 | 44.4         | 42.9         | 44.5                      | -                         | 4.3                    | 4.4          | 3.9          | 4.9                       | -                         |
| Envelopes .....                              | 2642                | 41.2                 | 41.3         | 41.5         | 42.4                      | -                         | 3.3                    | 3.7          | 3.7          | 4.1                       | -                         |
| Bags, except textile bags .....              | 2643                | 41.9                 | 42.6         | 42.5         | 42.6                      | -                         | 4.5                    | 4.8          | 5.0          | 4.7                       | -                         |
| Paperboard containers and boxes .....        | 265                 | 43.1                 | 43.4         | 43.1         | 43.2                      | -                         | 4.8                    | 4.8          | 4.9          | 4.8                       | -                         |
| Folding paperboard boxes .....               | 2651                | 43.0                 | 43.8         | 42.4         | 43.0                      | -                         | 4.7                    | 5.1          | 4.7          | 5.0                       | -                         |
| Corrugated and solid fiber boxes .....       | 2653                | 43.7                 | 43.5         | 44.1         | 44.0                      | -                         | 5.4                    | 4.9          | 5.4          | 5.2                       | -                         |
| Sanitary food containers .....               | 2654                | 42.5                 | 43.6         | 42.0         | 42.3                      | -                         | 3.5                    | 4.4          | 4.5          | 3.9                       | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry                                     | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |              |              |                           |                           |
|--|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Nondurable goods—Continued</b>            |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Food and kindred products—Continued          |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Sugar and confectionery products .....       | 206                 | \$9.33                  | \$9.44       | \$9.41       | \$9.63                    | -                         | \$389.06                | \$387.98     | \$392.40     | \$405.42                  | -                         |
| Cane and beet sugar .....                    | 2061-3              | 10.41                   | 10.80        | 9.95         | 10.66                     | -                         | 462.20                  | 492.48       | 441.78       | 504.22                    | -                         |
| Confectionery products .....                 | 2065                | 8.26                    | 8.22         | 8.52         | 8.47                      | -                         | 332.05                  | 316.47       | 345.91       | 337.95                    | -                         |
| Fats and oils .....                          | 207                 | 9.42                    | 9.62         | 9.85         | 9.86                      | -                         | 418.25                  | 425.20       | 443.25       | 434.83                    | -                         |
| Beverages .....                              | 208                 | 12.43                   | 12.36        | 13.23        | 13.27                     | -                         | 505.90                  | 514.18       | 547.72       | 554.69                    | -                         |
| Malt beverages .....                         | 2082                | 17.26                   | 16.93        | 18.23        | 18.33                     | -                         | 735.28                  | 731.38       | 782.07       | 801.02                    | -                         |
| Bottled and canned soft drinks .....         | 2086                | 9.82                    | 9.96         | 10.34        | 10.46                     | -                         | 388.87                  | 403.38       | 415.67       | 423.63                    | -                         |
| Misc. food and kindred products .....        | 209                 | 8.68                    | 8.58         | 8.87         | 8.90                      | -                         | 333.31                  | 328.61       | 351.25       | 350.66                    | -                         |
| Tobacco manufactures .....                   | 21                  | 14.56                   | 14.31        | 14.91        | 15.02                     | \$15.26                   | 586.77                  | 570.97       | 599.38       | 585.78                    | \$564.62                  |
| Cigarettes .....                             | 211                 | 17.73                   | 18.02        | 19.13        | 18.84                     | -                         | 723.38                  | 726.21       | 767.11       | 734.76                    | -                         |
| Textile mill products .....                  | 22                  | 7.47                    | 7.52         | 7.77         | 7.82                      | 7.86                      | 309.26                  | 308.32       | 317.79       | 319.06                    | 319.90                    |
| Weaving mills, cotton .....                  | 221                 | 7.69                    | 7.74         | 8.05         | 8.08                      | -                         | 317.60                  | 314.24       | 338.10       | 338.55                    | -                         |
| Weaving mills, synthetics .....              | 222                 | 8.04                    | 8.07         | 8.39         | 8.44                      | -                         | 338.48                  | 335.71       | 344.83       | 346.88                    | -                         |
| Weaving and finishing mills, wool .....      | 223                 | 8.18                    | 8.20         | 8.52         | 8.60                      | -                         | 343.56                  | 341.94       | 339.10       | 344.86                    | -                         |
| Narrow fabric mills .....                    | 224                 | 6.91                    | 6.94         | 7.16         | 7.25                      | -                         | 292.29                  | 297.03       | 288.55       | 302.33                    | -                         |
| Knitting mills .....                         | 225                 | 6.73                    | 6.79         | 7.10         | 7.15                      | -                         | 270.55                  | 268.21       | 281.87       | 281.71                    | -                         |
| Women's hosiery, except socks .....          | 2251                | 6.67                    | 6.71         | 6.84         | 6.79                      | -                         | 262.80                  | 269.74       | 266.76       | 264.13                    | -                         |
| Hosiery, nec .....                           | 2252                | 6.51                    | 6.44         | 6.80         | 6.83                      | -                         | 254.54                  | 235.06       | 264.52       | 262.96                    | -                         |
| Knit outerwear mills .....                   | 2253                | 6.34                    | 6.42         | 6.94         | 7.03                      | -                         | 255.50                  | 246.53       | 274.13       | 270.66                    | -                         |
| Knit underwear mills .....                   | 2254                | 6.59                    | 6.56         | 7.08         | 7.23                      | -                         | 258.33                  | 258.46       | 283.91       | 291.37                    | -                         |
| Circular knit fabric mills .....             | 2257                | 7.61                    | 7.78         | 7.75         | 7.78                      | -                         | 311.25                  | 329.87       | 317.75       | 320.54                    | -                         |
| Textile finishing, except wool .....         | 226                 | 7.96                    | 8.01         | 8.24         | 8.26                      | -                         | 337.50                  | 348.44       | 346.08       | 346.92                    | -                         |
| Finishing plants, cotton .....               | 2261                | 7.93                    | 7.98         | 8.18         | 8.19                      | -                         | 344.96                  | 351.12       | 351.74       | 352.17                    | -                         |
| Finishing plants, synthetics .....           | 2262                | 8.19                    | 8.32         | 8.56         | 8.55                      | -                         | 343.16                  | 362.75       | 361.23       | 354.83                    | -                         |
| Floor covering mills .....                   | 227                 | 7.82                    | 7.80         | 7.98         | 8.08                      | -                         | 339.39                  | 329.94       | 335.96       | 340.17                    | -                         |
| Yarn and thread mills .....                  | 228                 | 7.19                    | 7.24         | 7.46         | 7.49                      | -                         | 291.91                  | 294.67       | 304.37       | 303.35                    | -                         |
| Yarn mills, except wool .....                | 2281                | 7.17                    | 7.21         | 7.46         | 7.49                      | -                         | 294.69                  | 296.33       | 309.59       | 305.59                    | -                         |
| Throwing and winding mills .....             | 2282                | 7.27                    | 7.42         | 7.51         | 7.54                      | -                         | 278.44                  | 283.44       | 282.38       | 282.75                    | -                         |
| Miscellaneous textile goods .....            | 229                 | 8.58                    | 8.69         | 8.69         | 8.74                      | -                         | 363.79                  | 371.06       | 365.85       | 367.08                    | -                         |
| Apparel and other textile products .....     | 23                  | 6.25                    | 6.29         | 6.39         | 6.44                      | 6.48                      | 233.13                  | 233.99       | 237.07       | 239.57                    | 237.82                    |
| Men's and boys' suits and coats .....        | 231                 | 7.01                    | 7.01         | 7.23         | 7.28                      | -                         | 259.37                  | 262.88       | 258.83       | 262.81                    | -                         |
| Men's and boys' furnishings .....            | 232                 | 5.69                    | 5.71         | 5.85         | 5.86                      | -                         | 210.53                  | 210.13       | 218.21       | 217.41                    | -                         |
| Men's and boys' shirts and nightwear .....   | 2321                | 5.58                    | 5.61         | 5.77         | 5.81                      | -                         | 208.13                  | 207.57       | 215.22       | 214.97                    | -                         |
| Men's and boys' separate trousers .....      | 2327                | 5.47                    | 5.60         | 5.61         | 5.59                      | -                         | 196.37                  | 204.40       | 199.16       | 201.24                    | -                         |
| Men's and boys' work clothing .....          | 2328                | 5.63                    | 5.68         | 5.73         | 5.78                      | -                         | 202.12                  | 202.78       | 208.57       | 208.08                    | -                         |
| Women's and misses' outerwear .....          | 233                 | 5.99                    | 6.05         | 6.14         | 6.17                      | -                         | 214.44                  | 215.38       | 216.13       | 218.42                    | -                         |
| Women's and misses' blouses and waists ..... | 2331                | 5.14                    | 5.23         | 5.32         | 5.41                      | -                         | 185.55                  | 185.14       | 187.80       | 190.43                    | -                         |
| Women's and misses' dresses .....            | 2335                | 6.42                    | 6.52         | 6.57         | 6.51                      | -                         | 224.70                  | 228.85       | 222.07       | 219.39                    | -                         |
| Women's and misses' suits and coats .....    | 2337                | 6.66                    | 6.62         | 6.60         | 6.70                      | -                         | 240.43                  | 235.67       | 228.36       | 234.50                    | -                         |
| Women's and misses' outerwear, nec .....     | 2339                | 5.88                    | 5.94         | 6.06         | 6.10                      | -                         | 211.68                  | 213.25       | 217.55       | 220.21                    | -                         |
| Women's and children's undergarments .....   | 234                 | 5.78                    | 5.71         | 5.99         | 6.00                      | -                         | 221.95                  | 213.55       | 228.82       | 228.00                    | -                         |
| Women's and children's underwear .....       | 2341                | 5.64                    | 5.57         | 5.83         | 5.85                      | -                         | 219.40                  | 211.10       | 226.20       | 224.64                    | -                         |
| Brassieres and allied garments .....         | 2342                | 6.58                    | 6.49         | 6.88         | 6.79                      | -                         | 236.22                  | 227.80       | 242.86       | 244.44                    | -                         |
| Children's outerwear .....                   | 236                 | 5.55                    | 5.57         | 5.73         | 5.80                      | -                         | 208.68                  | 207.20       | 213.73       | 219.82                    | -                         |
| Children's dresses and blouses .....         | 2361                | 5.62                    | 5.68         | 5.68         | 5.72                      | -                         | 209.63                  | 206.75       | 214.70       | 213.93                    | -                         |
| Misc. apparel and accessories .....          | 238                 | 6.13                    | 6.02         | 6.30         | 6.28                      | -                         | 239.68                  | 234.18       | 240.03       | 237.38                    | -                         |
| Misc. fabricated textile products .....      | 239                 | 7.58                    | 7.66         | 7.59         | 7.69                      | -                         | 300.17                  | 304.10       | 300.56       | 304.52                    | -                         |
| Curtains and draperies .....                 | 2391                | 6.05                    | 6.12         | 6.43         | 6.49                      | -                         | 219.01                  | 222.77       | 234.70       | 242.73                    | -                         |
| House furnishings, nec .....                 | 2392                | 6.29                    | 6.31         | 6.43         | 6.50                      | -                         | 249.08                  | 246.09       | 261.70       | 266.50                    | -                         |
| Automotive and apparel trimmings .....       | 2396                | 11.75                   | 11.99        | 11.60        | 11.67                     | -                         | 512.30                  | 520.37       | 481.40       | 484.31                    | -                         |
| Paper and allied products .....              | 26                  | 11.74                   | 11.81        | 11.97        | 12.07                     | 12.03                     | 509.52                  | 519.64       | 520.70       | 527.46                    | 529.32                    |
| Paper and pulp mills .....                   | 261,2,6             | 14.53                   | 14.50        | 14.86        | 14.96                     | -                         | 661.12                  | 669.90       | 673.16       | 676.19                    | -                         |
| Paper mills, except building paper .....     | 262                 | 14.57                   | 14.52        | 14.87        | 15.00                     | -                         | 664.39                  | 673.73       | 679.56       | 682.50                    | -                         |
| Paperboard mills .....                       | 263                 | 14.58                   | 14.70        | 14.93        | 15.12                     | -                         | 647.35                  | 668.85       | 676.33       | 687.96                    | -                         |
| Misc. converted paper products .....         | 264                 | 10.13                   | 10.27        | 10.39        | 10.52                     | -                         | 423.43                  | 433.39       | 435.34       | 446.05                    | -                         |
| Paper coating and glazing .....              | 2641                | 11.31                   | 11.44        | 11.65        | 11.78                     | -                         | 486.33                  | 507.94       | 499.79       | 524.21                    | -                         |
| Envelopes .....                              | 2642                | 9.60                    | 9.75         | 9.83         | 9.90                      | -                         | 395.52                  | 402.68       | 407.95       | 419.76                    | -                         |
| Bags, except textile bags .....              | 2643                | 9.46                    | 9.43         | 9.74         | 9.75                      | -                         | 396.37                  | 401.72       | 413.95       | 415.35                    | -                         |
| Paperboard containers and boxes .....        | 265                 | 10.05                   | 10.08        | 10.15        | 10.21                     | -                         | 433.16                  | 437.47       | 437.47       | 441.07                    | -                         |
| Folding paperboard boxes .....               | 2651                | 10.47                   | 10.57        | 10.60        | 10.77                     | -                         | 450.21                  | 462.97       | 449.44       | 463.11                    | -                         |
| Corrugated and solid fiber boxes .....       | 2653                | 10.23                   | 10.24        | 10.33        | 10.37                     | -                         | 447.05                  | 445.44       | 455.55       | 456.28                    | -                         |
| Sanitary food containers .....               | 2654                | 9.86                    | 9.95         | 10.12        | 10.05                     | -                         | 419.05                  | 433.82       | 425.04       | 425.12                    | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|---|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Nondurable goods—Continued</b>                                   |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Printing and publishing .....                                       | 27                  | 38.1                 | 38.4         | 37.9         | 38.1                      | 38.3                      | 3.3                    | 3.2          | 3.1          | 3.2                       | -                         |
| Newspapers .....  | 271                 | 34.0                 | 33.8         | 33.5         | 34.1                      | -                         | 1.8                    | 1.5          | 1.4          | 1.8                       | -                         |
| Periodicals .....   | 272                 | 38.2                 | 38.3         | 38.0         | 38.5                      | -                         | 3.1                    | 3.0          | 3.7          | 3.5                       | -                         |
| Books .....   | 273                 | 38.3                 | 39.3         | 38.3         | 38.4                      | -                         | 3.1                    | 3.6          | 2.9          | 2.6                       | -                         |
| Book publishing .....   | 2731                | 37.4                 | 38.4         | 38.0         | 38.3                      | -                         | 2.1                    | 2.7          | 2.1          | 2.2                       | -                         |
| Book printing .....   | 2732                | 39.6                 | 40.7         | 38.9         | 38.6                      | -                         | 4.7                    | 4.9          | 4.1          | 3.3                       | -                         |
| Miscellaneous publishing .....                                      | 274                 | 36.3                 | 36.8         | 35.6         | 36.4                      | -                         | 2.5                    | 2.1          | 1.8          | 2.1                       | -                         |
| Commercial printing .....   | 275                 | 39.5                 | 39.8         | 39.4         | 39.4                      | -                         | 3.8                    | 3.8          | 3.7          | 3.7                       | -                         |
| Commercial printing, letterpress .....                              | 2751                | 39.4                 | 39.8         | 39.3         | 39.3                      | -                         | 3.3                    | 3.3          | 3.3          | 3.4                       | -                         |
| Commercial printing, lithographic .....                             | 2752                | 39.4                 | 39.6         | 39.3         | 39.3                      | -                         | 4.0                    | 3.9          | 3.8          | 3.8                       | -                         |
| Manifold business forms .....                                       | 276                 | 41.8                 | 42.5         | 41.8         | 42.8                      | -                         | 4.2                    | 4.8          | 4.1          | 4.2                       | -                         |
| Blankbooks and bookbinding .....                                    | 278                 | 39.3                 | 40.2         | 37.1         | 37.3                      | -                         | 3.4                    | 3.4          | 3.0          | 2.6                       | -                         |
| Printing trade services .....                                       | 279                 | 38.6                 | 38.7         | 39.5         | 39.1                      | -                         | 4.1                    | 3.8          | 4.4          | 4.1                       | -                         |
| Chemicals and allied products .....                                 | 28                  | 42.6                 | 42.9         | 42.3         | 42.7                      | 43.4                      | 4.1                    | 4.2          | 4.4          | 4.4                       | -                         |
| Industrial inorganic chemicals .....                                | 281                 | 43.0                 | 43.7         | 42.8         | 42.9                      | -                         | 4.5                    | 4.4          | 4.4          | 4.5                       | -                         |
| Industrial inorganic chemicals, nec .....                           | 2819                | 42.9                 | 43.9         | 42.2         | 42.0                      | -                         | 4.4                    | 4.3          | 4.3          | 4.2                       | -                         |
| Plastics materials and synthetics .....                             | 282                 | 43.7                 | 43.7         | 42.9         | 43.3                      | -                         | 5.0                    | 5.0          | 4.9          | 4.9                       | -                         |
| Plastics materials and resins .....                                 | 2821                | 44.4                 | 44.2         | 43.8         | 44.2                      | -                         | 5.4                    | 5.4          | 5.4          | 5.2                       | -                         |
| Organic fibers, noncellulosic .....                                 | 2824                | 43.3                 | 43.7         | 42.6         | 42.9                      | -                         | 4.6                    | 4.7          | 4.3          | 4.4                       | -                         |
| Drugs .....   | 283                 | 41.2                 | 42.2         | 41.5         | 42.2                      | -                         | 3.6                    | 3.9          | 3.9          | 4.1                       | -                         |
| Pharmaceutical preparations .....                                   | 2834                | 41.0                 | 41.9         | 41.4         | 42.4                      | -                         | 3.6                    | 3.8          | 3.8          | 4.1                       | -                         |
| Soap, cleaners, and toilet goods .....                              | 284                 | 40.5                 | 40.8         | 39.7         | 40.5                      | -                         | 2.5                    | 2.7          | 2.8          | 2.9                       | -                         |
| Soap and other detergents .....                                     | 2841                | 43.4                 | 43.6         | 42.2         | 42.0                      | -                         | 4.3                    | 4.2          | 4.9          | 4.6                       | -                         |
| Polishing, sanitation, and finishing preparations .....             | 2842,3              | 40.6                 | 42.0         | 41.1         | 41.8                      | -                         | 2.5                    | 3.3          | 3.7          | 2.7                       | -                         |
| Toilet preparations .....   | 2844                | 38.8                 | 38.5         | 37.5         | 38.9                      | -                         | 1.5                    | 1.6          | 1.2          | 2.0                       | -                         |
| Paints and allied products .....                                    | 285                 | 41.8                 | 42.2         | 41.5         | 42.2                      | -                         | 3.2                    | 3.4          | 3.8          | 3.9                       | -                         |
| Industrial organic chemicals .....                                  | 286                 | 44.7                 | 44.7         | 44.8         | 44.4                      | -                         | 5.5                    | 5.6          | 5.8          | 5.6                       | -                         |
| Cyclic crudes and intermediates .....                               | 2865                | 42.4                 | 42.9         | 43.6         | 44.5                      | -                         | 4.4                    | 4.8          | 5.7          | 5.4                       | -                         |
| Gum, wood, and industrial organic chemicals, nec .....              | 2861,9              | 45.4                 | 45.2         | 45.1         | 44.4                      | -                         | 5.8                    | 5.8          | 5.8          | 5.7                       | -                         |
| Agricultural chemicals .....  | 287                 | 43.5                 | 44.2         | 43.6         | 43.3                      | -                         | 4.8                    | 5.0          | 5.5          | 4.8                       | -                         |
| Miscellaneous chemical products .....                               | 289                 | 42.5                 | 42.9         | 42.6         | 42.6                      | -                         | 3.9                    | 3.9          | 4.3          | 3.9                       | -                         |
| Petroleum and coal products .....                                   | 29                  | 44.2                 | 44.3         | 45.1         | 44.5                      | 42.5                      | 5.4                    | 5.2          | 6.8          | 6.2                       | -                         |
| Petroleum refining .....  | 291                 | 44.6                 | 44.8         | 44.5         | 44.4                      | -                         | 5.2                    | 5.3          | 6.0          | 5.7                       | -                         |
| Paving and roofing materials .....                                  | 295                 | 43.6                 | 43.1         | 48.7         | 46.5                      | -                         | 6.7                    | 5.4          | 10.8         | 9.0                       | -                         |
| Rubber and misc. plastics products .....                            | 30                  | 42.0                 | 42.1         | 41.5         | 41.6                      | 41.7                      | 4.4                    | 4.4          | 3.9          | 3.9                       | -                         |
| Tires and inner tubes .....   | 301                 | 45.2                 | 45.5         | 43.3         | 43.3                      | -                         | 6.4                    | 6.6          | 4.7          | 5.0                       | -                         |
| Rubber and plastics footwear .....                                  | 302                 | 40.3                 | 40.7         | 42.6         | 42.1                      | -                         | 2.3                    | 2.3          | 3.2          | 3.3                       | -                         |
| Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 303,4               | 43.9                 | 44.2         | 42.0         | 43.1                      | -                         | 4.1                    | 4.4          | 4.1          | 4.2                       | -                         |
| Fabricated rubber products, nec .....                               | 306                 | 41.8                 | 41.9         | 41.8         | 41.7                      | -                         | 3.9                    | 3.8          | 3.6          | 3.6                       | -                         |
| Miscellaneous plastics products .....                               | 307                 | 41.5                 | 41.6         | 41.2         | 41.3                      | -                         | 4.2                    | 4.3          | 3.9          | 3.8                       | -                         |
| Leather and leather products .....                                  | 31                  | 37.4                 | 38.3         | 37.9         | 37.4                      | 38.3                      | 2.1                    | 2.0          | 2.3          | 2.0                       | -                         |
| Leather tanning and finishing .....                                 | 311                 | 40.7                 | 41.5         | 41.6         | 41.8                      | -                         | 3.9                    | 4.8          | 4.2          | 4.3                       | -                         |
| Footwear, except rubber .....                                       | 314                 | 36.7                 | 38.1         | 37.0         | 36.4                      | -                         | 1.5                    | 1.6          | 1.4          | 1.4                       | -                         |
| Men's footwear, except athletic .....                               | 3143                | 35.9                 | 37.6         | 37.4         | 35.9                      | -                         | 1.0                    | 1.2          | 1.2          | 1.0                       | -                         |
| Women's footwear, except athletic .....                             | 3144                | 36.9                 | 39.0         | 36.1         | 36.5                      | -                         | 2.2                    | 1.9          | 1.5          | 1.8                       | -                         |
| Luggage .....   | 316                 | 39.2                 | 38.5         | 40.0         | 41.9                      | -                         | 3.8                    | 1.9          | 3.3          | 2.2                       | -                         |
| Handbags and personal leather goods .....                           | 317                 | 36.8                 | 35.9         | 37.9         | 35.6                      | -                         | 2.2                    | 2.2          | 4.6          | 3.4                       | -                         |
| <b>Transportation and public utilities .....</b>                    |                     | <b>39.3</b>          | <b>39.5</b>  | <b>39.4</b>  | <b>39.1</b>               | <b>39.3</b>               | -                      | -            | -            | -                         | -                         |
| Railroad transportation:  |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Class I railroads <sup>3</sup> .....                                | 4011                | 46.0                 | 45.5         | 42.5         | 43.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Local and interurban passenger transit .....                        | 41                  | 33.9                 | 34.4         | 33.9         | 33.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Local and suburban transportation .....                             | 411                 | 38.4                 | 38.6         | 38.2         | 38.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Intercity highway transportation .....                              | 413                 | 39.3                 | 39.3         | 40.3         | 39.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Trucking and warehousing .....                                      | 42                  | 38.3                 | 39.2         | 39.1         | 38.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Trucking and trucking terminals .....                               | 421,3               | 38.1                 | 39.1         | 38.9         | 38.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Public warehousing .....  | 422                 | 40.3                 | 40.1         | 40.8         | 40.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Pipe lines, except natural gas .....                                | 46                  | 41.0                 | 42.6         | 40.7         | 40.9                      | -                         | -                      | -            | -            | -                         | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry  | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |               |               |                           |                           |
|---|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|---------------|---------------|---------------------------|---------------------------|
|   |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> | Nov.<br>1988            | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>a</sup> | Dec.<br>1989 <sup>a</sup> |
| <b>Nondurable goods—Continued</b>                                   |                     |                         |              |              |                           |                           |                         |               |               |                           |                           |
| Printing and publishing .....                                       | 27                  | \$10.67                 | \$10.70      | \$11.04      | \$11.04                   | \$11.12                   | \$406.53                | \$410.88      | \$418.42      | \$420.62                  | \$425.90                  |
| Newspapers .....  | 271                 | 10.63                   | 10.71        | 10.90        | 10.91                     | -                         | 361.42                  | 362.00        | 365.15        | 372.03                    | -                         |
| Periodicals .....   | 272                 | 11.23                   | 11.30        | 11.94        | 11.72                     | -                         | 428.99                  | 432.79        | 453.72        | 451.22                    | -                         |
| Books .....   | 273                 | 9.68                    | 9.61         | 10.08        | 10.02                     | -                         | 370.74                  | 377.67        | 386.06        | 384.77                    | -                         |
| Book publishing .....   | 2731                | 9.38                    | 9.31         | 9.76         | 9.71                      | -                         | 350.81                  | 357.50        | 370.88        | 371.89                    | -                         |
| Book printing .....   | 2732                | 10.11                   | 10.02        | 10.53        | 10.48                     | -                         | 400.36                  | 407.81        | 409.62        | 404.53                    | -                         |
| Miscellaneous publishing .....                                      | 274                 | 9.98                    | 10.00        | 10.18        | 10.26                     | -                         | 362.27                  | 368.00        | 362.41        | 373.46                    | -                         |
| Commercial printing .....   | 275                 | 10.93                   | 10.95        | 11.31        | 11.29                     | -                         | 431.74                  | 435.81        | 445.61        | 444.83                    | -                         |
| Commercial printing, letterpress .....                              | 2751                | 10.47                   | 10.49        | 10.98        | 11.03                     | -                         | 412.52                  | 417.50        | 431.51        | 433.48                    | -                         |
| Commercial printing, lithographic .....                             | 2752                | 11.08                   | 11.10        | 11.40        | 11.37                     | -                         | 436.55                  | 439.56        | 448.02        | 446.84                    | -                         |
| Manifold business forms .....                                       | 276                 | 11.04                   | 11.24        | 11.37        | 11.41                     | -                         | 461.47                  | 477.70        | 475.27        | 488.35                    | -                         |
| Blankbooks and bookbinding .....                                    | 278                 | 8.50                    | 8.58         | 8.85         | 8.80                      | -                         | 334.05                  | 344.92        | 328.34        | 328.24                    | -                         |
| Printing trade services .....                                       | 279                 | 13.14                   | 13.19        | 13.37        | 13.57                     | -                         | 507.20                  | 510.45        | 528.12        | 530.59                    | -                         |
| Chemicals and allied products .....                                 | 28                  | 12.86                   | 12.90        | 13.25        | 13.26                     | 13.28                     | 547.84                  | 553.41        | 560.48        | 566.20                    | 576.35                    |
| Industrial inorganic chemicals .....                                | 281                 | 14.06                   | 14.01        | 14.27        | 14.39                     | -                         | 604.58                  | 612.24        | 610.76        | 617.33                    | -                         |
| Industrial inorganic chemicals, nec .....                           | 2819                | 14.05                   | 13.99        | 14.46        | 14.54                     | -                         | 602.75                  | 614.16        | 610.21        | 610.68                    | -                         |
| Plastics materials and synthetics .....                             | 282                 | 13.31                   | 13.22        | 13.51        | 13.63                     | -                         | 581.65                  | 577.71        | 579.58        | 590.18                    | -                         |
| Plastics materials and resins .....                                 | 2821                | 14.24                   | 14.22        | 14.56        | 14.49                     | -                         | 632.26                  | 628.52        | 637.73        | 640.46                    | -                         |
| Organic fibers, noncellulosic .....                                 | 2824                | 12.54                   | 12.39        | 12.59        | 12.90                     | -                         | 542.98                  | 541.44        | 536.33        | 553.41                    | -                         |
| Drugs .....   | 283                 | 12.39                   | 12.44        | 12.75        | 12.74                     | -                         | 510.47                  | 524.97        | 529.13        | 537.63                    | -                         |
| Pharmaceutical preparations .....                                   | 2834                | 12.08                   | 12.18        | 12.73        | 12.71                     | -                         | 495.28                  | 510.34        | 527.02        | 538.90                    | -                         |
| Soap, cleaners, and toilet goods .....                              | 284                 | 11.09                   | 11.26        | 11.44        | 11.44                     | -                         | 449.15                  | 459.41        | 454.17        | 463.32                    | -                         |
| Soap and other detergents .....                                     | 2841                | 14.75                   | 14.97        | 15.24        | 15.04                     | -                         | 640.15                  | 652.69        | 643.13        | 631.68                    | -                         |
| Polishing, sanitation, and finishing preparations .....             | 2842,3              | 10.23                   | 10.25        | 10.36        | 10.14                     | -                         | 415.34                  | 430.50        | 425.80        | 423.85                    | -                         |
| Toilet preparations .....   | 2844                | 9.29                    | 9.48         | 9.56         | 9.82                      | -                         | 360.45                  | 364.98        | 358.50        | 382.00                    | -                         |
| Paints and allied products .....                                    | 285                 | 11.42                   | 11.49        | 11.68        | 11.79                     | -                         | 477.36                  | 484.88        | 484.72        | 497.54                    | -                         |
| Industrial organic chemicals .....                                  | 286                 | 15.18                   | 15.22        | 15.82        | 15.79                     | -                         | 678.55                  | 680.33        | 708.74        | 701.08                    | -                         |
| Cyclic crudes and intermediates .....                               | 2865                | 14.57                   | 14.68        | 15.65        | 15.73                     | -                         | 617.77                  | 629.77        | 682.34        | 699.99                    | -                         |
| Gum, wood, and industrial organic chemicals, nec .....              | 2861,9              | 15.34                   | 15.36        | 15.87        | 15.81                     | -                         | 696.44                  | 694.27        | 715.74        | 701.96                    | -                         |
| Agricultural chemicals .....  | 287                 | 12.61                   | 12.73        | 13.27        | 13.01                     | -                         | 548.54                  | 562.67        | 578.57        | 563.33                    | -                         |
| Miscellaneous chemical products .....                               | 289                 | 11.65                   | 11.82        | 12.05        | 12.01                     | -                         | 495.13                  | 507.08        | 513.33        | 511.63                    | -                         |
| Petroleum and coal products .....                                   | 29                  | 15.18                   | 15.21        | 15.63        | 15.64                     | 15.64                     | 670.96                  | 673.80        | 704.91        | 695.98                    | 664.70                    |
| Petroleum refining .....  | 291                 | 16.39                   | 16.38        | 16.81        | 16.79                     | -                         | 730.99                  | 733.82        | 748.05        | 745.48                    | -                         |
| Paving and roofing materials .....                                  | 295                 | 11.76                   | 11.50        | 12.89        | 12.78                     | -                         | 512.74                  | 495.65        | 627.74        | 594.27                    | -                         |
| Rubber and misc. plastics products .....                            | 30                  | 9.26                    | 9.31         | 9.47         | 9.50                      | 9.57                      | 388.92                  | 391.95        | 393.01        | 395.20                    | 399.07                    |
| Tires and inner tubes .....   | 301                 | 14.59                   | 14.66        | 15.20        | 15.14                     | -                         | 659.47                  | 667.03        | 658.16        | 655.56                    | -                         |
| Rubber and plastics footwear .....                                  | 302                 | 6.56                    | 6.50         | 6.54         | 6.70                      | -                         | 264.37                  | 264.55        | 278.60        | 282.07                    | -                         |
| Reclaimed rubber, and rubber and plastics hose<br>and belting ..... | 303,4               | 9.38                    | 9.31         | 9.52         | 9.65                      | -                         | 411.78                  | 411.50        | 399.84        | 415.92                    | -                         |
| Fabricated rubber products, nec .....                               | 306                 | 8.81                    | 8.77         | 9.00         | 9.09                      | -                         | 368.26                  | 367.46        | 376.20        | 379.05                    | -                         |
| Miscellaneous plastics products .....                               | 307                 | 8.62                    | 8.69         | 8.82         | 8.84                      | -                         | 357.73                  | 361.50        | 363.38        | 365.09                    | -                         |
| Leather and leather products .....                                  | 31                  | 6.41                    | 6.44         | 6.64         | 6.67                      | 6.57                      | 239.73                  | 246.65        | 251.66        | 249.46                    | 251.63                    |
| Leather tanning and finishing .....                                 | 311                 | 8.49                    | 8.69         | 8.73         | 8.83                      | -                         | 345.54                  | 360.64        | 363.17        | 369.09                    | -                         |
| Footwear, except rubber .....                                       | 314                 | 6.17                    | 6.14         | 6.33         | 6.37                      | -                         | 226.44                  | 233.93        | 234.21        | 231.87                    | -                         |
| Men's footwear, except athletic .....                               | 3143                | 6.63                    | 6.55         | 6.75         | 6.84                      | -                         | 238.02                  | 246.28        | 252.45        | 245.56                    | -                         |
| Women's footwear, except athletic .....                             | 3144                | 5.86                    | 5.86         | 5.97         | 5.95                      | -                         | 216.23                  | 228.54        | 215.52        | 217.18                    | -                         |
| Luggage .....   | 316                 | 6.20                    | 6.41         | 6.80         | 6.68                      | -                         | 243.04                  | 246.79        | 272.00        | 279.89                    | -                         |
| Handbags and personal leather goods .....                           | 317                 | 6.01                    | 5.92         | 6.06         | 6.25                      | -                         | 221.17                  | 212.53        | 229.67        | 222.50                    | -                         |
| <b>Transportation and public utilities .....</b>                    |                     | <b>12.46</b>            | <b>12.42</b> | <b>12.69</b> | <b>12.71</b>              | <b>12.74</b>              | <b>489.68</b>           | <b>490.59</b> | <b>499.99</b> | <b>496.96</b>             | <b>500.68</b>             |
| Railroad transportation:  |                     |                         |              |              |                           |                           |                         |               |               |                           |                           |
| Class I railroads <sup>3</sup> .....                                | 4011                | 15.11                   | 15.28        | 16.10        | 16.30                     | -                         | 695.06                  | 695.24        | 684.25        | 712.31                    | -                         |
| Local and interurban passenger transit .....                        | 41                  | 8.64                    | 8.66         | 8.99         | 9.07                      | -                         | 292.90                  | 297.90        | 304.76        | 306.57                    | -                         |
| Local and suburban transportation .....                             | 411                 | 9.29                    | 9.40         | 9.67         | 9.81                      | -                         | 356.74                  | 362.84        | 369.39        | 378.67                    | -                         |
| Intercity highway transportation .....                              | 413                 | 11.37                   | 11.39        | 11.57        | 11.81                     | -                         | 446.84                  | 447.63        | 466.27        | 465.31                    | -                         |
| Trucking and warehousing .....                                      | 42                  | 11.09                   | 11.13        | 11.50        | 11.54                     | -                         | 424.75                  | 436.30        | 449.65        | 443.14                    | -                         |
| Trucking and trucking terminals .....                               | 421,3               | 11.28                   | 11.29        | 11.72        | 11.74                     | -                         | 429.77                  | 441.44        | 455.91        | 448.47                    | -                         |
| Public warehousing .....  | 422                 | 8.94                    | 9.07         | 8.96         | 9.19                      | -                         | 360.28                  | 363.71        | 365.57        | 372.20                    | -                         |
| Pipe lines, except natural gas .....                                | 46                  | 15.94                   | 16.24        | 16.51        | 16.46                     | -                         | 653.54                  | 691.82        | 671.96        | 673.21                    | -                         |

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry   | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|--|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Transportation and public utilities—Continued</b> |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Communication .....                                  | 48                  | 39.7                 | 39.2         | 39.2         | 39.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Telephone communication .....                        | 481                 | 41.2                 | 40.5         | 40.7         | 40.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Radio and television broadcasting .....              | 483                 | 35.6                 | 35.6         | 35.6         | 35.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Electric, gas, and sanitary services .....           | 49                  | 42.0                 | 41.9         | 42.3         | 42.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Electric services .....                              | 491                 | 42.0                 | 41.9         | 42.2         | 41.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Gas production and distribution .....                | 492                 | 41.6                 | 42.0         | 43.0         | 42.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Combination utility services .....                   | 493                 | 42.6                 | 42.4         | 42.7         | 43.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Sanitary services .....                              | 495                 | 42.0                 | 41.5         | 42.1         | 41.8                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Wholesale trade .....</b>                         |                     | <b>38.0</b>          | <b>38.2</b>  | <b>38.3</b>  | <b>38.1</b>               | <b>38.2</b>               | -                      | -            | -            | -                         | -                         |
| Durable goods .....                                  | 50                  | 38.4                 | 38.7         | 38.7         | 38.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Motor vehicles and automotive equipment .....        | 501                 | 37.8                 | 38.1         | 37.7         | 37.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Furniture and home furnishings .....                 | 502                 | 37.0                 | 37.9         | 36.9         | 37.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Lumber and construction materials .....              | 503                 | 39.2                 | 39.3         | 39.8         | 39.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Sporting goods, toys, and hobby goods .....          | 504                 | 35.7                 | 35.8         | 36.0         | 35.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Metals and minerals, except petroleum .....          | 505                 | 40.4                 | 40.9         | 40.3         | 40.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Electrical goods .....                               | 506                 | 37.8                 | 38.1         | 38.5         | 38.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Hardware, plumbing, and heating equipment .....      | 507                 | 38.7                 | 38.7         | 38.9         | 38.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Machinery, equipment, and supplies .....             | 508                 | 38.8                 | 39.0         | 39.1         | 38.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Miscellaneous durable goods .....                    | 509                 | 38.5                 | 38.3         | 38.1         | 38.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Nondurable goods .....                               | 51                  | 37.3                 | 37.5         | 37.7         | 37.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Paper and paper products .....                       | 511                 | 36.6                 | 37.2         | 37.3         | 37.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Drugs, proprietaries, and sundries .....             | 512                 | 37.0                 | 37.0         | 37.6         | 37.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Apparel, piece goods, and notions .....              | 513                 | 36.9                 | 36.8         | 36.2         | 36.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Groceries and related products .....                 | 514                 | 37.9                 | 38.1         | 38.2         | 38.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Chemicals and allied products .....                  | 516                 | 39.8                 | 39.9         | 39.5         | 39.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Petroleum and petroleum products .....               | 517                 | 38.2                 | 38.5         | 38.5         | 38.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Beer, wine, and distilled beverages .....            | 518                 | 36.0                 | 36.6         | 36.3         | 36.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Miscellaneous nondurable goods .....                 | 519                 | 36.4                 | 36.7         | 37.1         | 36.6                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Retail trade .....</b>                            |                     | <b>28.8</b>          | <b>29.6</b>  | <b>28.9</b>  | <b>28.6</b>               | <b>29.0</b>               | -                      | -            | -            | -                         | -                         |
| Building materials and garden supplies .....         | 52                  | 36.3                 | 36.3         | 36.2         | 36.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Lumber and other building materials .....            | 521                 | 38.1                 | 37.9         | 38.2         | 37.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Hardware stores .....                                | 525                 | 32.5                 | 33.2         | 32.0         | 31.9                      | -                         | -                      | -            | -            | -                         | -                         |
| General merchandise stores .....                     | 53                  | 27.4                 | 30.4         | 27.6         | 27.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Department stores .....                              | 531                 | 27.0                 | 30.1         | 27.5         | 27.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Variety stores .....                                 | 533                 | 29.0                 | 33.1         | 28.0         | 28.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Misc. general merchandise stores .....               | 539                 | 29.2                 | 31.2         | 28.3         | 28.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Food stores .....                                    | 54                  | 29.9                 | 30.0         | 29.6         | 29.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Grocery stores .....                                 | 541                 | 30.1                 | 30.0         | 29.7         | 29.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Retail bakeries .....                                | 546                 | 28.9                 | 29.9         | 29.0         | 28.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Automotive dealers and service stations .....        | 55                  | 36.2                 | 36.3         | 36.2         | 36.0                      | -                         | -                      | -            | -            | -                         | -                         |
| New and used car dealers .....                       | 551,2               | 37.1                 | 37.1         | 36.9         | 36.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Auto and home supply stores .....                    | 553                 | 38.4                 | 38.4         | 38.4         | 38.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Gasoline service stations .....                      | 554                 | 33.8                 | 34.0         | 34.0         | 33.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Apparel and accessory stores .....                   | 56                  | 26.8                 | 28.0         | 26.8         | 26.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Men's and boys' clothing and furnishings .....       | 561                 | 28.3                 | 30.4         | 28.0         | 27.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Women's ready-to-wear stores .....                   | 562                 | 24.8                 | 25.8         | 24.4         | 23.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Family clothing stores .....                         | 565                 | 27.0                 | 28.0         | 27.0         | 26.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Shoe stores .....                                    | 566                 | 28.5                 | 29.8         | 29.0         | 29.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Furniture and home furnishings stores .....          | 57                  | 32.7                 | 33.7         | 33.0         | 32.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Furniture and home furnishings stores .....          | 571                 | 33.5                 | 33.9         | 33.6         | 33.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Household appliance stores .....                     | 572                 | 33.3                 | 34.9         | 33.2         | 33.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Radio, television, and music stores .....            | 573                 | 31.0                 | 32.9         | 31.8         | 31.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Eating and drinking places <sup>4</sup> .....        | 58                  | 25.4                 | 25.5         | 25.5         | 25.0                      | -                         | -                      | -            | -            | -                         | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry   | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |               |               |                           |                           |
|--|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|---------------|---------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988            | Dec.<br>1988  | Oct.<br>1989  | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Transportation and public utilities—Continued</b> |                     |                         |              |              |                           |                           |                         |               |               |                           |                           |
| Communication .....                                  | 48                  | \$12.96                 | \$12.90      | \$13.09      | \$13.13                   | -                         | \$514.51                | \$505.68      | \$513.13      | \$512.07                  | -                         |
| Telephone communication .....                        | 481                 | 13.66                   | 13.60        | 13.79        | 13.79                     | -                         | 562.79                  | 550.80        | 561.25        | 557.12                    | -                         |
| Radio and television broadcasting .....              | 483                 | 11.84                   | 11.86        | 12.27        | 12.52                     | -                         | 421.50                  | 422.22        | 436.81        | 438.20                    | -                         |
| Electric, gas, and sanitary services .....           | 49                  | 14.64                   | 14.63        | 15.06        | 15.04                     | -                         | 614.88                  | 613.00        | 637.04        | 636.19                    | -                         |
| Electric services .....                              | 491                 | 14.79                   | 14.69        | 15.42        | 15.44                     | -                         | 621.18                  | 615.51        | 650.72        | 646.94                    | -                         |
| Gas production and distribution .....                | 492                 | 13.62                   | 13.65        | 14.22        | 14.00                     | -                         | 566.59                  | 573.30        | 611.46        | 599.20                    | -                         |
| Combination utility services .....                   | 493                 | 17.26                   | 17.42        | 17.44        | 17.41                     | -                         | 735.28                  | 738.61        | 744.69        | 752.11                    | -                         |
| Sanitary services .....                              | 495                 | 11.32                   | 11.29        | 11.48        | 11.50                     | -                         | 475.44                  | 468.54        | 483.31        | 480.70                    | -                         |
| <b>Wholesale trade .....</b>                         |                     | <b>10.07</b>            | <b>10.14</b> | <b>10.50</b> | <b>10.55</b>              | <b>\$10.60</b>            | <b>382.66</b>           | <b>387.35</b> | <b>402.15</b> | <b>401.96</b>             | <b>\$404.92</b>           |
| Durable goods .....                                  | 50                  | 10.30                   | 10.35        | 10.80        | 10.82                     | -                         | 395.52                  | 400.55        | 417.96        | 416.57                    | -                         |
| Motor vehicles and automotive equipment .....        | 501                 | 9.32                    | 9.40         | 9.86         | 9.93                      | -                         | 352.30                  | 358.14        | 371.72        | 374.36                    | -                         |
| Furniture and home furnishings .....                 | 502                 | 9.40                    | 9.48         | 9.96         | 9.91                      | -                         | 347.80                  | 359.29        | 367.52        | 366.67                    | -                         |
| Lumber and construction materials .....              | 503                 | 9.78                    | 9.86         | 10.24        | 10.31                     | -                         | 383.38                  | 387.50        | 407.55        | 408.28                    | -                         |
| Sporting goods, toys, and hobby goods .....          | 504                 | 9.27                    | 9.25         | 10.28        | 10.19                     | -                         | 330.94                  | 331.15        | 370.08        | 357.67                    | -                         |
| Metals and minerals, except petroleum .....          | 505                 | 10.66                   | 10.84        | 11.03        | 11.01                     | -                         | 430.66                  | 443.36        | 444.51        | 443.70                    | -                         |
| Electrical goods .....                               | 506                 | 10.82                   | 10.84        | 11.13        | 11.11                     | -                         | 409.00                  | 413.00        | 428.51        | 425.51                    | -                         |
| Hardware, plumbing, and heating equipment .....      | 507                 | 9.55                    | 9.64         | 10.22        | 10.17                     | -                         | 369.59                  | 373.07        | 397.56        | 393.58                    | -                         |
| Machinery, equipment, and supplies .....             | 508                 | 11.06                   | 11.07        | 11.56        | 11.61                     | -                         | 429.13                  | 431.73        | 452.00        | 451.63                    | -                         |
| Miscellaneous durable goods .....                    | 509                 | 8.10                    | 8.25         | 8.53         | 8.59                      | -                         | 311.85                  | 315.98        | 324.99        | 326.42                    | -                         |
| Nondurable goods .....                               | 51                  | 9.75                    | 9.84         | 10.06        | 10.14                     | -                         | 363.68                  | 369.00        | 379.26        | 380.25                    | -                         |
| Paper and paper products .....                       | 511                 | 10.65                   | 10.67        | 11.20        | 11.23                     | -                         | 389.79                  | 396.92        | 417.76        | 420.00                    | -                         |
| Drugs, proprietaries, and sundries .....             | 512                 | 11.21                   | 11.29        | 11.69        | 11.68                     | -                         | 414.77                  | 417.73        | 439.54        | 440.34                    | -                         |
| Apparel, piece goods, and notions .....              | 513                 | 9.43                    | 9.50         | 9.83         | 9.90                      | -                         | 347.97                  | 349.60        | 355.85        | 358.38                    | -                         |
| Groceries and related products .....                 | 514                 | 9.91                    | 9.98         | 10.15        | 10.25                     | -                         | 375.59                  | 380.24        | 387.73        | 391.55                    | -                         |
| Chemicals and allied products .....                  | 516                 | 12.32                   | 12.34        | 12.60        | 12.54                     | -                         | 490.34                  | 492.37        | 497.70        | 494.08                    | -                         |
| Petroleum and petroleum products .....               | 517                 | 9.83                    | 9.94         | 10.05        | 10.02                     | -                         | 375.51                  | 382.69        | 386.93        | 380.76                    | -                         |
| Beer, wine, and distilled beverages .....            | 518                 | 11.32                   | 11.61        | 11.75        | 11.85                     | -                         | 407.52                  | 424.93        | 426.53        | 426.60                    | -                         |
| Miscellaneous nondurable goods .....                 | 519                 | 7.98                    | 8.07         | 8.36         | 8.39                      | -                         | 290.47                  | 296.17        | 310.16        | 307.07                    | -                         |
| <b>Retail trade .....</b>                            |                     | <b>6.43</b>             | <b>6.43</b>  | <b>6.62</b>  | <b>6.63</b>               | <b>6.65</b>               | <b>185.18</b>           | <b>190.33</b> | <b>191.32</b> | <b>189.62</b>             | <b>192.85</b>             |
| Building materials and garden supplies .....         | 52                  | 7.53                    | 7.57         | 7.81         | 7.82                      | -                         | 273.34                  | 274.79        | 282.72        | 281.52                    | -                         |
| Lumber and other building materials .....            | 521                 | 7.90                    | 7.97         | 8.18         | 8.18                      | -                         | 300.99                  | 302.06        | 312.48        | 310.02                    | -                         |
| Hardware stores .....                                | 525                 | 6.24                    | 6.26         | 6.54         | 6.55                      | -                         | 202.80                  | 207.83        | 209.28        | 208.95                    | -                         |
| General merchandise stores .....                     | 53                  | 6.63                    | 6.60         | 6.83         | 6.79                      | -                         | 181.66                  | 200.64        | 188.51        | 188.08                    | -                         |
| Department stores .....                              | 531                 | 6.93                    | 6.90         | 7.10         | 7.06                      | -                         | 187.11                  | 207.69        | 195.25        | 194.86                    | -                         |
| Variety stores .....                                 | 533                 | 5.11                    | 5.17         | 5.36         | 5.38                      | -                         | 148.19                  | 171.13        | 150.08        | 151.18                    | -                         |
| Misc. general merchandise stores .....               | 539                 | 5.34                    | 5.30         | 5.71         | 5.63                      | -                         | 155.93                  | 165.36        | 161.59        | 159.89                    | -                         |
| Food stores .....                                    | 54                  | 7.24                    | 7.07         | 7.20         | 7.22                      | -                         | 216.48                  | 212.10        | 213.12        | 212.99                    | -                         |
| Grocery stores .....                                 | 541                 | 7.36                    | 7.20         | 7.30         | 7.33                      | -                         | 221.54                  | 216.00        | 216.81        | 217.70                    | -                         |
| Retail bakeries .....                                | 546                 | 6.07                    | 6.06         | 6.15         | 6.15                      | -                         | 175.42                  | 181.19        | 178.35        | 177.12                    | -                         |
| Automotive dealers and service stations .....        | 55                  | 8.27                    | 8.33         | 8.67         | 8.62                      | -                         | 299.37                  | 302.38        | 313.85        | 310.32                    | -                         |
| New and used car dealers .....                       | 551,2               | 10.00                   | 10.09        | 10.60        | 10.46                     | -                         | 371.00                  | 374.34        | 391.14        | 385.97                    | -                         |
| Auto and home supply stores .....                    | 553                 | 7.17                    | 7.24         | 7.64         | 7.65                      | -                         | 275.33                  | 278.02        | 293.38        | 290.70                    | -                         |
| Gasoline service stations .....                      | 554                 | 5.83                    | 5.86         | 6.01         | 6.04                      | -                         | 197.05                  | 199.24        | 204.34        | 204.15                    | -                         |
| Apparel and accessory stores .....                   | 56                  | 5.85                    | 5.86         | 6.10         | 6.10                      | -                         | 156.78                  | 164.08        | 163.48        | 161.65                    | -                         |
| Men's and boys' clothing and furnishings .....       | 561                 | 7.12                    | 7.04         | 7.49         | 7.42                      | -                         | 201.50                  | 214.02        | 209.72        | 205.53                    | -                         |
| Women's ready-to-wear stores .....                   | 562                 | 5.53                    | 5.54         | 5.76         | 5.71                      | -                         | 137.14                  | 142.93        | 140.54        | 135.90                    | -                         |
| Family clothing stores .....                         | 565                 | 5.70                    | 5.67         | 6.09         | 6.12                      | -                         | 153.90                  | 158.76        | 164.43        | 164.63                    | -                         |
| Shoe stores .....                                    | 566                 | 6.00                    | 6.14         | 6.08         | 6.10                      | -                         | 171.00                  | 182.97        | 176.32        | 178.73                    | -                         |
| Furniture and home furnishings stores .....          | 57                  | 7.98                    | 8.08         | 8.29         | 8.32                      | -                         | 260.95                  | 272.30        | 273.57        | 272.06                    | -                         |
| Furniture and home furnishings stores .....          | 571                 | 8.11                    | 8.17         | 8.27         | 8.32                      | -                         | 271.69                  | 276.96        | 277.87        | 278.72                    | -                         |
| Household appliance stores .....                     | 572                 | 8.02                    | 8.24         | 8.71         | 8.84                      | -                         | 267.07                  | 287.58        | 289.17        | 291.72                    | -                         |
| Radio, television, and music stores .....            | 573                 | 7.71                    | 7.87         | 8.20         | 8.18                      | -                         | 239.01                  | 258.92        | 260.76        | 256.03                    | -                         |
| Eating and drinking places <sup>4</sup> .....        | 58                  | 4.65                    | 4.69         | 4.81         | 4.83                      | -                         | 118.11                  | 119.60        | 122.66        | 120.75                    | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry   | 1972<br>SIC<br>Code | Average weekly hours |              |              |                           |                           | Average overtime hours |              |              |                           |                           |
|--|---------------------|----------------------|--------------|--------------|---------------------------|---------------------------|------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988         | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988           | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Retail trade—Continued</b>                                |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Miscellaneous retail .....                                   | 59                  | 29.6                 | 30.9         | 29.8         | 29.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Drug stores and proprietary stores .....                     | 591                 | 27.2                 | 27.7         | 27.1         | 27.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Miscellaneous shopping goods stores .....                    | 594                 | 28.1                 | 30.1         | 28.5         | 27.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Nonstore retailers .....                                     | 596                 | 33.0                 | 33.9         | 33.2         | 33.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Fuel and ice dealers .....                                   | 598                 | 39.2                 | 40.2         | 38.8         | 39.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Retail stores, nec .....                                     | 599                 | 31.5                 | 33.2         | 31.5         | 31.2                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Finance, insurance, and real estate<sup>5</sup></b> ..... |                     | <b>35.7</b>          | <b>35.8</b>  | <b>36.1</b>  | <b>35.7</b>               | <b>35.8</b>               | -                      | -            | -            | -                         | -                         |
| Banking .....  | 60                  | 35.5                 | 35.8         | 35.8         | 35.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Commercial and stock savings banks .....                     | 602                 | 35.4                 | 35.7         | 35.8         | 35.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Credit agencies other than banks .....                       | 61                  | 36.1                 | 36.3         | 36.8         | 36.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Savings and loan associations .....                          | 612                 | 35.5                 | 35.7         | 36.2         | 35.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Personal credit institutions .....                           | 614                 | 36.1                 | 36.3         | 36.6         | 36.4                      | -                         | -                      | -            | -            | -                         | -                         |
| Insurance carriers .....                                     | 63                  | 37.1                 | 37.0         | 37.4         | 37.2                      | -                         | -                      | -            | -            | -                         | -                         |
| Life insurance .....   | 631                 | 36.8                 | 36.8         | 37.2         | 37.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Medical service and health insurance .....                   | 632                 | 38.0                 | 37.8         | 38.0         | 38.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Fire, marine, and casualty insurance .....                   | 633                 | 36.7                 | 36.7         | 37.1         | 36.9                      | -                         | -                      | -            | -            | -                         | -                         |
| <b>Services</b> .....  |                     | <b>32.5</b>          | <b>32.6</b>  | <b>32.8</b>  | <b>32.6</b>               | <b>32.5</b>               | -                      | -            | -            | -                         | -                         |
| Hotels and other lodging places:                             |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Hotels, motels, and tourist courts <sup>4</sup> .....        | 701                 | 30.7                 | 30.1         | 31.7         | 30.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Personal services:   |                     |                      |              |              |                           |                           |                        |              |              |                           |                           |
| Laundry, cleaning, and garment services .....                | 721                 | 34.3                 | 34.5         | 34.5         | 34.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Beauty shops <sup>4</sup> .....                              | 723                 | 29.8                 | 30.3         | 29.5         | 29.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Business services .....                                      | 73                  | 33.7                 | 34.0         | 33.9         | 33.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Advertising .....  | 731                 | 36.7                 | 36.7         | 37.0         | 36.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Services to buildings .....                                  | 734                 | 29.7                 | 29.9         | 29.8         | 29.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Computer and data processing services .....                  | 737                 | 38.2                 | 38.2         | 38.2         | 37.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Auto repair, services, and garages .....                     | 75                  | 36.4                 | 36.6         | 36.9         | 36.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Automotive repair shops .....                                | 753                 | 37.9                 | 38.1         | 38.2         | 38.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Miscellaneous repair services .....                          | 76                  | 38.1                 | 38.2         | 37.6         | 37.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Motion pictures .....  | 78                  | 28.9                 | 29.4         | 29.8         | 28.6                      | -                         | -                      | -            | -            | -                         | -                         |
| Motion picture production and services .....                 | 781                 | 35.9                 | 37.0         | 36.8         | 34.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Amusement and recreation services .....                      | 79                  | 27.7                 | 27.6         | 28.2         | 28.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Health services .....  | 80                  | 32.3                 | 32.3         | 32.6         | 32.5                      | -                         | -                      | -            | -            | -                         | -                         |
| Offices of physicians .....                                  | 801                 | 31.3                 | 31.3         | 31.9         | 31.8                      | -                         | -                      | -            | -            | -                         | -                         |
| Offices of dentists .....                                    | 802                 | 28.7                 | 28.6         | 28.6         | 28.3                      | -                         | -                      | -            | -            | -                         | -                         |
| Nursing and personal care facilities .....                   | 805                 | 31.5                 | 31.7         | 32.2         | 31.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Hospitals .....  | 806                 | 33.8                 | 33.8         | 34.0         | 34.0                      | -                         | -                      | -            | -            | -                         | -                         |
| Legal services .....   | 81                  | 34.4                 | 34.6         | 35.5         | 34.9                      | -                         | -                      | -            | -            | -                         | -                         |
| Miscellaneous services .....                                 | 89                  | 37.9                 | 38.1         | 38.1         | 37.7                      | -                         | -                      | -            | -            | -                         | -                         |
| Engineering and architectural services .....                 | 891                 | 39.2                 | 39.3         | 39.3         | 39.1                      | -                         | -                      | -            | -            | -                         | -                         |
| Accounting, auditing, and bookkeeping .....                  | 893                 | 36.5                 | 36.9         | 36.6         | 36.2                      | -                         | -                      | -            | -            | -                         | -                         |

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

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

| Industry   | 1972<br>SIC<br>Code | Average hourly earnings |              |              |                           |                           | Average weekly earnings |              |              |                           |                           |
|--|---------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|-------------------------|--------------|--------------|---------------------------|---------------------------|
|  |                     | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> | Nov.<br>1988            | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
| <b>Retail trade—Continued</b>                                |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Miscellaneous retail .....                                   | 59                  | \$6.64                  | \$6.60       | \$6.88       | \$6.87                    | -                         | \$196.54                | \$203.94     | \$205.02     | \$201.29                  | -                         |
| Drug stores and proprietary stores .....                     | 591                 | 6.34                    | 6.30         | 6.56         | 6.52                      | -                         | 172.45                  | 174.51       | 177.78       | 176.04                    | -                         |
| Miscellaneous shopping goods stores .....                    | 594                 | 6.14                    | 6.11         | 6.42         | 6.39                      | -                         | 172.53                  | 183.91       | 182.97       | 175.09                    | -                         |
| Nonstore retailers .....                                     | 596                 | 7.49                    | 7.54         | 7.69         | 7.74                      | -                         | 247.17                  | 255.61       | 255.31       | 259.29                    | -                         |
| Fuel and ice dealers .....                                   | 598                 | 9.39                    | 9.58         | 9.61         | 9.65                      | -                         | 368.09                  | 385.12       | 372.87       | 378.28                    | -                         |
| Retail stores, nec .....                                     | 599                 | 6.82                    | 6.67         | 7.08         | 7.05                      | -                         | 214.83                  | 221.44       | 223.02       | 219.96                    | -                         |
| <b>Finance, insurance, and real estate<sup>5</sup></b> ..... |                     | 9.27                    | 9.32         | 9.71         | 9.69                      | \$9.76                    | 330.94                  | 333.66       | 350.53       | 345.93                    | \$349.41                  |
| Banking .....  | 60                  | 7.96                    | 7.99         | 8.38         | 8.39                      | -                         | 282.58                  | 286.04       | 300.00       | 295.33                    | -                         |
| Commercial and stock savings banks .....                     | 602                 | 7.63                    | 7.65         | 7.95         | 7.96                      | -                         | 270.10                  | 273.11       | 284.61       | 279.40                    | -                         |
| Credit agencies other than banks .....                       | 61                  | 8.44                    | 8.49         | 8.84         | 8.78                      | -                         | 304.68                  | 308.19       | 325.31       | 317.84                    | -                         |
| Savings and loan associations .....                          | 612                 | 7.99                    | 8.04         | 8.20         | 8.15                      | -                         | 283.65                  | 287.03       | 296.84       | 290.14                    | -                         |
| Personal credit institutions .....                           | 614                 | 7.95                    | 8.03         | 8.28         | 8.20                      | -                         | 287.00                  | 291.49       | 303.05       | 298.48                    | -                         |
| Insurance carriers .....                                     | 63                  | 10.39                   | 10.47        | 10.81        | 10.82                     | -                         | 385.47                  | 387.39       | 404.29       | 402.50                    | -                         |
| Life insurance .....   | 631                 | 9.81                    | 9.87         | 10.04        | 10.00                     | -                         | 361.01                  | 363.22       | 373.49       | 371.00                    | -                         |
| Medical service and health insurance .....                   | 632                 | 10.08                   | 10.09        | 10.51        | 10.60                     | -                         | 383.04                  | 381.40       | 399.38       | 402.80                    | -                         |
| Fire, marine, and casualty insurance .....                   | 633                 | 10.95                   | 11.07        | 11.57        | 11.60                     | -                         | 401.87                  | 406.27       | 429.25       | 428.04                    | -                         |
| <b>Services</b> .....  |                     | 9.11                    | 9.16         | 9.59         | 9.61                      | 9.70                      | 296.08                  | 298.62       | 314.55       | 313.29                    | 315.25                    |
| Hotels and other lodging places:                             |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Hotels, motels, and tourist courts <sup>4</sup> .....        | 701                 | 6.51                    | 6.63         | 6.71         | 6.80                      | -                         | 199.86                  | 199.56       | 212.71       | 209.44                    | -                         |
| Personal services:   |                     |                         |              |              |                           |                           |                         |              |              |                           |                           |
| Laundry, cleaning, and garment services .....                | 721                 | 6.42                    | 6.45         | 6.64         | 6.66                      | -                         | 220.21                  | 222.53       | 229.08       | 230.44                    | -                         |
| Beauty shops <sup>4</sup> .....                              | 723                 | 6.78                    | 6.86         | 6.96         | 7.03                      | -                         | 202.04                  | 207.86       | 205.32       | 207.39                    | -                         |
| Business services .....                                      | 73                  | 9.23                    | 9.27         | 9.76         | 9.74                      | -                         | 311.05                  | 315.18       | 330.86       | 328.24                    | -                         |
| Advertising .....  | 731                 | 12.53                   | 12.70        | 13.39        | 13.18                     | -                         | 459.85                  | 466.09       | 495.43       | 481.07                    | -                         |
| Services to buildings .....                                  | 734                 | 6.88                    | 6.94         | 7.08         | 7.05                      | -                         | 204.34                  | 207.51       | 210.98       | 207.98                    | -                         |
| Computer and data processing services .....                  | 737                 | 13.50                   | 13.51        | 14.49        | 14.32                     | -                         | 515.70                  | 516.08       | 553.52       | 542.73                    | -                         |
| Auto repair, services, and garages .....                     | 75                  | 8.26                    | 8.30         | 8.53         | 8.55                      | -                         | 300.66                  | 303.78       | 314.76       | 312.08                    | -                         |
| Automotive repair shops .....                                | 753                 | 9.03                    | 9.09         | 9.40         | 9.41                      | -                         | 342.24                  | 346.33       | 359.08       | 358.52                    | -                         |
| Miscellaneous repair services .....                          | 76                  | 9.63                    | 9.69         | 10.09        | 10.12                     | -                         | 366.90                  | 370.16       | 379.38       | 381.52                    | -                         |
| Motion pictures .....  | 78                  | 12.30                   | 12.49        | 12.45        | 12.78                     | -                         | 355.47                  | 367.21       | 371.01       | 365.51                    | -                         |
| Motion picture production and services .....                 | 781                 | 16.10                   | 16.37        | 15.50        | 16.30                     | -                         | 577.99                  | 605.69       | 570.40       | 555.83                    | -                         |
| Amusement and recreation services .....                      | 79                  | 8.03                    | 8.07         | 8.18         | 8.39                      | -                         | 222.43                  | 222.73       | 230.68       | 235.76                    | -                         |
| Health services .....  | 80                  | 9.46                    | 9.50         | 10.01        | 10.05                     | -                         | 305.56                  | 306.85       | 326.33       | 326.63                    | -                         |
| Offices of physicians .....                                  | 801                 | 8.97                    | 9.03         | 9.47         | 9.45                      | -                         | 280.76                  | 282.64       | 302.09       | 300.51                    | -                         |
| Offices of dentists .....                                    | 802                 | 9.04                    | 9.16         | 9.57         | 9.64                      | -                         | 259.45                  | 261.98       | 273.70       | 272.81                    | -                         |
| Nursing and personal care facilities .....                   | 805                 | 6.50                    | 6.54         | 6.91         | 6.95                      | -                         | 204.75                  | 207.32       | 222.50       | 220.32                    | -                         |
| Hospitals .....  | 806                 | 10.80                   | 10.84        | 11.44        | 11.48                     | -                         | 365.04                  | 366.39       | 388.96       | 390.32                    | -                         |
| Legal services .....   | 81                  | 12.96                   | 13.03        | 13.66        | 13.54                     | -                         | 445.82                  | 450.84       | 484.93       | 472.55                    | -                         |
| Miscellaneous services .....                                 | 89                  | 12.77                   | 12.82        | 13.64        | 13.55                     | -                         | 483.98                  | 488.44       | 519.68       | 510.84                    | -                         |
| Engineering and architectural services .....                 | 891                 | 13.58                   | 13.65        | 14.32        | 14.31                     | -                         | 532.34                  | 536.45       | 562.78       | 559.52                    | -                         |
| Accounting, auditing, and bookkeeping .....                  | 893                 | 10.97                   | 11.03        | 12.01        | 11.74                     | -                         | 400.41                  | 407.01       | 439.57       | 424.99                    | -                         |

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

<sup>2</sup> See table C-2a for average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing.

<sup>3</sup> Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>4</sup> Money payments only; tips, not included.

<sup>5</sup> Data for nonoffice sales agents are excluded from all series in this division.

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

# A Note on Average Hourly Earnings in Aircraft (SIC 3721) and Guided Missiles and Space Vehicles (SIC 3761) Manufacturing

For many years, the Bureau of Labor Statistics' average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) and guided missiles and space vehicles manufacturing (SIC 3761) have been used to escalate labor costs in contracts between aerospace companies and their customers. Although the Bureau's series by definition take account of traditional wage rate changes, they do not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aerospace manufacturers' collective bargaining agreements beginning in late 1983.

Because of special circumstances in the aerospace industry, BLS has calculated average hourly earnings series for SIC 3721 and SIC 3761 which include lump-sum payments. These series, beginning in October 1983, the effective date of the first aerospace bargain-

ing agreement using lump-sum payments, were published in the June 1988 issue of *Employment and Earnings*. Current and year earlier data are presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. An explanation of the methodology used to derive these series appears in the Explanatory Notes of this publication.

Lump-sum payments are but one of several recent changes in the way that employees are compensated. The changes are widespread and they differ by industry. Because of these developments, the Bureau is conducting a broad-based review of all concepts and definitions used in its earnings and wage programs to determine the proper treatment of lump-sum payments and other new compensation practices.

**C-2a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing**

| Series   | Aircraft (SIC 3721) |           |           |                        | Guided missiles and space vehicles (SIC 3761) |           |           |                        |
|--|---------------------|-----------|-----------|------------------------|---|-----------|-----------|------------------------|
|  | Oct. 1988           | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>p</sup> | Oct. 1988                                     | Nov. 1988 | Oct. 1989 | Nov. 1989 <sup>p</sup> |
| Average hourly earnings, excluding lump-sum payments ..... | \$14.44             | \$14.55   | \$15.23   | \$15.15                | \$13.70                                       | \$13.80   | \$14.37   | \$14.39                |
| Average hourly earnings, including lump-sum payments ..... | 14.96               | 15.07     | 15.98     | 15.92                  | 14.12   | 14.23     | 14.68     | 14.62                  |

<sup>p</sup> = preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-3. Average hourly earnings, excluding overtime,<sup>1</sup> of production workers on manufacturing payrolls**

| Industry                                  | Nov.<br>1988 | Dec.<br>1988 | Oct.<br>1989 | Nov.<br>1989 <sup>p</sup> | Dec.<br>1989 <sup>p</sup> |
|---|--------------|--------------|--------------|---------------------------|---------------------------|
| <b>Manufacturing</b> .....                | \$9.82       | \$9.88       | \$10.04      | \$10.10                   | \$10.18                   |
| <b>Durable goods</b> .....                | 10.32        | 10.36        | 10.56        | 10.60                     | 10.69                     |
| Lumber and wood products .....            | 8.32         | 8.40         | 8.59         | 8.61                      | (?)                       |
| Furniture and fixtures .....              | 7.74         | 7.76         | 8.09         | 8.12                      | (?)                       |
| Stone, clay, and glass products .....     | 9.99         | 10.00        | 10.16        | 10.27                     | (?)                       |
| Primary metal industries .....            | 11.48        | 11.50        | 11.75        | 11.83                     | (?)                       |
| Fabricated metal products .....           | 9.84         | 9.91         | 10.10        | 10.14                     | (?)                       |
| Machinery, except electrical .....        | 10.64        | 10.63        | 10.91        | 10.93                     | (?)                       |
| Electrical and electronic equipment ..... | 9.81         | 9.84         | 10.04        | 10.08                     | (?)                       |
| Transportation equipment .....            | 12.78        | 12.81        | 13.14        | 13.16                     | (?)                       |
| Instruments and related products .....    | 9.69         | 9.72         | 10.02        | 10.01                     | (?)                       |
| Miscellaneous manufacturing .....         | 7.84         | 7.93         | 8.08         | 8.18                      | (?)                       |
| <b>Nondurable goods</b> .....             | 9.11         | 9.18         | 9.34         | 9.41                      | \$9.48                    |
| Food and kindred products .....           | 8.67         | 8.79         | 8.76         | 8.88                      | (?)                       |
| Tobacco manufactures .....                | 14.11        | 13.84        | 14.34        | 14.58                     | (?)                       |
| Textile mill products .....               | 7.11         | 7.16         | 7.39         | 7.44                      | (?)                       |
| Apparel and other textile products .....  | 6.09         | 6.14         | 6.22         | 6.28                      | (?)                       |
| Paper and allied products .....           | 11.08        | 11.13        | 11.27        | 11.39                     | (?)                       |
| Printing and publishing .....             | 10.23        | 10.27        | 10.61        | 10.60                     | (?)                       |
| Chemicals and allied products .....       | 12.26        | 12.29        | 12.60        | 12.62                     | (?)                       |
| Petroleum and coal products .....         | 14.31        | 14.37        | 14.52        | 14.62                     | (?)                       |
| Rubber and misc. plastics products .....  | 8.80         | 8.84         | 9.04         | 9.07                      | (?)                       |
| Leather and leather products .....        | 6.24         | 6.28         | 6.44         | 6.50                      | (?)                       |

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-4. Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.**

| INDUSTRY                                    | Average hourly earnings |           |           |                        |                        | Average weekly earnings |           |           |                        |                        |
|---|-------------------------|-----------|-----------|------------------------|------------------------|-------------------------|-----------|-----------|------------------------|------------------------|
|   | Nov. 1988               | Dec. 1988 | Oct. 1989 | Nov. 1989 <sup>p</sup> | Dec. 1989 <sup>p</sup> | Nov. 1988               | Dec. 1988 | Oct. 1989 | Nov. 1989 <sup>p</sup> | Dec. 1989 <sup>p</sup> |
| <b>Total private:</b>                       |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | \$9.46                  | \$9.46    | \$9.81    | \$9.81                 | \$9.85                 | \$328.26                | \$330.15  | \$341.39  | \$338.45               | \$340.81               |
| Constant (1977) dollars .....               | 4.84                    | 4.83      | 4.81      | 4.80                   | ( <sup>2</sup> )       | 167.99                  | 168.70    | 167.43    | 165.66                 | ( <sup>2</sup> )       |
| <b>Mining:</b>                              |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 12.89                   | 13.03     | 13.10     | 13.12                  | \$13.28                | 540.09                  | 557.68    | 575.09    | 570.72                 | \$580.34               |
| Constant (1977) dollars .....               | 6.60                    | 6.66      | 6.42      | 6.42                   | ( <sup>2</sup> )       | 276.40                  | 284.97    | 282.05    | 279.35                 | ( <sup>2</sup> )       |
| <b>Construction:</b>                        |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 13.08                   | 13.19     | 13.52     | 13.52                  | \$13.68                | 494.42                  | 491.99    | 529.98    | 513.76                 | \$507.53               |
| Constant (1977) dollars .....               | 6.69                    | 6.74      | 6.63      | 6.62                   | ( <sup>2</sup> )       | 253.03                  | 251.40    | 259.92    | 251.47                 | ( <sup>2</sup> )       |
| <b>Manufacturing:</b>                       |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 10.31                   | 10.37     | 10.52     | 10.58                  | \$10.67                | 427.87                  | 432.43    | 430.27    | 433.78                 | \$440.67               |
| Constant (1977) dollars .....               | 5.28                    | 5.30      | 5.16      | 5.18                   | ( <sup>2</sup> )       | 218.97                  | 220.97    | 211.02    | 212.33                 | ( <sup>2</sup> )       |
| <b>Transportation and public utilities:</b> |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 12.46                   | 12.42     | 12.69     | 12.71                  | \$12.74                | 489.68                  | 490.59    | 499.99    | 496.96                 | \$500.68               |
| Constant (1977) dollars .....               | 6.38                    | 6.35      | 6.22      | 6.22                   | ( <sup>2</sup> )       | 250.60                  | 250.68    | 245.21    | 243.25                 | ( <sup>2</sup> )       |
| <b>Wholesale trade:</b>                     |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 10.07                   | 10.14     | 10.50     | 10.55                  | \$10.60                | 382.66                  | 387.35    | 402.15    | 401.96                 | \$404.92               |
| Constant (1977) dollars .....               | 5.15                    | 5.18      | 5.15      | 5.16                   | ( <sup>2</sup> )       | 195.83                  | 197.93    | 197.23    | 196.75                 | ( <sup>2</sup> )       |
| <b>Retail trade:</b>                        |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 6.43                    | 6.43      | 6.62      | 6.63                   | \$6.65                 | 185.18                  | 190.33    | 191.32    | 189.62                 | \$192.85               |
| Constant (1977) dollars .....               | 3.29                    | 3.29      | 3.25      | 3.25                   | ( <sup>2</sup> )       | 94.77                   | 97.26     | 93.83     | 92.81                  | ( <sup>2</sup> )       |
| <b>Finance, insurance, and real estate:</b> |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 9.27                    | 9.32      | 9.71      | 9.69                   | \$9.76                 | 330.94                  | 333.66    | 350.53    | 345.93                 | \$349.41               |
| Constant (1977) dollars .....               | 4.74                    | 4.76      | 4.76      | 4.74                   | ( <sup>2</sup> )       | 169.37                  | 170.50    | 171.91    | 169.32                 | ( <sup>2</sup> )       |
| <b>Services:</b>                            |                         |           |           |                        |                        |                         |           |           |                        |                        |
| Current dollars .....                       | 9.11                    | 9.16      | 9.59      | 9.61                   | \$9.70                 | 296.08                  | 298.62    | 314.55    | 313.29                 | \$315.25               |
| Constant (1977) dollars .....               | 4.66                    | 4.68      | 4.70      | 4.70                   | ( <sup>2</sup> )       | 151.53                  | 152.59    | 154.27    | 153.35                 | ( <sup>2</sup> )       |

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**C-5. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

| Industry   | 1988             | 1989             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
|  | Dec.             | Jan.             | Feb.             | Mar.             | Apr.             | May              | June             | July             | Aug.             | Sept.            | Oct.             | Nov. <sup>p</sup> | Dec. <sup>p</sup> |
| <b>Total private</b> .....                       | 34.7             | 34.8             | 34.6             | 34.7             | 34.9             | 34.6             | 34.6             | 34.8             | 34.6             | 34.7             | 34.7             | 34.6              | 34.5              |
| <b>Mining</b> .....                              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| <b>Construction</b> .....                        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| <b>Manufacturing</b> .....                       | 41.0             | 41.1             | 41.1             | 41.0             | 41.3             | 41.0             | 41.0             | 41.0             | 41.0             | 41.0             | 40.8             | 40.7              | 40.7              |
| <i>Overtime hours</i> .....                      | 3.9              | 3.9              | 3.9              | 4.0              | 3.9              | 3.8              | 3.8              | 3.9              | 3.8              | 3.8              | 3.7              | 3.7               | 3.7               |
| <b>Durable goods</b> .....                       | 41.7             | 41.8             | 41.8             | 41.7             | 41.9             | 41.5             | 41.5             | 41.5             | 41.6             | 41.6             | 41.2             | 41.2              | 41.2              |
| <i>Overtime hours</i> .....                      | 4.1              | 4.1              | 4.1              | 4.1              | 4.1              | 3.9              | 3.9              | 4.0              | 3.9              | 3.9              | 3.8              | 3.7               | 3.7               |
| Lumber and wood products .....                   | 40.3             | 40.3             | 39.6             | 40.0             | 40.5             | 39.7             | 39.8             | 39.6             | 40.2             | 40.2             | 40.4             | 40.1              | 39.8              |
| Furniture and fixtures .....                     | 39.4             | 39.8             | 39.7             | 39.8             | 39.9             | 39.4             | 39.4             | 39.5             | 39.6             | 39.6             | 39.2             | 39.3              | 39.1              |
| Stone, clay, and glass products .....            | 42.4             | 42.5             | 42.2             | 42.2             | 42.5             | 41.9             | 42.2             | 42.3             | 42.5             | 42.2             | 42.3             | 42.3              | 41.7              |
| Primary metal industries .....                   | 43.5             | 43.6             | 43.4             | 43.5             | 43.3             | 43.2             | 43.3             | 43.0             | 42.9             | 42.8             | 42.5             | 42.4              | 42.5              |
| Blast furnaces and basic steel products ..       | 43.8             | 44.0             | 43.8             | 44.1             | 43.5             | 43.6             | 43.7             | 43.2             | 43.4             | 42.9             | 42.8             | 42.6              | 43.0              |
| Fabricated metal products .....                  | 41.8             | 41.9             | 41.9             | 41.8             | 41.9             | 41.7             | 41.5             | 41.5             | 41.5             | 41.6             | 41.5             | 41.4              | 41.0              |
| Machinery, except electrical .....               | 42.5             | 42.5             | 42.6             | 42.5             | 42.7             | 42.5             | 42.5             | 42.4             | 42.2             | 42.3             | 42.0             | 42.1              | 42.1              |
| Electrical and electronic equipment .....        | 40.8             | 40.9             | 40.9             | 40.6             | 41.0             | 40.7             | 40.7             | 40.6             | 40.9             | 41.1             | 40.9             | 40.8              | 40.6              |
| Transportation equipment .....                   | 42.8             | 42.8             | 43.1             | 43.1             | 42.8             | 42.5             | 42.5             | 42.6             | 42.7             | 42.8             | 41.2             | 40.9              | 42.2              |
| Motor vehicles and equipment .....               | 43.7             | 43.6             | 43.9             | 43.9             | 43.3             | 42.8             | 42.7             | 42.6             | 43.0             | 43.4             | 42.9             | 42.3              | 42.0              |
| Instruments and related products .....           | 41.1             | 41.5             | 41.5             | 41.1             | 41.5             | 41.1             | 41.3             | 41.4             | 41.1             | 41.0             | 41.1             | 41.2              | 41.0              |
| Miscellaneous manufacturing .....                | 39.0             | 39.4             | 39.5             | 39.5             | 39.8             | 39.6             | 39.4             | 39.3             | 39.4             | 39.2             | 39.3             | 39.8              | 39.5              |
| <b>Nondurable goods</b> .....                    | 40.0             | 40.1             | 40.2             | 40.1             | 40.4             | 40.2             | 40.3             | 40.2             | 40.2             | 40.2             | 40.2             | 40.1              | 39.9              |
| <i>Overtime hours</i> .....                      | 3.6              | 3.6              | 3.7              | 3.8              | 3.8              | 3.7              | 3.6              | 3.8              | 3.6              | 3.7              | 3.7              | 3.6               | 3.6               |
| Food and kindred products .....                  | 40.2             | 40.1             | 40.3             | 40.4             | 40.7             | 40.5             | 40.7             | 41.0             | 40.8             | 41.0             | 40.8             | 40.8              | 40.6              |
| Tobacco manufactures .....                       | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| Textile mill products .....                      | 40.5             | 40.9             | 40.8             | 41.1             | 41.7             | 41.4             | 41.4             | 41.2             | 41.0             | 40.6             | 40.7             | 40.4              | 40.3              |
| Apparel and other textile products .....         | 36.8             | 37.0             | 37.1             | 36.9             | 37.6             | 37.1             | 37.1             | 37.0             | 37.0             | 37.0             | 36.9             | 36.9              | 36.3              |
| Paper and allied products .....                  | 43.2             | 43.1             | 43.2             | 43.3             | 43.4             | 43.3             | 43.3             | 43.2             | 43.5             | 43.2             | 43.4             | 43.4              | 43.2              |
| Printing and publishing .....                    | 37.8             | 38.0             | 38.0             | 37.9             | 37.9             | 37.7             | 37.8             | 37.6             | 37.7             | 37.9             | 37.8             | 37.9              | 37.7              |
| Chemicals and allied products .....              | 42.3             | 42.3             | 42.3             | 42.3             | 42.6             | 42.1             | 42.5             | 42.5             | 42.4             | 42.5             | 42.4             | 42.4              | 42.8              |
| Petroleum and coal products .....                | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| Rubber and misc. plastics products .....         | 41.4             | 41.7             | 41.7             | 41.6             | 41.6             | 41.5             | 41.5             | 41.4             | 41.5             | 41.5             | 41.4             | 41.3              | 41.0              |
| Leather and leather products .....               | 37.7             | 38.0             | 38.6             | 38.0             | 38.3             | 37.4             | 37.9             | 37.7             | 38.1             | 38.1             | 37.7             | 37.4              | 37.8              |
| <b>Transportation and public utilities</b> ..... | 39.4             | 39.6             | 39.4             | 39.4             | 40.1             | 39.5             | 39.4             | 39.4             | 39.0             | 39.3             | 39.3             | 39.1              | 39.3              |
| <b>Wholesale trade</b> .....                     | 38.1             | 38.1             | 38.1             | 38.1             | 38.3             | 37.9             | 38.0             | 38.1             | 38.0             | 38.1             | 38.1             | 38.1              | 38.0              |
| <b>Retail trade</b> .....                        | 29.1             | 29.1             | 28.9             | 28.9             | 29.1             | 28.9             | 28.9             | 29.2             | 28.8             | 28.8             | 29.0             | 28.8              | 28.5              |
| <b>Finance, insurance, and real estate</b> ..... | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| <b>Services</b> .....                            | 32.7             | 32.7             | 32.5             | 32.6             | 32.8             | 32.5             | 32.5             | 32.8             | 32.6             | 32.7             | 32.8             | 32.6              | 32.6              |

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

<sup>2</sup> These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.  
<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.



**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1977 = 100)

| Industry   | 1988  | 1989  |       |       |       |       |       |       |       |       |       |                   |                   |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------------------|
|  | Dec.  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov. <sup>P</sup> | Dec. <sup>P</sup> |
| <b>Total private</b> .....                       | 126.8 | 127.4 | 127.2 | 127.6 | 128.7 | 127.6 | 128.1 | 129.2 | 128.5 | 128.9 | 129.2 | 129.0             | 128.6             |
| <b>Goods-producing</b> .....                     | 102.3 | 103.0 | 102.9 | 102.9 | 103.5 | 102.4 | 102.5 | 103.0 | 103.3 | 102.8 | 102.4 | 102.4             | 101.4             |
| <b>Mining</b> .....                              | 80.2  | 79.9  | 80.1  | 81.1  | 83.4  | 81.8  | 81.2  | 80.3  | 84.4  | 85.3  | 85.5  | 85.8              | 84.5              |
| <b>Construction</b> .....                        | 139.4 | 141.2 | 140.5 | 140.3 | 141.0 | 138.2 | 139.3 | 142.7 | 143.5 | 143.1 | 143.8 | 145.6             | 140.5             |
| <b>Manufacturing</b> .....                       | 96.2  | 96.7  | 96.7  | 96.7  | 97.2  | 96.4  | 96.4  | 96.3  | 96.4  | 95.8  | 95.2  | 94.9              | 94.6              |
| <b>Durable goods</b> .....                       | 94.6  | 95.2  | 95.0  | 94.9  | 95.2  | 94.3  | 94.0  | 93.8  | 94.0  | 93.3  | 92.2  | 91.9              | 91.8              |
| Lumber and wood products .....                   | 106.2 | 107.0 | 104.5 | 105.3 | 105.9 | 103.7 | 103.4 | 102.6 | 103.6 | 103.0 | 104.2 | 103.6             | 102.3             |
| Furniture and fixtures .....                     | 112.6 | 113.8 | 113.7 | 114.3 | 114.6 | 112.9 | 112.6 | 113.2 | 111.9 | 111.6 | 109.9 | 109.7             | 108.3             |
| Stone, clay, and glass products .....            | 91.0  | 91.4  | 90.9  | 90.5  | 91.0  | 89.3  | 89.8  | 90.0  | 90.2  | 88.8  | 89.6  | 90.0              | 87.8              |
| Primary metal industries .....                   | 68.8  | 69.1  | 68.7  | 68.9  | 68.6  | 68.2  | 68.5  | 67.9  | 67.6  | 66.7  | 65.9  | 65.4              | 65.4              |
| Blast furnaces and basic steel products .....    | 53.1  | 53.8  | 53.4  | 53.6  | 52.4  | 52.3  | 52.6  | 52.0  | 53.0  | 51.9  | 51.1  | 50.3              | 50.8              |
| Fabricated metal products .....                  | 92.1  | 93.0  | 92.8  | 92.5  | 92.2  | 91.7  | 90.8  | 90.7  | 90.4  | 90.0  | 89.7  | 89.2              | 88.1              |
| Machinery, except electrical .....               | 92.5  | 93.0  | 93.7  | 93.4  | 93.9  | 93.7  | 93.8  | 94.0  | 93.2  | 93.1  | 92.0  | 92.8              | 93.1              |
| Electrical and electronic equipment .....        | 100.2 | 100.2 | 99.9  | 98.8  | 99.7  | 98.4  | 97.8  | 97.6  | 98.0  | 98.0  | 97.1  | 96.6              | 95.7              |
| Transportation equipment .....                   | 100.3 | 101.0 | 101.0 | 101.5 | 101.2 | 100.5 | 99.5  | 98.6  | 100.5 | 98.5  | 94.3  | 92.5              | 95.4              |
| Motor vehicles and equipment .....               | 89.9  | 91.8  | 91.1  | 91.7  | 91.1  | 90.2  | 88.1  | 85.7  | 90.1  | 87.0  | 84.7  | 82.5              | 81.9              |
| Instruments and related products .....           | 114.5 | 115.3 | 115.6 | 115.0 | 116.4 | 115.8 | 116.1 | 116.9 | 115.8 | 115.8 | 116.1 | 116.1             | 115.5             |
| Miscellaneous manufacturing .....                | 84.7  | 85.9  | 86.4  | 86.1  | 87.1  | 86.6  | 86.2  | 85.7  | 86.8  | 85.8  | 86.0  | 86.5              | 87.0              |
| <b>Nondurable goods</b> .....                    | 98.4  | 98.9  | 99.3  | 99.5  | 100.1 | 99.5  | 99.9  | 100.1 | 99.9  | 99.7  | 99.6  | 99.3              | 98.8              |
| Food and kindred products .....                  | 101.5 | 101.5 | 102.2 | 102.9 | 103.8 | 103.3 | 104.3 | 106.4 | 105.2 | 106.2 | 105.9 | 105.3             | 104.5             |
| Tobacco manufactures .....                       | 76.7  | 73.4  | 74.1  | 69.6  | 73.0  | 69.6  | 69.0  | 70.5  | 68.7  | 69.0  | 67.6  | 66.9              | 64.5              |
| Textile mill products .....                      | 79.5  | 80.6  | 80.4  | 81.0  | 82.1  | 81.5  | 81.5  | 81.3  | 80.4  | 79.1  | 79.5  | 78.6              | 78.5              |
| Apparel and other textile products .....         | 84.2  | 84.9  | 85.5  | 85.4  | 86.8  | 85.4  | 85.2  | 84.9  | 84.9  | 84.5  | 84.0  | 83.9              | 82.9              |
| Paper and allied products .....                  | 102.1 | 101.7 | 101.9 | 102.3 | 102.4 | 102.3 | 102.3 | 102.7 | 103.4 | 101.9 | 102.8 | 102.8             | 102.7             |
| Printing and publishing .....                    | 137.4 | 138.3 | 138.4 | 138.5 | 138.2 | 137.8 | 138.3 | 137.7 | 138.3 | 138.7 | 138.3 | 139.3             | 138.7             |
| Chemicals and allied products .....              | 99.4  | 99.9  | 100.0 | 100.4 | 100.9 | 100.5 | 101.8 | 101.5 | 101.8 | 101.5 | 101.8 | 101.9             | 103.5             |
| Petroleum and coal products .....                | 82.7  | 81.2  | 83.3  | 82.2  | 82.9  | 83.5  | 84.3  | 83.2  | 83.4  | 84.1  | 85.6  | 85.7              | 80.1              |
| Rubber and misc. plastics products .....         | 118.6 | 119.5 | 120.0 | 119.9 | 119.9 | 119.6 | 118.9 | 118.8 | 119.3 | 118.4 | 118.1 | 117.1             | 115.8             |
| Leather and leather products .....               | 55.2  | 56.1  | 57.0  | 56.1  | 56.0  | 54.7  | 55.5  | 54.7  | 54.8  | 54.8  | 53.8  | 52.9              | 53.9              |
| <b>Service-producing</b> .....                   | 140.3 | 140.9 | 140.6 | 141.2 | 142.6 | 141.5 | 142.2 | 143.7 | 142.4 | 143.3 | 144.0 | 143.7             | 143.6             |
| <b>Transportation and public utilities</b> ..... | 115.5 | 116.4 | 116.2 | 116.2 | 118.6 | 117.3 | 117.3 | 117.7 | 113.7 | 116.8 | 117.4 | 117.0             | 119.2             |
| <b>Wholesale trade</b> .....                     | 124.9 | 125.3 | 125.9 | 126.4 | 127.2 | 126.1 | 126.7 | 127.2 | 127.3 | 127.6 | 128.0 | 128.2             | 127.9             |
| <b>Retail trade</b> .....                        | 126.7 | 127.2 | 126.7 | 126.9 | 127.7 | 127.2 | 127.4 | 128.9 | 127.5 | 127.5 | 128.4 | 128.1             | 126.5             |
| <b>Finance, insurance, and real estate</b> ..... | 141.2 | 142.1 | 140.8 | 141.8 | 143.8 | 141.9 | 142.7 | 145.0 | 143.3 | 143.8 | 145.0 | 143.7             | 144.3             |
| <b>Services</b> .....                            | 165.8 | 166.4 | 166.1 | 167.3 | 168.9 | 167.5 | 169.0 | 170.8 | 170.4 | 171.4 | 172.2 | 171.8             | 172.2             |

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

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

**C-7. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

| Industry  | 1988                    | 1989             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
|---|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
|   | Dec.                    | Jan.             | Feb.             | Mar.             | Apr.             | May              | June             | July             | Aug.             | Sept.            | Oct.             | Nov. <sup>p</sup> | Dec. <sup>p</sup> |
|   | Average hourly earnings |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
| <b>Total private</b> (in current dollars) .....               | \$9.45                  | \$9.49           | \$9.52           | \$9.54           | \$9.61           | \$9.60           | \$9.62           | \$9.69           | \$9.69           | \$9.74           | \$9.78           | \$9.78            | \$9.84            |
| <b>Mining</b> .....   | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )  |
| <b>Construction</b> .....                                     | \$13.15                 | \$13.18          | \$13.22          | \$13.26          | \$13.33          | \$13.32          | \$13.32          | \$13.42          | \$13.37          | \$13.39          | \$13.44          | \$13.53           | \$13.64           |
| <b>Manufacturing</b> .....                                    | 10.31                   | 10.33            | 10.37            | 10.40            | 10.40            | 10.42            | 10.45            | 10.48            | 10.52            | 10.55            | 10.55            | 10.57             | 10.61             |
| <b>Excluding overtime<sup>3</sup></b> .....                   | 9.85                    | 9.87             | 9.89             | 9.92             | 9.92             | 9.97             | 9.99             | 10.01            | 10.05            | 10.08            | 10.08            | 10.11             | 10.14             |
| <b>Transportation and public utilities</b> .....              | 12.36                   | 12.45            | 12.48            | 12.50            | 12.52            | 12.54            | 12.54            | 12.61            | 12.57            | 12.67            | 12.68            | 12.65             | 12.69             |
| <b>Wholesale trade</b> .....                                  | 10.11                   | 10.19            | 10.18            | 10.21            | 10.36            | 10.28            | 10.33            | 10.44            | 10.39            | 10.47            | 10.54            | 10.54             | 10.57             |
| <b>Retail trade</b> .....                                     | 6.43                    | 6.44             | 6.45             | 6.47             | 6.51             | 6.49             | 6.52             | 6.54             | 6.57             | 6.58             | 6.61             | 6.60              | 6.64              |
| <b>Finance, insurance, and real estate</b> .....              | 9.35                    | 9.40             | 9.35             | 9.36             | 9.54             | 9.45             | 9.53             | 9.68             | 9.57             | 9.66             | 9.77             | 9.67              | 9.79              |
| <b>Services</b> .....   | 9.10                    | 9.15             | 9.19             | 9.24             | 9.32             | 9.33             | 9.34             | 9.46             | 9.43             | 9.49             | 9.58             | 9.54              | 9.63              |
| <b>Total private</b> (in constant dollars) <sup>4</sup> ..... | 4.82                    | 4.81             | 4.81             | 4.80             | 4.80             | 4.77             | 4.77             | 4.79             | 4.79             | 4.81             | 4.81             | 4.79              | ( <sup>5</sup> )  |
|   | Average weekly earnings |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
| <b>Total private:</b>   |                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |
| In current dollars .....                                      | 327.92                  | 330.25           | 329.39           | 331.04           | 335.39           | 332.16           | 332.85           | 337.21           | 335.27           | 337.98           | 339.37           | 338.39            | 339.48            |
| In constant (1977) dollars <sup>4</sup> .....                 | 167.39                  | 167.55           | 166.44           | 166.44           | 167.53           | 165.01           | 165.10           | 166.85           | 165.89           | 166.90           | 166.85           | 165.80            | ( <sup>5</sup> )  |

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

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

<sup>3</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.

<sup>4</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

<sup>5</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas**

| State and area                                | Average weekly hours |                  |                        | Average hourly earnings |                  |                        | Average weekly earnings |                  |                        |
|---|----------------------|------------------|------------------------|-------------------------|------------------|------------------------|-------------------------|------------------|------------------------|
|   | Nov. 1988            | Oct. 1989        | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989        | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989        | Nov. 1989 <sup>P</sup> |
| <b>Alabama</b> .....                          | 41.5                 | 41.3             | 40.9                   | \$9.09                  | \$9.16           | \$9.23                 | \$377.24                | \$378.31         | \$377.51               |
| Birmingham .....                              | 41.5                 | 41.2             | 40.9                   | 9.23                    | 9.29             | 9.31                   | 383.05                  | 382.75           | 380.78                 |
| Mobile .....                                  | 41.4                 | 42.1             | 42.0                   | 10.58                   | 11.24            | 11.06                  | 438.01                  | 473.20           | 464.52                 |
| <b>Alaska</b> .....                           | 45.5                 | 39.5             | 41.4                   | 13.28                   | 14.22            | 13.91                  | 604.24                  | 561.69           | 575.87                 |
| <b>Arizona</b> .....                          | 41.3                 | 41.6             | 42.1                   | 9.95                    | 9.90             | 10.09                  | 410.93                  | 411.84           | 424.79                 |
| <b>Arkansas</b> .....                         | 40.7                 | 41.3             | 41.0                   | 8.07                    | 8.30             | 8.35                   | 328.45                  | 342.79           | 342.35                 |
| Fayetteville-Springdale .....                 | 41.5                 | 42.2             | 41.4                   | 7.29                    | 7.64             | 7.61                   | 302.54                  | 322.41           | 315.05                 |
| Fort Smith .....                              | 40.8                 | 40.2             | 40.8                   | 8.68                    | 8.74             | 8.67                   | 354.14                  | 351.35           | 353.74                 |
| Little Rock-North Little Rock .....           | 41.1                 | 42.0             | 41.2                   | 8.49                    | 8.99             | 8.95                   | 348.94                  | 377.58           | 368.74                 |
| Pine Bluff .....                              | 42.8                 | 45.1             | 43.8                   | 10.80                   | 10.75            | 10.56                  | 462.24                  | 484.83           | 462.53                 |
| <b>California</b> .....                       | ( <sup>1</sup> )     | ( <sup>1</sup> ) | ( <sup>1</sup> )       | ( <sup>1</sup> )        | ( <sup>1</sup> ) | ( <sup>1</sup> )       | ( <sup>1</sup> )        | ( <sup>1</sup> ) | ( <sup>1</sup> )       |
| <b>Colorado</b> .....                         | 40.4                 | 41.0             | 41.1                   | 10.31                   | 10.56            | 10.57                  | 416.52                  | 432.96           | 434.43                 |
| Denver .....                                  | 40.2                 | 40.1             | 40.6                   | 10.97                   | 11.09            | 11.04                  | 440.99                  | 444.71           | 448.22                 |
| <b>Connecticut</b> .....                      | 42.3                 | 42.0             | 42.6                   | 10.98                   | 11.23            | 11.30                  | 464.45                  | 471.66           | 481.38                 |
| Bridgeport-Milford .....                      | 41.8                 | 41.6             | 42.7                   | 11.29                   | 11.47            | 11.59                  | 471.92                  | 477.15           | 494.89                 |
| Hartford .....                                | 42.5                 | 42.7             | 42.8                   | 11.59                   | 11.99            | 12.04                  | 492.58                  | 511.97           | 515.31                 |
| New Britain .....                             | 43.5                 | 42.4             | 42.6                   | 11.48                   | 11.66            | 11.85                  | 499.38                  | 494.38           | 504.81                 |
| New Haven-Meriden .....                       | 42.2                 | 40.8             | 41.5                   | 10.30                   | 10.68            | 10.70                  | 434.66                  | 435.74           | 444.05                 |
| Stamford .....                                | 39.3                 | 41.1             | 41.2                   | 12.19                   | 11.90            | 11.97                  | 479.07                  | 489.09           | 493.16                 |
| Waterbury .....                               | 44.5                 | 42.0             | 42.7                   | 10.09                   | 10.33            | 10.48                  | 449.01                  | 433.86           | 447.50                 |
| <b>Delaware</b> .....                         | 40.6                 | 41.1             | 40.7                   | 10.24                   | 11.41            | 11.41                  | 415.74                  | 468.95           | 464.39                 |
| Wilmington .....                              | 41.7                 | 43.1             | 43.1                   | 12.61                   | 14.07            | 14.02                  | 525.84                  | 606.42           | 604.26                 |
| <b>District of Columbia:</b>                  |                      |                  |                        |                         |                  |                        |                         |                  |                        |
| Washington MSA .....                          | 39.5                 | 38.4             | 39.0                   | 11.58                   | 12.22            | 12.31                  | 457.41                  | 469.25           | 480.09                 |
| <b>Florida</b> .....                          | 41.0                 | 40.8             | 41.5                   | 8.53                    | 8.75             | 8.78                   | 349.73                  | 357.00           | 364.37                 |
| Fort Lauderdale-Hollywood-Pompano Beach ..... | 41.2                 | 41.0             | 41.2                   | 8.49                    | 8.69             | 8.80                   | 349.79                  | 356.29           | 362.56                 |
| Jacksonville .....                            | 40.9                 | 41.8             | 42.9                   | 9.14                    | 9.45             | 9.42                   | 373.83                  | 395.01           | 404.12                 |
| Miami-Hialeah .....                           | 39.7                 | 39.6             | 40.1                   | 7.27                    | 7.48             | 7.54                   | 288.62                  | 296.21           | 302.35                 |
| Orlando .....                                 | 40.3                 | 40.8             | 40.8                   | 9.23                    | 9.99             | 9.98                   | 371.97                  | 407.59           | 407.18                 |
| Pensacola .....                               | 43.4                 | 41.8             | 41.9                   | 10.92                   | 10.83            | 10.87                  | 473.93                  | 452.69           | 455.45                 |
| Tampa-St. Petersburg-Clearwater .....         | 41.2                 | 40.1             | 41.3                   | 8.37                    | 8.74             | 8.76                   | 344.84                  | 350.47           | 361.79                 |
| West Palm Beach-Boca Raton-Delray Beach ..... | 41.4                 | 41.4             | 43.2                   | 9.36                    | 9.39             | 9.62                   | 387.50                  | 388.75           | 415.58                 |
| <b>Georgia</b> .....                          | 41.6                 | 41.1             | 41.0                   | 8.71                    | 8.95             | 8.89                   | 362.34                  | 367.85           | 364.49                 |
| Atlanta .....                                 | 40.6                 | 42.2             | 41.7                   | 10.22                   | 10.42            | 10.29                  | 414.93                  | 439.72           | 429.09                 |
| Savannah .....                                | 48.1                 | 48.5             | 48.4                   | 11.54                   | 11.61            | 11.78                  | 555.07                  | 563.09           | 570.15                 |
| <b>Hawaii</b> .....                           | 40.6                 | 40.5             | 40.7                   | 9.87                    | 10.49            | 10.47                  | 400.72                  | 424.85           | 426.13                 |
| Honolulu .....                                | 41.2                 | 39.0             | 40.7                   | 10.07                   | 10.77            | 10.66                  | 414.88                  | 420.03           | 433.86                 |
| <b>Idaho</b> .....                            | 37.4                 | 38.8             | 38.3                   | 9.95                    | 10.53            | 10.50                  | 372.13                  | 408.56           | 402.15                 |
| <b>Illinois</b> .....                         | 41.5                 | 41.9             | 42.1                   | 11.03                   | 11.30            | 11.34                  | 457.75                  | 473.47           | 477.41                 |
| Aurora-Elgin .....                            | 43.2                 | 42.3             | 41.7                   | 10.57                   | 10.75            | 10.77                  | 456.62                  | 454.73           | 449.11                 |
| Bloomington-Normal .....                      | 40.6                 | 42.7             | 43.5                   | 11.43                   | 12.60            | 12.68                  | 464.06                  | 538.02           | 551.58                 |
| Champaign-Urbana-Rantoul .....                | 41.3                 | 40.1             | 41.5                   | 9.42                    | 10.20            | 10.34                  | 389.05                  | 409.02           | 429.11                 |
| Chicago .....                                 | 42.3                 | 41.9             | 42.2                   | 10.76                   | 10.94            | 10.99                  | 455.15                  | 458.39           | 463.78                 |
| Davenport-Rock Island-Moline .....            | 40.2                 | 41.4             | 40.6                   | 13.03                   | 12.75            | 12.92                  | 523.81                  | 527.85           | 524.55                 |
| Decatur .....                                 | 43.3                 | 42.6             | 42.6                   | 14.62                   | 14.97            | 14.95                  | 633.05                  | 637.72           | 636.87                 |
| Joliet .....                                  | 41.4                 | 42.4             | 42.1                   | 12.33                   | 12.64            | 12.73                  | 510.46                  | 535.94           | 535.93                 |
| Kankakee .....                                | 40.2                 | 41.3             | 41.6                   | 11.31                   | 11.59            | 11.63                  | 454.66                  | 478.67           | 483.81                 |
| Lake County .....                             | 42.3                 | 40.0             | 40.6                   | 11.78                   | 11.86            | 11.82                  | 498.29                  | 474.40           | 479.89                 |
| Peoria .....                                  | 45.9                 | 43.6             | 44.5                   | 13.53                   | 14.00            | 14.06                  | 621.03                  | 610.40           | 625.67                 |
| Rockford .....                                | 43.5                 | 41.6             | 43.3                   | 11.68                   | 12.06            | 12.23                  | 508.08                  | 501.70           | 529.56                 |
| Springfield .....                             | 43.0                 | 38.4             | 39.6                   | 11.99                   | 11.67            | 11.80                  | 515.57                  | 448.13           | 467.28                 |
| <b>Indiana</b> .....                          | 41.5                 | 41.3             | 41.8                   | 11.34                   | 11.68            | 11.72                  | 470.61                  | 482.38           | 489.90                 |

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

| State and area                   | Average weekly hours |           |                        | Average hourly earnings |           |                        | Average weekly earnings |           |                        |
|----------------------------------|----------------------|-----------|------------------------|-------------------------|-----------|------------------------|-------------------------|-----------|------------------------|
|                                  | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Iowa</b> .....                | 41.9                 | 41.3      | 41.3                   | \$10.84                 | \$10.95   | \$11.02                | \$454.20                | \$452.24  | \$455.13               |
| Cedar Rapids .....               | 41.0                 | 39.3      | 40.3                   | 12.65                   | 12.40     | 12.62                  | 518.65                  | 487.32    | 508.59                 |
| Des Moines .....                 | 42.8                 | 42.3      | 41.9                   | 11.81                   | 12.00     | 11.99                  | 505.47                  | 507.60    | 502.38                 |
| Dubuque .....                    | 39.8                 | 42.0      | 39.9                   | 11.66                   | 12.19     | 12.24                  | 464.07                  | 511.98    | 488.38                 |
| Sioux City .....                 | 35.5                 | 41.3      | 43.2                   | 8.30                    | 8.84      | 8.78                   | 294.65                  | 365.09    | 379.30                 |
| <b>Kansas</b> .....              | 40.7                 | 38.0      | 38.4                   | 10.43                   | 10.50     | 10.44                  | 424.50                  | 399.00    | 400.90                 |
| Topeka .....                     | 41.9                 | 39.7      | 42.7                   | 11.54                   | 12.51     | 12.02                  | 483.53                  | 496.65    | 513.25                 |
| Wichita .....                    | 41.8                 | 32.1      | 33.8                   | 11.12                   | 10.78     | 10.73                  | 464.82                  | 346.04    | 362.67                 |
| <b>Kentucky</b> .....            | 40.9                 | 39.7      | 40.2                   | 10.26                   | 10.34     | 10.34                  | 419.63                  | 410.50    | 415.67                 |
| Lexington-Fayette .....          | 40.7                 | 40.3      | 40.4                   | 10.58                   | 11.03     | 10.82                  | 430.61                  | 444.51    | 437.13                 |
| Louisville .....                 | 42.5                 | 40.5      | 41.1                   | 11.85                   | 11.74     | 11.68                  | 503.63                  | 475.47    | 480.05                 |
| <b>Louisiana</b> .....           | 43.1                 | 43.1      | 42.2                   | 10.95                   | 10.92     | 11.08                  | 471.95                  | 470.65    | 467.58                 |
| Baton Rouge .....                | 44.3                 | 43.8      | 44.5                   | 12.19                   | 12.97     | 12.76                  | 540.02                  | 568.09    | 567.82                 |
| New Orleans .....                | 41.6                 | 41.5      | 39.6                   | 10.76                   | 10.74     | 10.89                  | 447.62                  | 445.71    | 431.24                 |
| Shreveport .....                 | 42.0                 | 40.7      | 39.3                   | 11.94                   | 10.03     | 10.78                  | 501.48                  | 408.22    | 423.65                 |
| <b>Maine</b> .....               | 40.8                 | 40.0      | 40.0                   | 9.61                    | 10.08     | 10.21                  | 392.09                  | 403.20    | 408.40                 |
| Lewiston-Auburn .....            | 38.6                 | 37.6      | 38.9                   | 8.25                    | 9.10      | 9.03                   | 318.45                  | 342.16    | 351.27                 |
| Portland .....                   | 41.2                 | 40.2      | 39.1                   | 10.10                   | 10.65     | 10.68                  | 416.12                  | 428.13    | 417.59                 |
| <b>Maryland</b> .....            | 42.2                 | 41.7      | 41.8                   | 10.68                   | 11.05     | 11.14                  | 450.70                  | 460.79    | 465.65                 |
| Baltimore MSA .....              | 42.3                 | 41.5      | 41.6                   | 11.39                   | 11.61     | 11.68                  | 481.80                  | 481.82    | 485.89                 |
| <b>Massachusetts</b> .....       | 41.4                 | 40.5      | 40.9                   | 10.44                   | 10.91     | 10.92                  | 432.22                  | 441.86    | 446.63                 |
| Boston .....                     | 41.6                 | 40.1      | 40.7                   | 11.11                   | 11.65     | 11.73                  | 462.18                  | 467.17    | 477.41                 |
| Springfield .....                | 42.8                 | 41.5      | 41.9                   | 9.86                    | 10.08     | 10.11                  | 422.01                  | 418.32    | 423.61                 |
| Worcester .....                  | 41.6                 | 40.3      | 40.9                   | 10.63                   | 11.15     | 11.29                  | 442.21                  | 449.35    | 461.76                 |
| <b>Michigan</b> .....            | 44.3                 | 43.1      | 42.6                   | 13.46                   | 13.67     | 13.73                  | 596.28                  | 589.18    | 584.90                 |
| Ann Arbor .....                  | 47.3                 | 45.0      | 44.8                   | 14.64                   | 14.35     | 14.48                  | 692.47                  | 645.75    | 648.70                 |
| Battle Creek .....               | 43.6                 | 41.0      | 41.7                   | 14.41                   | 15.08     | 14.15                  | 628.28                  | 618.28    | 590.05                 |
| Detroit .....                    | 45.0                 | 43.8      | 43.5                   | 14.48                   | 14.78     | 14.77                  | 651.60                  | 647.36    | 642.49                 |
| Flint .....                      | 45.8                 | 44.7      | 43.9                   | 16.92                   | 17.41     | 17.48                  | 774.94                  | 778.23    | 767.37                 |
| Grand Rapids .....               | 41.8                 | 41.1      | 40.6                   | 11.44                   | 11.69     | 11.73                  | 478.19                  | 480.46    | 476.24                 |
| Jackson .....                    | 44.2                 | 41.7      | 41.1                   | 10.26                   | 10.91     | 10.79                  | 453.49                  | 454.95    | 443.47                 |
| Kalamazoo .....                  | 43.0                 | 41.5      | 42.4                   | 12.60                   | 13.10     | 12.99                  | 541.80                  | 543.65    | 550.78                 |
| Lansing-East Lansing .....       | 44.2                 | 42.4      | 38.4                   | 14.41                   | 15.21     | 15.00                  | 636.92                  | 644.90    | 576.00                 |
| Muskegon .....                   | 41.3                 | 41.6      | 40.0                   | 11.98                   | 12.44     | 12.45                  | 494.77                  | 517.50    | 498.00                 |
| Saginaw-Bay City-Midland .....   | 44.9                 | 41.9      | 42.2                   | 15.33                   | 15.26     | 15.55                  | 688.32                  | 639.39    | 656.21                 |
| <b>Minnesota</b> .....           | 40.5                 | 40.7      | 40.4                   | 10.66                   | 11.04     | 11.04                  | 431.73                  | 449.33    | 446.02                 |
| Duluth .....                     | 37.2                 | 39.3      | 37.1                   | 11.23                   | 11.50     | 11.30                  | 417.76                  | 451.95    | 419.23                 |
| Minneapolis-St. Paul .....       | 40.5                 | 40.8      | 40.4                   | 11.33                   | 11.81     | 11.73                  | 458.87                  | 481.85    | 473.89                 |
| St. Cloud .....                  | 37.8                 | 37.6      | 38.1                   | 10.06                   | 9.91      | 9.75                   | 380.27                  | 372.62    | 371.48                 |
| <b>Mississippi</b> .....         | 40.9                 | 39.9      | 39.7                   | 7.93                    | 8.03      | 8.12                   | 324.34                  | 320.40    | 322.36                 |
| Jackson .....                    | 40.9                 | 40.0      | 39.8                   | 8.74                    | 9.08      | 9.20                   | 357.47                  | 363.20    | 366.16                 |
| <b>Missouri</b> .....            | 41.3                 | 40.7      | 40.7                   | 10.28                   | 10.56     | 10.48                  | 424.56                  | 429.79    | 426.54                 |
| Kansas City .....                | 41.6                 | 40.1      | 39.9                   | 11.52                   | 11.47     | 11.39                  | 479.23                  | 459.95    | 454.46                 |
| St. Louis .....                  | 41.7                 | 41.8      | 42.1                   | 11.97                   | 12.45     | 12.32                  | 499.15                  | 520.41    | 518.67                 |
| Springfield .....                | 40.2                 | 39.7      | 39.3                   | 8.52                    | 8.68      | 8.69                   | 342.50                  | 344.60    | 341.52                 |
| <b>Montana</b> .....             | 39.5                 | 40.4      | 38.6                   | 10.71                   | 10.93     | 11.18                  | 423.05                  | 441.57    | 431.55                 |
| <b>Nebraska</b> .....            | 40.5                 | 40.7      | 41.0                   | 9.60                    | 9.68      | 9.64                   | 388.80                  | 393.98    | 395.24                 |
| Lincoln .....                    | 40.2                 | 40.5      | 39.5                   | 10.09                   | 10.20     | 10.09                  | 405.62                  | 413.10    | 398.56                 |
| Omaha .....                      | 40.8                 | 41.7      | 42.6                   | 10.47                   | 10.41     | 10.41                  | 427.18                  | 434.10    | 443.47                 |
| <b>Nevada</b> .....              | 40.3                 | 40.6      | 41.4                   | 10.14                   | 10.54     | 10.51                  | 408.64                  | 427.92    | 435.11                 |
| Las Vegas .....                  | 41.1                 | 42.4      | 43.5                   | 12.62                   | 12.96     | 12.78                  | 518.68                  | 549.50    | 555.93                 |
| <b>New Hampshire</b> .....       | 40.4                 | 40.4      | 41.0                   | 9.99                    | 10.49     | 10.58                  | 403.60                  | 423.80    | 433.78                 |
| Manchester .....                 | 39.4                 | 40.5      | 41.9                   | 10.42                   | 10.50     | 10.58                  | 410.55                  | 425.25    | 443.30                 |
| Nashua .....                     | 40.3                 | 40.6      | 41.9                   | 12.30                   | 13.08     | 13.23                  | 495.69                  | 531.05    | 554.34                 |
| Portsmouth-Dover-Rochester ..... | 42.5                 | 40.8      | 41.1                   | 9.39                    | 10.05     | 10.13                  | 399.08                  | 410.04    | 416.34                 |

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

| State and area                            | Average weekly hours |           |                        | Average hourly earnings |           |                        | Average weekly earnings |           |                        |
|---|----------------------|-----------|------------------------|-------------------------|-----------|------------------------|-------------------------|-----------|------------------------|
|   | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>New Jersey</b> .....                   | 41.3                 | 40.9      | 41.3                   | \$11.03                 | \$11.52   | \$11.63                | \$455.54                | \$471.17  | \$480.32               |
| <b>New Mexico</b> .....                   | 40.5                 | 39.7      | 39.7                   | 8.87                    | 8.49      | 9.00                   | 359.24                  | 337.05    | 357.30                 |
| Albuquerque .....                         | 40.1                 | 40.8      | 40.5                   | 9.51                    | 9.39      | 9.63                   | 381.35                  | 383.11    | 390.02                 |
| <b>New York</b> .....                     | 40.6                 | 39.7      | 40.2                   | 10.65                   | 10.86     | 10.86                  | 432.39                  | 431.14    | 436.57                 |
| Albany-Schenectady-Troy .....             | 42.0                 | 41.7      | 42.1                   | 11.51                   | 11.32     | 11.67                  | 483.42                  | 472.04    | 491.31                 |
| Binghamton .....                          | 39.7                 | 40.2      | 40.7                   | 9.84                    | 10.18     | 10.14                  | 390.65                  | 409.24    | 412.70                 |
| Buffalo .....                             | 44.1                 | 41.4      | 42.3                   | 12.43                   | 12.98     | 13.02                  | 548.16                  | 537.37    | 550.75                 |
| Elmira .....                              | 42.7                 | 39.8      | 41.7                   | 9.78                    | 9.76      | 9.75                   | 417.61                  | 388.45    | 406.58                 |
| Nassau-Suffolk .....                      | 40.2                 | 40.0      | 40.8                   | 11.55                   | 11.97     | 11.81                  | 464.31                  | 478.80    | 481.85                 |
| New York PMSA .....                       | 37.5                 | 36.9      | 37.4                   | 10.15                   | 10.15     | 10.17                  | 380.63                  | 374.54    | 380.36                 |
| New York City .....                       | 37.1                 | 36.4      | 36.9                   | 9.92                    | 9.99      | 9.98                   | 368.03                  | 363.64    | 368.26                 |
| Niagara Falls .....                       | 43.4                 | 41.4      | 42.0                   | 13.88                   | 13.89     | 13.91                  | 602.39                  | 575.05    | 584.22                 |
| Orange County .....                       | 38.9                 | 38.0      | 40.0                   | 8.67                    | 9.06      | 9.12                   | 337.26                  | 344.28    | 364.80                 |
| Poughkeepsie .....                        | 41.6                 | 40.3      | 40.3                   | 10.19                   | 11.06     | 10.97                  | 423.90                  | 445.72    | 442.09                 |
| Rochester .....                           | 44.3                 | 41.8      | 42.6                   | 12.51                   | 12.79     | 12.68                  | 554.19                  | 534.62    | 540.17                 |
| Rockland County .....                     | 35.7                 | 40.6      | 40.0                   | 11.11                   | 8.87      | 9.09                   | 396.63                  | 360.12    | 363.60                 |
| Syracuse .....                            | 42.7                 | 40.9      | 40.9                   | 12.44                   | 11.77     | 11.68                  | 531.19                  | 481.39    | 477.71                 |
| Utica-Rome .....                          | 42.9                 | 40.0      | 43.5                   | 9.86                    | 9.94      | 9.62                   | 422.99                  | 397.60    | 418.47                 |
| Westchester County .....                  | 41.8                 | 40.9      | 41.3                   | 11.64                   | 11.86     | 12.09                  | 486.55                  | 485.07    | 499.32                 |
| <b>North Carolina</b> .....               | 40.9                 | 40.7      | 40.7                   | 8.24                    | 8.47      | 8.48                   | 337.02                  | 344.73    | 345.14                 |
| Asheville .....                           | 41.8                 | 41.7      | 41.9                   | 8.29                    | 8.43      | 8.51                   | 346.52                  | 351.53    | 356.57                 |
| Charlotte-Gastonia-Rock Hill .....        | 41.0                 | 40.7      | 41.4                   | 8.61                    | 8.89      | 8.95                   | 353.01                  | 361.82    | 370.53                 |
| Greensboro-Winston-Salem-High Point ..... | 40.3                 | 39.7      | 39.3                   | 9.16                    | 9.26      | 9.22                   | 369.15                  | 367.62    | 362.35                 |
| Raleigh-Durham .....                      | 42.1                 | 41.2      | 41.9                   | 9.29                    | 9.52      | 9.64                   | 391.11                  | 392.22    | 403.92                 |
| <b>North Dakota</b> .....                 | 38.9                 | 42.1      | 40.3                   | 8.36                    | 8.77      | 8.85                   | 325.20                  | 369.22    | 356.66                 |
| Fargo-Moorhead .....                      | 39.3                 | 41.8      | 41.1                   | 8.43                    | 9.07      | 8.95                   | 331.30                  | 379.13    | 367.85                 |
| <b>Ohio</b> .....                         | 43.7                 | 42.5      | 42.7                   | 12.17                   | 12.31     | 12.37                  | 531.83                  | 523.18    | 528.20                 |
| Akron .....                               | 42.9                 | 42.1      | 42.7                   | 11.58                   | 11.58     | 11.73                  | 496.78                  | 487.52    | 500.87                 |
| Canton .....                              | 42.9                 | 41.6      | 41.7                   | 11.44                   | 11.46     | 11.79                  | 490.78                  | 476.74    | 491.64                 |
| Cincinnati .....                          | 43.1                 | 43.3      | 43.5                   | 11.31                   | 11.61     | 11.67                  | 487.46                  | 502.71    | 507.65                 |
| Cleveland .....                           | 43.9                 | 42.7      | 43.1                   | 12.03                   | 12.01     | 12.03                  | 528.12                  | 512.83    | 518.49                 |
| Columbus .....                            | 41.9                 | 41.9      | 42.4                   | 11.68                   | 12.20     | 12.20                  | 489.39                  | 511.18    | 517.28                 |
| Dayton-Springfield .....                  | 44.6                 | 42.6      | 42.9                   | 13.02                   | 12.91     | 13.00                  | 580.69                  | 549.97    | 557.70                 |
| Toledo .....                              | 45.1                 | 43.4      | 44.0                   | 13.43                   | 13.31     | 13.38                  | 605.69                  | 577.65    | 588.72                 |
| Youngstown-Warren .....                   | 43.4                 | 43.6      | 43.7                   | 13.68                   | 14.21     | 14.16                  | 593.71                  | 619.56    | 618.79                 |
| <b>Oklahoma</b> .....                     | 41.7                 | 42.1      | 42.2                   | 10.66                   | 10.60     | 10.52                  | 444.52                  | 446.26    | 443.94                 |
| Oklahoma City .....                       | 43.4                 | 43.3      | 43.8                   | 11.88                   | 11.25     | 11.28                  | 515.59                  | 487.13    | 494.06                 |
| Tulsa .....                               | 42.9                 | 42.2      | 41.5                   | 10.73                   | 10.96     | 10.82                  | 460.32                  | 462.51    | 449.03                 |
| <b>Oregon</b> .....                       | 39.2                 | 40.2      | 38.8                   | 10.65                   | 10.82     | 10.85                  | 417.48                  | 434.96    | 420.98                 |
| Eugene-Springfield .....                  | 39.6                 | 40.4      | 38.2                   | 10.47                   | 10.94     | 10.92                  | 414.61                  | 441.98    | 417.14                 |
| Portland .....                            | 40.0                 | 40.4      | 39.3                   | 10.83                   | 11.14     | 10.99                  | 433.20                  | 450.06    | 431.91                 |
| Salem .....                               | 37.7                 | 39.0      | 37.5                   | 8.92                    | 8.82      | 9.42                   | 336.28                  | 343.98    | 353.25                 |
| <b>Pennsylvania</b> .....                 | 41.6                 | 40.6      | 40.8                   | 10.41                   | 10.66     | 10.70                  | 433.06                  | 432.80    | 436.56                 |
| Allentown-Bethlehem .....                 | 40.5                 | 40.0      | 39.8                   | 10.53                   | 10.61     | 10.68                  | 426.47                  | 424.40    | 425.06                 |
| Altoona .....                             | 41.2                 | 39.5      | 40.4                   | 9.10                    | 9.41      | 9.50                   | 374.92                  | 371.70    | 383.80                 |
| Beaver County .....                       | 43.7                 | 42.2      | 42.4                   | 10.59                   | 10.74     | 10.68                  | 462.78                  | 453.23    | 452.83                 |
| Erie .....                                | 43.9                 | 42.8      | 44.3                   | 10.64                   | 10.79     | 10.88                  | 467.10                  | 461.81    | 481.98                 |
| Harrisburg-Lebanon-Carlisle .....         | 40.4                 | 39.9      | 41.0                   | 9.84                    | 10.11     | 10.28                  | 397.54                  | 403.39    | 421.48                 |
| Johnstown .....                           | 40.4                 | 38.9      | 39.7                   | 8.49                    | 8.54      | 8.71                   | 343.00                  | 332.21    | 345.79                 |
| Lancaster .....                           | 41.2                 | 40.7      | 40.9                   | 10.35                   | 10.72     | 10.86                  | 426.42                  | 436.30    | 444.17                 |
| Philadelphia PMSA .....                   | 41.1                 | 40.5      | 41.0                   | 11.50                   | 11.83     | 11.74                  | 472.65                  | 479.12    | 481.34                 |
| Pittsburgh .....                          | 42.7                 | 41.6      | 42.1                   | 11.28                   | 11.23     | 11.29                  | 481.66                  | 467.17    | 475.31                 |

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

| State and area                       | Average weekly hours |           |                        | Average hourly earnings |           |                        | Average weekly earnings |           |                        |
|--------------------------------------|----------------------|-----------|------------------------|-------------------------|-----------|------------------------|-------------------------|-----------|------------------------|
|                                      | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988               | Oct. 1989 | Nov. 1989 <sup>p</sup> |
| <b>Pennsylvania—Continued</b>        |                      |           |                        |                         |           |                        |                         |           |                        |
| Reading .....                        | 41.5                 | 41.6      | 40.9                   | \$11.00                 | \$11.13   | \$11.09                | \$456.50                | \$463.01  | \$453.58               |
| Scranton-Wilkes-Barre .....          | 39.3                 | 38.9      | 39.1                   | 9.01                    | 9.27      | 9.26                   | 354.09                  | 360.60    | 362.07                 |
| Williamsport .....                   | 40.3                 | 41.0      | 39.7                   | 9.20                    | 9.69      | 9.70                   | 370.76                  | 397.29    | 385.09                 |
| York .....                           | 42.6                 | 41.7      | 41.7                   | 9.92                    | 10.30     | 10.27                  | 422.59                  | 429.51    | 428.26                 |
| <b>Rhode Island</b>                  |                      |           |                        |                         |           |                        |                         |           |                        |
| Pawtucket-Woonsocket-Attleboro ..... | 39.2                 | 39.2      | 39.3                   | 8.79                    | 9.16      | 9.20                   | 344.57                  | 359.07    | 361.56                 |
| Providence .....                     | 39.4                 | 39.2      | 39.5                   | 8.35                    | 8.81      | 8.82                   | 328.99                  | 345.35    | 348.39                 |
|                                      | 39.1                 | 38.6      | 38.8                   | 8.62                    | 8.80      | 8.82                   | 337.04                  | 339.68    | 342.22                 |
| <b>South Carolina</b>                |                      |           |                        |                         |           |                        |                         |           |                        |
| Charleston .....                     | 41.4                 | 41.0      | 41.3                   | 8.34                    | 8.72      | 8.74                   | 345.28                  | 357.52    | 360.96                 |
| Columbia .....                       | 41.0                 | 40.9      | 41.0                   | 9.19                    | 9.57      | 9.58                   | 376.79                  | 391.41    | 392.78                 |
| Greenville-Spartanburg .....         | 41.4                 | 41.2      | 41.3                   | 8.49                    | 9.03      | 9.03                   | 351.49                  | 372.04    | 372.94                 |
|                                      | 41.2                 | 41.1      | 41.3                   | 8.31                    | 8.74      | 8.77                   | 342.37                  | 359.21    | 362.20                 |
| <b>South Dakota</b>                  |                      |           |                        |                         |           |                        |                         |           |                        |
| Sioux Falls .....                    | 41.1                 | 40.7      | 42.1                   | 8.16                    | 8.13      | 8.29                   | 335.38                  | 330.89    | 349.01                 |
|                                      | 45.1                 | 42.5      | 45.6                   | 8.40                    | 8.64      | 8.69                   | 378.84                  | 367.20    | 396.26                 |
| <b>Tennessee</b>                     |                      |           |                        |                         |           |                        |                         |           |                        |
| Chattanooga .....                    | 41.6                 | 40.9      | 41.1                   | 9.08                    | 9.28      | 9.31                   | 377.73                  | 379.55    | 382.64                 |
| Johnson City-Kingsport-Bristol ..... | 43.4                 | 40.3      | 40.1                   | 8.18                    | 8.51      | 8.54                   | 355.01                  | 342.95    | 342.45                 |
| Knoxville .....                      | 43.6                 | 41.4      | 42.4                   | 9.37                    | 9.40      | 9.69                   | 408.53                  | 389.16    | 410.86                 |
| Memphis .....                        | 40.8                 | 38.8      | 38.8                   | 8.93                    | 9.10      | 8.99                   | 364.34                  | 353.08    | 348.81                 |
| Nashville .....                      | 41.9                 | 41.2      | 41.4                   | 9.27                    | 9.42      | 9.58                   | 388.41                  | 388.10    | 396.61                 |
|                                      | 42.3                 | 40.7      | 41.3                   | 10.65                   | 10.57     | 10.64                  | 450.50                  | 430.20    | 439.43                 |
| <b>Texas</b>                         |                      |           |                        |                         |           |                        |                         |           |                        |
| Dallas .....                         | 41.8                 | 41.7      | 41.6                   | 10.01                   | 10.25     | 10.26                  | 418.42                  | 427.43    | 426.82                 |
| Ft. Worth-Arlington .....            | 41.6                 | 42.1      | 42.5                   | 10.05                   | 10.32     | 10.35                  | 418.08                  | 434.47    | 439.88                 |
| Houston .....                        | 41.1                 | 41.0      | 40.9                   | 10.73                   | 11.16     | 11.18                  | 441.00                  | 457.56    | 457.26                 |
| San Antonio .....                    | 44.1                 | 43.8      | 43.6                   | 11.44                   | 11.86     | 11.90                  | 504.50                  | 519.47    | 518.84                 |
|                                      | 39.8                 | 40.2      | 40.1                   | 7.44                    | 7.45      | 7.53                   | 296.11                  | 299.49    | 301.95                 |
| <b>Utah</b>                          |                      |           |                        |                         |           |                        |                         |           |                        |
| Salt Lake City-Ogden .....           | 41.0                 | 40.6      | 41.0                   | 9.99                    | 10.26     | 10.31                  | 409.59                  | 416.56    | 422.71                 |
|                                      | 41.1                 | 40.9      | 41.2                   | 9.81                    | 9.94      | 10.00                  | 403.19                  | 406.55    | 412.00                 |
| <b>Vermont</b>                       |                      |           |                        |                         |           |                        |                         |           |                        |
| Burlington .....                     | 40.9                 | 41.4      | 40.9                   | 9.73                    | 10.09     | 10.23                  | 397.96                  | 417.73    | 418.41                 |
|                                      | 41.5                 | 41.1      | 40.9                   | 10.27                   | 10.61     | 10.83                  | 426.21                  | 436.07    | 442.95                 |
| <b>Virginia</b>                      |                      |           |                        |                         |           |                        |                         |           |                        |
| Bristol .....                        | 41.7                 | 41.4      | 41.2                   | 9.48                    | 9.68      | 9.79                   | 395.32                  | 400.75    | 403.35                 |
| Charlottesville .....                | 42.7                 | 40.1      | 40.3                   | 7.79                    | 7.78      | 8.07                   | 332.63                  | 311.98    | 325.22                 |
| Danville .....                       | 43.3                 | 43.1      | 43.9                   | 7.76                    | 8.39      | 8.36                   | 336.01                  | 361.61    | 367.00                 |
| Lynchburg .....                      | 41.0                 | 40.3      | 40.5                   | 8.50                    | 8.67      | 8.76                   | 348.50                  | 349.40    | 354.78                 |
| Northern Virginia .....              | 41.4                 | 41.7      | 41.6                   | 9.16                    | 9.48      | 9.49                   | 379.22                  | 395.32    | 394.78                 |
| Richmond-Petersburg .....            | 40.3                 | 40.8      | 40.5                   | 10.81                   | 11.30     | 11.34                  | 435.64                  | 461.04    | 459.27                 |
| Roanoke .....                        | 41.8                 | 42.0      | 42.1                   | 12.07                   | 12.66     | 12.80                  | 504.53                  | 531.72    | 538.88                 |
|                                      | 41.7                 | 40.5      | 40.7                   | 9.83                    | 9.78      | 9.69                   | 409.91                  | 396.09    | 394.38                 |
| <b>Washington</b>                    |                      |           |                        |                         |           |                        |                         |           |                        |
|                                      | 40.5                 | 34.2      | 31.9                   | 11.93                   | 11.76     | 11.71                  | 483.17                  | 402.19    | 373.55                 |
| <b>West Virginia</b>                 |                      |           |                        |                         |           |                        |                         |           |                        |
| Charleston .....                     | 41.7                 | 41.6      | 41.3                   | 10.84                   | 11.23     | 11.43                  | 452.03                  | 467.17    | 472.06                 |
| Huntington-Ashland .....             | 46.4                 | 44.4      | 42.2                   | 13.83                   | 15.03     | 14.77                  | 641.71                  | 667.33    | 623.29                 |
| Parkersburg-Marietta .....           | 41.3                 | 40.6      | 39.6                   | 12.60                   | 13.49     | 11.96                  | 520.38                  | 547.69    | 473.62                 |
| Wheeling .....                       | 42.6                 | 42.4      | 40.6                   | 12.84                   | 14.11     | 13.90                  | 546.98                  | 598.26    | 564.34                 |
|                                      | 43.0                 | 40.7      | 44.2                   | 12.34                   | 11.96     | 12.73                  | 530.62                  | 486.77    | 562.67                 |
| <b>Wisconsin</b>                     |                      |           |                        |                         |           |                        |                         |           |                        |
| Appleton-Oshkosh .....               | 42.2                 | 41.5      | 41.1                   | 10.72                   | 10.83     | 10.91                  | 452.38                  | 449.45    | 448.40                 |
| Eau Claire .....                     | 43.7                 | 43.5      | 43.3                   | 11.40                   | 11.83     | 11.98                  | 498.18                  | 514.61    | 518.73                 |
| Green Bay .....                      | 40.7                 | 43.7      | 40.9                   | 10.63                   | 10.88     | 10.79                  | 432.64                  | 475.46    | 441.31                 |
| Janesville-Beloit .....              | 43.2                 | 42.0      | 40.4                   | 11.46                   | 11.62     | 12.09                  | 495.07                  | 488.04    | 488.44                 |
| Kenosha .....                        | 45.0                 | 43.5      | 43.3                   | 13.03                   | 13.41     | 13.61                  | 586.35                  | 583.34    | 589.31                 |
| La Crosse .....                      | 45.2                 | 38.8      | 38.6                   | 13.93                   | 11.35     | 11.41                  | 629.64                  | 440.38    | 440.43                 |
| Madison .....                        | 41.9                 | 42.2      | 41.1                   | 9.14                    | 9.36      | 9.63                   | 382.97                  | 394.99    | 395.79                 |
| Milwaukee .....                      | 41.1                 | 42.1      | 40.8                   | 9.73                    | 10.00     | 10.01                  | 399.90                  | 421.00    | 408.41                 |
| Racine .....                         | 42.0                 | 41.4      | 41.1                   | 11.65                   | 11.58     | 11.56                  | 489.30                  | 479.41    | 475.12                 |
| Wausau .....                         | 40.2                 | 40.2      | 39.0                   | 10.80                   | 11.13     | 11.19                  | 434.16                  | 447.43    | 436.41                 |
|                                      | 42.1                 | 43.2      | 41.9                   | 10.10                   | 10.35     | 10.30                  | 425.21                  | 447.12    | 431.57                 |
| <b>Wyoming</b>                       |                      |           |                        |                         |           |                        |                         |           |                        |
|                                      | 38.7                 | 40.1      | 39.1                   | 9.87                    | 10.16     | 10.26                  | 381.97                  | 407.42    | 401.17                 |
| <b>Puerto Rico</b>                   |                      |           |                        |                         |           |                        |                         |           |                        |
|                                      | 37.4                 | 40.4      | 40.7                   | 5.63                    | 5.82      | 5.84                   | 210.56                  | 235.13    | 237.69                 |
| <b>Virgin Islands</b>                |                      |           |                        |                         |           |                        |                         |           |                        |
|                                      | 41.4                 | 39.7      | 44.0                   | 10.26                   | 11.34     | 11.85                  | 424.76                  | 450.20    | 521.40                 |

<sup>1</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this

publication. All State and area data have been adjusted to March 1988 benchmarks.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted**

| Industry                                  | Millions of hours (annual rate) <sup>1</sup> |                        |                        | Percent change                      |                                     |                                     |
|---|--|------------------------|------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|   | Oct. 1989 <sup>r</sup>                       | Nov. 1989 <sup>r</sup> | Dec. 1989 <sup>p</sup> | Dec. 1988 to Dec. 1989 <sup>p</sup> | Oct. 1989 to Nov. 1989 <sup>r</sup> | Nov. 1989 to Dec. 1989 <sup>p</sup> |
| Total .....                               | 203,369                                      | 204,756                | 202,635                | 1.7                                 | 0.7                                 | -1.0                                |
| Private sector .....                      | 167,415                                      | 167,172                | 166,776                | 1.6                                 | -.1                                 | -.2                                 |
| Mining .....                              | 1,661  | 1,662                  | 1,647                  | 5.5                                 | .1                                  | -.9                                 |
| Construction .....                        | 10,610                                       | 10,778                 | 10,441                 | 1.6                                 | 1.6                                 | -3.1                                |
| Manufacturing .....                       | 41,533                                       | 41,429                 | 41,306                 | -1.0                                | -.3                                 | -.3                                 |
| Durable goods .....                       | 24,588                                       | 24,515                 | 24,461                 | -2.0                                | -.3                                 | -.2                                 |
| Nondurable goods .....                    | 16,945                                       | 16,915                 | 16,846                 | .5                                  | -.2                                 | -.4                                 |
| Transportation and public utilities ..... | 11,729                                       | 11,709                 | 11,858                 | 2.6                                 | -.2                                 | 1.3                                 |
| Wholesale trade .....                     | 12,458                                       | 12,457                 | 12,482                 | 3.0                                 | .0                                  | .2                                  |
| Retail trade .....                        | 29,617                                       | 29,546                 | 29,274                 | -.1                                 | -.2                                 | -.9                                 |
| Finance, insurance, and real estate ..... | 12,884                                       | 12,768                 | 12,810                 | 1.9                                 | -.9                                 | .3                                  |
| Services .....                            | 46,923                                       | 46,822                 | 46,956                 | 4.4                                 | -.2                                 | .3                                  |
| Government .....                          | 35,954                                       | 37,584                 | 35,859                 | 2.2                                 | 4.5                                 | -4.6                                |

<sup>1</sup> Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

NOTE: 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 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors.

SOURCE: Office of Productivity and Technology (202 523 9261).

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted

(1977 = 100)

| Item                                 | Annual average |       | Quarterly index |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------|----------------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                      | 1987           | 1988  | 1987            |       |       |       | 1988  |       |       |       | 1989  |       |       |
|                                      |                |       | I               | II    | III   | IV    | I     | II    | III   | IV    | I     | II    | III   |
| <b>Business sector</b>               |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per hour of all persons ..... | 111.1          | 113.0 | 110.0           | 110.7 | 111.7 | 112.5 | 113.2 | 112.6 | 113.4 | 113.5 | 113.8 | 114.2 | 114.7 |
| Output .....                         | 133.4          | 140.0 | 130.4           | 132.2 | 134.4 | 136.7 | 138.2 | 139.3 | 140.7 | 141.9 | 143.6 | 144.4 | 145.6 |
| Hours .....                          | 120.1          | 123.9 | 118.6           | 119.5 | 120.3 | 121.5 | 122.1 | 123.8 | 124.0 | 125.0 | 126.2 | 126.4 | 127.0 |
| Compensation per hour .....          | 191.0          | 200.2 | 188.3           | 189.5 | 191.8 | 195.1 | 196.4 | 199.1 | 201.9 | 204.5 | 206.9 | 210.4 | 212.8 |
| Real compensation per hour .....     | 101.9          | 102.5 | 101.9           | 101.4 | 101.7 | 102.5 | 102.3 | 102.5 | 102.8 | 103.0 | 102.8 | 102.9 | 103.5 |
| Unit labor costs .....               | 171.9          | 177.1 | 171.2           | 171.3 | 171.6 | 173.5 | 173.5 | 176.9 | 178.0 | 180.2 | 181.9 | 184.1 | 185.5 |
| Unit nonlabor payments .....         | 166.3          | 170.9 | 162.6           | 166.5 | 168.9 | 167.2 | 168.9 | 168.8 | 171.8 | 173.7 | 174.7 | 176.3 | 176.7 |
| Implicit price deflator .....        | 170.0          | 174.9 | 168.2           | 169.6 | 170.7 | 171.3 | 171.9 | 174.1 | 175.8 | 177.9 | 179.4 | 181.4 | 182.4 |
| <b>Nonfarm business sector</b>       |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per hour of all persons ..... | 108.9          | 111.1 | 107.7           | 108.6 | 109.5 | 110.2 | 111.0 | 110.5 | 111.5 | 112.0 | 111.6 | 111.9 | 112.6 |
| Output .....                         | 133.1          | 140.3 | 130.0           | 132.0 | 134.1 | 136.4 | 138.0 | 139.5 | 141.1 | 142.8 | 143.6 | 144.6 | 145.9 |
| Hours .....                          | 122.2          | 126.3 | 120.7           | 121.5 | 122.4 | 123.7 | 124.3 | 126.2 | 126.6 | 127.5 | 128.6 | 129.2 | 129.6 |
| Compensation per hour .....          | 189.8          | 198.7 | 187.1           | 188.3 | 190.5 | 193.8 | 195.0 | 197.5 | 200.2 | 203.0 | 205.5 | 208.3 | 211.0 |
| Real compensation per hour .....     | 101.2          | 101.8 | 101.3           | 100.7 | 101.0 | 101.8 | 101.5 | 101.7 | 101.9 | 102.3 | 102.1 | 101.9 | 102.7 |
| Unit labor costs .....               | 174.2          | 178.8 | 173.6           | 173.4 | 173.9 | 175.8 | 175.7 | 178.7 | 179.6 | 181.3 | 184.1 | 186.1 | 187.4 |
| Unit nonlabor payments .....         | 167.7          | 172.2 | 164.1           | 167.6 | 170.3 | 168.7 | 170.3 | 169.8 | 172.1 | 176.3 | 174.6 | 176.5 | 177.9 |
| Implicit price deflator .....        | 172.0          | 176.5 | 170.3           | 171.4 | 172.6 | 173.4 | 173.8 | 175.6 | 177.0 | 179.6 | 180.8 | 182.8 | 184.1 |
| <b>Manufacturing</b>                 |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per hour of all persons ..... | 132.9          | 136.5 | 131.5           | 133.3 | 134.3 | 134.7 | 135.5 | 136.3 | 137.8 | 138.6 | 139.4 | 140.7 | 141.1 |
| Output .....                         | 130.1          | 138.1 | 127.2           | 128.7 | 131.1 | 133.5 | 135.0 | 136.9 | 139.3 | 141.1 | 142.2 | 143.4 | 143.8 |
| Hours .....                          | 97.9           | 101.2 | 96.7            | 96.6  | 97.7  | 99.1  | 99.7  | 100.5 | 101.1 | 101.8 | 102.0 | 101.9 | 102.0 |
| Compensation per hour .....          | 189.2          | 196.0 | 188.8           | 189.0 | 190.4 | 191.7 | 194.3 | 195.3 | 197.4 | 200.2 | 201.9 | 203.2 | 206.2 |
| Real compensation per hour .....     | 100.9          | 100.4 | 102.2           | 101.1 | 100.9 | 100.7 | 101.2 | 100.6 | 100.5 | 100.8 | 100.3 | 99.4  | 100.3 |
| Unit labor costs .....               | 142.3          | 143.6 | 143.5           | 141.8 | 141.8 | 142.3 | 143.4 | 143.3 | 143.2 | 144.4 | 144.8 | 144.4 | 146.2 |
| <b>Durable goods</b>                 |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per hour of all persons ..... | 139.5          | 142.8 | 138.7           | 140.3 | 141.1 | 141.8 | 142.5 | 143.3 | 144.4 | 144.9 | 145.6 | 147.7 | 148.3 |
| Output .....                         | 136.0          | 145.0 | 133.3           | 134.2 | 136.5 | 139.9 | 141.3 | 144.0 | 146.4 | 148.3 | 149.1 | 150.3 | 150.4 |
| Hours .....                          | 97.5           | 101.5 | 96.1            | 95.7  | 96.7  | 98.6  | 99.2  | 100.5 | 101.4 | 102.3 | 102.4 | 101.7 | 101.4 |
| Compensation per hour .....          | 187.4          | 192.6 | 188.3           | 187.8 | 188.9 | 189.8 | 192.6 | 192.4 | 193.9 | 196.9 | 198.8 | 199.6 | 202.7 |
| Real compensation per hour .....     | 100.0          | 98.7  | 102.0           | 100.5 | 100.2 | 99.7  | 100.3 | 99.1  | 98.7  | 99.2  | 98.8  | 97.7  | 98.6  |
| Unit labor costs .....               | 134.3          | 134.9 | 135.8           | 133.9 | 133.9 | 133.8 | 135.2 | 134.3 | 134.3 | 135.9 | 136.5 | 135.1 | 136.7 |
| <b>Nondurable goods</b>              |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per hour of all persons ..... | 123.2          | 127.0 | 121.0           | 123.1 | 124.3 | 124.3 | 125.1 | 125.9 | 128.0 | 129.0 | 130.0 | 130.3 | 130.3 |
| Output .....                         | 121.4          | 127.8 | 118.0           | 120.5 | 123.1 | 124.0 | 125.6 | 126.4 | 128.8 | 130.3 | 131.8 | 133.1 | 134.0 |
| Hours .....                          | 98.6           | 100.6 | 97.6            | 97.9  | 99.0  | 99.8  | 100.4 | 100.4 | 100.6 | 101.0 | 101.3 | 102.2 | 102.8 |
| Compensation per hour .....          | 192.5          | 201.8 | 189.9           | 191.5 | 193.3 | 195.2 | 197.5 | 200.5 | 203.4 | 205.7 | 207.2 | 209.7 | 212.4 |
| Real compensation per hour .....     | 102.7          | 103.4 | 102.8           | 102.5 | 102.5 | 102.6 | 102.9 | 103.3 | 103.5 | 103.6 | 103.0 | 102.6 | 103.3 |
| Unit labor costs .....               | 156.2          | 158.9 | 156.9           | 155.6 | 155.5 | 157.0 | 157.8 | 159.3 | 158.9 | 159.4 | 159.3 | 160.9 | 163.0 |
| <b>Nonfinancial corporations</b>     |                |       |                 |       |       |       |       |       |       |       |       |       |       |
| Output per all-employee hour .....   | 112.1          | 114.7 | 110.4           | 111.6 | 113.0 | 113.5 | 114.6 | 114.7 | 115.1 | 114.9 | 114.5 | 114.5 | 115.3 |
| Output .....                         | 135.3          | 143.5 | 131.5           | 133.9 | 136.9 | 138.9 | 141.2 | 142.8 | 144.3 | 145.4 | 145.8 | 146.5 | 148.0 |
| Hours .....                          | 120.8          | 125.1 | 119.1           | 120.0 | 121.1 | 122.4 | 123.2 | 124.5 | 125.4 | 126.5 | 127.4 | 128.0 | 128.4 |
| Compensation per hour .....          | 186.1          | 194.1 | 183.7           | 184.8 | 186.9 | 189.5 | 190.9 | 193.1 | 195.5 | 197.8 | 200.2 | 202.8 | 205.5 |
| Real compensation per hour .....     | 99.3           | 99.4  | 99.4            | 98.9  | 99.1  | 99.6  | 99.4  | 99.5  | 99.5  | 99.6  | 99.5  | 99.3  | 100.0 |
| Total unit costs .....               | 171.2          | 174.6 | 171.0           | 170.8 | 170.8 | 172.1 | 171.9 | 173.6 | 175.2 | 177.5 | 180.4 | 182.9 | 184.7 |
| Unit labor costs .....               | 166.1          | 169.3 | 166.3           | 165.5 | 165.3 | 167.0 | 166.6 | 168.4 | 169.9 | 172.1 | 174.9 | 177.1 | 178.2 |
| Unit nonlabor costs .....            | 186.4          | 190.3 | 185.0           | 186.3 | 186.9 | 187.2 | 187.8 | 188.9 | 191.0 | 193.3 | 196.9 | 200.1 | 204.0 |
| Unit profits .....                   | 123.0          | 128.8 | 118.1           | 122.5 | 129.3 | 122.0 | 127.0 | 129.1 | 127.5 | 131.6 | 119.6 | 116.6 | 113.1 |
| Implicit price deflator .....        | 165.4          | 169.1 | 164.7           | 165.0 | 165.8 | 166.1 | 166.5 | 168.2 | 169.5 | 172.0 | 173.1 | 175.0 | 176.1 |

SOURCE: Office of Productivity and Technology (202 523 9261).



**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates**

| Item                                 | Percent change from |             |            |           |            |             |                             |             |            |           |            |             |
|--------------------------------------|---------------------|-------------|------------|-----------|------------|-------------|-----------------------------|-------------|------------|-----------|------------|-------------|
|                                      | Previous quarter    |             |            |           |            |             | Same quarter, previous year |             |            |           |            |             |
|                                      | II<br>1988          | III<br>1988 | IV<br>1988 | I<br>1989 | II<br>1989 | III<br>1989 | II<br>1988                  | III<br>1988 | IV<br>1988 | I<br>1989 | II<br>1989 | III<br>1989 |
| <b>Business sector</b>               |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per hour of all persons ..... | -2.1                | 3.1         | 0.2        | 1.1       | 1.6        | 1.7         | 1.7                         | 1.5         | 0.9        | 0.5       | 1.5        | 1.1         |
| Output .....                         | 3.3                 | 4.0         | 3.4        | 4.8       | 2.3        | 3.6         | 5.4                         | 4.7         | 3.8        | 3.9       | 3.6        | 3.5         |
| Hours .....                          | 5.5                 | .9          | 3.2        | 3.7       | .6         | 1.9         | 3.6                         | 3.1         | 2.9        | 3.3       | 2.1        | 2.4         |
| Compensation per hour .....          | 5.7                 | 5.8         | 5.2        | 4.8       | 6.8        | 4.7         | 5.1                         | 5.3         | 4.8        | 5.4       | 5.6        | 5.4         |
| Real compensation per hour .....     | 1.1                 | 1.0         | .7         | -.6       | .4         | 2.3         | 1.1                         | 1.1         | .4         | .6        | .4         | .7          |
| Unit labor costs .....               | 8.0                 | 2.6         | 5.0        | 3.7       | 5.1        | 3.0         | 3.3                         | 3.7         | 3.9        | 4.8       | 4.1        | 4.2         |
| Unit nonlabor payments .....         | -.2                 | 7.1         | 4.6        | 2.4       | 3.5        | 1.1         | 1.4                         | 1.7         | 3.9        | 3.4       | 4.4        | 2.9         |
| Implicit price deflator .....        | 5.1                 | 4.1         | 4.8        | 3.3       | 4.6        | 2.4         | 2.6                         | 3.0         | 3.9        | 4.3       | 4.2        | 3.8         |
| <b>Nonfarm business sector</b>       |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per hour of all persons ..... | -1.6                | 3.3         | 1.9        | -1.3      | 1.1        | 2.5         | 1.8                         | 1.7         | 1.6        | .6        | 1.3        | 1.0         |
| Output .....                         | 4.4                 | 4.6         | 4.8        | 2.4       | 2.8        | 3.7         | 5.7                         | 5.2         | 4.7        | 4.1       | 3.7        | 3.4         |
| Hours .....                          | 6.1                 | 1.2         | 2.8        | 3.7       | 1.7        | 1.3         | 3.8                         | 3.4         | 3.0        | 3.5       | 2.4        | 2.4         |
| Compensation per hour .....          | 5.4                 | 5.4         | 5.9        | 4.9       | 5.6        | 5.3         | 4.9                         | 5.1         | 4.8        | 5.4       | 5.5        | 5.4         |
| Real compensation per hour .....     | .8                  | .7          | 1.4        | -.5       | -.7        | 2.8         | 1.0                         | .9          | .4         | .6        | .2         | .7          |
| Unit labor costs .....               | 7.1                 | 2.0         | 3.8        | 6.2       | 4.5        | 2.8         | 3.1                         | 3.3         | 3.1        | 4.8       | 4.1        | 4.3         |
| Unit nonlabor payments .....         | -1.0                | 5.4         | 10.1       | -3.7      | 4.2        | 3.2         | 1.3                         | 1.1         | 4.5        | 2.6       | 3.9        | 3.4         |
| Implicit price deflator .....        | 4.3                 | 3.2         | 5.9        | 2.8       | 4.4        | 2.9         | 2.5                         | 2.5         | 3.6        | 4.0       | 4.1        | 4.0         |
| <b>Manufacturing</b>                 |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per hour of all persons ..... | 2.5                 | 4.7         | 2.2        | 2.4       | 3.7        | 1.0         | 2.3                         | 2.7         | 2.9        | 2.9       | 3.2        | 2.3         |
| Output .....                         | 5.8                 | 7.1         | 5.1        | 3.1       | 3.5        | 1.2         | 6.4                         | 6.2         | 5.6        | 5.3       | 4.7        | 3.2         |
| Hours .....                          | 3.2                 | 2.4         | 2.9        | .7        | -.2        | .2          | 4.0                         | 3.5         | 2.7        | 2.3       | 1.4        | .9          |
| Compensation per hour .....          | 2.2                 | 4.3         | 5.7        | 3.5       | 2.7        | 5.9         | 3.4                         | 3.7         | 4.4        | 3.9       | 4.0        | 4.4         |
| Real compensation per hour .....     | -2.3                | -.4         | 1.2        | -1.9      | -3.5       | 3.5         | -.5                         | -.4         | .1         | -.8       | -1.1       | -.2         |
| Unit labor costs .....               | -.3                 | -.3         | 3.5        | 1.0       | -1.0       | 4.9         | 1.1                         | 1.0         | 1.5        | 1.0       | .8         | 2.1         |
| <b>Durable goods</b>                 |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per hour of all persons ..... | 2.3                 | 3.2         | 1.5        | 1.9       | 5.9        | 1.7         | 2.1                         | 2.3         | 2.2        | 2.2       | 3.1        | 2.7         |
| Output .....                         | 7.7                 | 6.8         | 5.3        | 2.2       | 3.2        | .4          | 7.3                         | 7.2         | 6.0        | 5.5       | 4.4        | 2.8         |
| Hours .....                          | 5.3                 | 3.4         | 3.8        | .3        | -2.5       | -1.3        | 5.0                         | 4.8         | 3.7        | 3.2       | 1.2        | .0          |
| Compensation per hour .....          | -.4                 | 3.3         | 6.3        | 3.8       | 1.7        | 6.4         | 2.4                         | 2.6         | 3.8        | 3.2       | 3.8        | 4.5         |
| Real compensation per hour .....     | -4.8                | -1.3        | 1.8        | -1.5      | -4.4       | 4.0         | -1.4                        | -1.4        | -.5        | -1.5      | -1.4       | -.1         |
| Unit labor costs .....               | -2.6                | .1          | 4.8        | 1.8       | -4.0       | 4.7         | .3                          | .3          | 1.5        | 1.0       | .6         | 1.8         |
| <b>Nondurable goods</b>              |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per hour of all persons ..... | 2.5                 | 6.9         | 3.2        | 3.3       | .7         | .2          | 2.3                         | 2.9         | 3.8        | 3.9       | 3.5        | 1.8         |
| Output .....                         | 2.7                 | 7.7         | 4.8        | 4.7       | 4.0        | 2.6         | 4.9                         | 4.6         | 5.0        | 5.0       | 5.3        | 4.0         |
| Hours .....                          | .2                  | .8          | 1.6        | 1.4       | 3.3        | 2.4         | 2.6                         | 1.6         | 1.2        | 1.0       | 1.8        | 2.2         |
| Compensation per hour .....          | 6.2                 | 5.8         | 4.6        | 2.9       | 4.9        | 5.4         | 4.7                         | 5.2         | 5.4        | 4.9       | 4.6        | 4.5         |
| Real compensation per hour .....     | 1.6                 | 1.0         | .1         | -2.4      | -1.4       | 2.9         | .8                          | 1.0         | 1.0        | .1        | -.6        | -.2         |
| Unit labor costs .....               | 3.7                 | -1.0        | 1.4        | -.4       | 4.2        | 5.2         | 2.4                         | 2.2         | 1.5        | .9        | 1.0        | 2.6         |
| <b>Nonfinancial corporations</b>     |                     |             |            |           |            |             |                             |             |            |           |            |             |
| Output per all-employee hour .....   | .4                  | 1.3         | -.4        | -1.7      | .1         | 2.9         | 2.8                         | 1.8         | 1.3        | -.1       | -.2        | .2          |
| Output .....                         | 4.6                 | 4.3         | 3.2        | 1.0       | 2.0        | 4.2         | 6.6                         | 5.4         | 4.7        | 3.2       | 2.6        | 2.6         |
| Hours .....                          | 4.2                 | 2.9         | 3.6        | 2.7       | 1.8        | 1.3         | 3.8                         | 3.5         | 3.4        | 3.4       | 2.8        | 2.3         |
| Compensation per hour .....          | 4.9                 | 4.9         | 4.8        | 4.9       | 5.4        | 5.3         | 4.5                         | 4.6         | 4.4        | 4.9       | 5.0        | 5.1         |
| Real compensation per hour .....     | .3                  | .2          | .4         | -.5       | -.9        | 2.9         | .6                          | .4          | .0         | .1        | -.2        | .4          |
| Total unit costs .....               | 3.9                 | 3.9         | 5.2        | 6.9       | 5.7        | 3.9         | 1.6                         | 2.6         | 3.1        | 5.0       | 5.4        | 5.4         |
| Unit labor costs .....               | 4.5                 | 3.6         | 5.3        | 6.6       | 5.3        | 2.4         | 1.7                         | 2.8         | 3.1        | 5.0       | 5.2        | 4.9         |
| Unit nonlabor costs .....            | 2.5                 | 4.6         | 4.9        | 7.5       | 6.7        | 8.0         | 1.4                         | 2.2         | 3.3        | 4.9       | 5.9        | 6.8         |
| Unit profits .....                   | 6.8                 | -4.7        | 13.3       | -31.7     | -9.7       | -11.6       | 5.4                         | -1.3        | 7.9        | -5.8      | -9.7       | -11.3       |
| Implicit price deflator .....        | 4.2                 | 3.1         | 5.9        | 2.8       | 4.3        | 2.6         | 2.0                         | 2.2         | 3.5        | 4.0       | 4.0        | 3.9         |

SOURCE: Office of Productivity and Technology (202 523 9261).

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| State and area                                | Civilian labor force |           |                        | Unemployed |           |                        |                        |           |                        |
|---|----------------------|-----------|------------------------|------------|-----------|------------------------|------------------------|-----------|------------------------|
|   |                      |           |                        | Number     |           |                        | Percent of labor force |           |                        |
|   | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>a</sup> | Nov. 1988  | Oct. 1989 | Nov. 1989 <sup>a</sup> | Nov. 1988              | Oct. 1989 | Nov. 1989 <sup>a</sup> |
| <b>Alabama</b> .....                          | 1,914.8              | 1,953.3   | 1,954.7                | 138.6      | 126.1     | 123.7                  | 7.2                    | 6.5       | 6.3                    |
| Birmingham .....                              | 441.6                | 453.8     | 453.1                  | 25.9       | 24.1      | 23.3                   | 5.9                    | 5.3       | 5.1                    |
| Huntsville .....                              | 134.9                | 140.9     | 141.3                  | 6.9        | 6.7       | 6.8                    | 5.1                    | 4.8       | 4.8                    |
| Mobile .....                                  | 211.1                | 212.4     | 213.4                  | 19.3       | 16.3      | 15.7                   | 9.2                    | 7.7       | 7.4                    |
| Montgomery .....                              | 138.5                | 139.5     | 140.1                  | 8.9        | 8.5       | 8.1                    | 6.4                    | 6.1       | 5.8                    |
| Tuscaloosa .....                              | 71.5                 | 74.4      | 74.0                   | 3.6        | 3.6       | 3.1                    | 5.0                    | 4.8       | 4.2                    |
| <b>Alaska</b> .....                           | 240.7                | 236.8     | 237.6                  | 22.0       | 16.9      | 16.4                   | 9.1                    | 7.1       | 6.9                    |
| <b>Arizona</b> .....                          | 1,693.7              | 1,704.3   | 1,705.4                | 96.8       | 82.4      | 75.0                   | 5.7                    | 4.8       | 4.4                    |
| Phoenix .....                                 | 1,045.1              | 1,056.2   | 1,057.4                | 50.6       | 43.5      | 39.8                   | 4.8                    | 4.1       | 3.8                    |
| Tucson .....                                  | 319.8                | 320.7     | 320.0                  | 15.5       | 13.6      | 11.6                   | 4.8                    | 4.3       | 3.6                    |
| <b>Arkansas</b> .....                         | 1,141.5              | 1,167.1   | 1,160.3                | 71.9       | 63.9      | 70.5                   | 6.3                    | 5.5       | 6.1                    |
| Fayetteville-Springdale .....                 | 63.5                 | 64.9      | 64.6                   | 2.5        | 1.8       | 2.0                    | 3.9                    | 2.7       | 3.1                    |
| Fort Smith .....                              | 93.9                 | 92.3      | 93.1                   | 6.5        | 6.4       | 7.1                    | 6.9                    | 7.0       | 7.6                    |
| Little Rock-North Little Rock .....           | 272.5                | 276.4     | 277.4                  | 14.3       | 14.3      | 14.2                   | 5.3                    | 5.2       | 5.1                    |
| Pine Bluff .....                              | 38.3                 | 39.2      | 38.7                   | 2.6        | 2.4       | 2.4                    | 6.7                    | 6.1       | 6.1                    |
| <b>California</b> <sup>1</sup> .....          | 14,201.6             | 14,475.2  | 14,468.9               | 723.8      | 659.4     | 707.6                  | 5.1                    | 4.6       | 4.9                    |
| Anaheim-Santa Ana .....                       | 1,373.8              | 1,399.0   | 1,370.3                | 40.3       | 40.4      | 34.0                   | 2.9                    | 2.9       | 2.5                    |
| Bakersfield .....                             | 225.4                | 232.8     | 227.9                  | 23.7       | 24.5      | 25.2                   | 10.5                   | 10.5      | 11.1                   |
| Fresno .....                                  | 301.1                | 307.6     | 297.3                  | 33.3       | 28.3      | 31.8                   | 11.0                   | 9.2       | 10.7                   |
| Los Angeles-Long Beach <sup>1</sup> .....     | 4,160.3              | 4,210.8   | 4,450.0                | 185.6      | 176.8     | 229.0                  | 4.5                    | 4.2       | 5.2                    |
| Modesto .....                                 | 158.2                | 164.6     | 157.7                  | 18.1       | 14.4      | 16.7                   | 11.5                   | 8.8       | 10.6                   |
| Oakland .....                                 | 1,093.7              | 1,123.0   | 1,105.9                | 47.2       | 41.6      | 38.2                   | 4.3                    | 3.7       | 3.5                    |
| Oxnard-Ventura .....                          | 358.0                | 367.3     | 361.4                  | 20.4       | 18.2      | 18.9                   | 5.7                    | 5.0       | 5.2                    |
| Riverside-San Bernardino .....                | 954.1                | 970.6     | 950.9                  | 54.2       | 56.1      | 51.0                   | 5.7                    | 5.8       | 5.4                    |
| Sacramento .....                              | 722.8                | 744.6     | 729.1                  | 37.5       | 31.9      | 30.0                   | 5.2                    | 4.3       | 4.1                    |
| San Diego .....                               | 1,152.0              | 1,189.7   | 1,162.5                | 47.2       | 45.1      | 39.5                   | 4.1                    | 3.8       | 3.4                    |
| San Francisco .....                           | 897.9                | 905.6     | 886.8                  | 29.0       | 26.1      | 23.0                   | 3.2                    | 2.9       | 2.6                    |
| San Jose .....                                | 848.5                | 849.6     | 830.0                  | 32.7       | 29.6      | 26.4                   | 3.9                    | 3.5       | 3.2                    |
| Santa Barbara-Santa Maria-Lompoc .....        | 182.6                | 184.2     | 178.5                  | 7.6        | 7.0       | 6.5                    | 4.2                    | 3.8       | 3.7                    |
| Santa Rosa-Petaluma .....                     | 196.4                | 202.0     | 195.3                  | 9.4        | 7.4       | 6.8                    | 4.8                    | 3.7       | 3.5                    |
| Stockton .....                                | 194.4                | 195.3     | 189.6                  | 19.3       | 15.6      | 18.1                   | 9.9                    | 8.0       | 9.5                    |
| Vallejo-Fairfield-Napa .....                  | 194.1                | 202.0     | 195.7                  | 10.5       | 9.1       | 8.7                    | 5.4                    | 4.5       | 4.4                    |
| <b>Colorado</b> .....                         | 1,712.2              | 1,690.1   | 1,711.2                | 105.4      | 80.5      | 81.5                   | 6.2                    | 4.8       | 4.8                    |
| Boulder-Longmont .....                        | 134.0                | 132.1     | 134.1                  | 6.5        | 4.7       | 4.7                    | 4.8                    | 3.6       | 3.5                    |
| Denver .....                                  | 886.2                | 875.5     | 884.2                  | 50.8       | 38.9      | 38.2                   | 5.7                    | 4.4       | 4.3                    |
| <b>Connecticut</b> .....                      | 1,719.4              | 1,767.9   | 1,746.4                | 46.9       | 62.6      | 58.8                   | 2.7                    | 3.5       | 3.4                    |
| Bridgeport-Milford .....                      | 225.1                | 232.7     | 229.6                  | 7.5        | 10.4      | 9.7                    | 3.3                    | 4.5       | 4.2                    |
| Hartford .....                                | 417.4                | 427.5     | 421.9                  | 11.0       | 13.5      | 12.6                   | 2.6                    | 3.2       | 3.0                    |
| New Britain .....                             | 71.1                 | 72.7      | 72.0                   | 2.1        | 2.8       | 2.9                    | 2.9                    | 3.9       | 4.0                    |
| New Haven-Meriden .....                       | 271.8                | 283.1     | 280.4                  | 6.8        | 9.7       | 8.9                    | 2.5                    | 3.4       | 3.2                    |
| Stamford .....                                | 113.0                | 115.5     | 113.8                  | 2.1        | 2.9       | 2.6                    | 1.9                    | 2.5       | 2.3                    |
| Waterbury .....                               | 99.3                 | 101.2     | 100.7                  | 3.3        | 4.6       | 4.6                    | 3.3                    | 4.6       | 4.5                    |
| <b>Delaware</b> .....                         | 351.5                | 366.5     | 367.5                  | 9.3        | 12.8      | 10.2                   | 2.7                    | 3.5       | 2.8                    |
| Wilmington .....                              | 304.5                | 309.3     | 311.3                  | 9.1        | 12.4      | 10.0                   | 3.0                    | 4.0       | 3.2                    |
| <b>District of Columbia</b> .....             | 331.7                | 330.3     | 328.0                  | 14.4       | 14.5      | 15.3                   | 4.4                    | 4.4       | 4.7                    |
| Washington .....                              | 2,211.8              | 2,287.7   | 2,287.5                | 61.7       | 61.0      | 56.9                   | 2.8                    | 2.7       | 2.5                    |
| <b>Florida</b> <sup>1</sup> .....             | 6,120.1              | 6,284.0   | 6,269.9                | 318.3      | 358.7     | 349.0                  | 5.2                    | 5.7       | 5.6                    |
| Daytona Beach .....                           | 150.2                | 154.0     | 153.0                  | 7.4        | 7.7       | 8.4                    | 4.9                    | 5.0       | 5.5                    |
| Fort Lauderdale-Hollywood-Pompano Beach ..... | 637.0                | 643.9     | 645.6                  | 27.1       | 32.6      | 33.2                   | 4.2                    | 5.1       | 5.1                    |
| Fort Myers-Cape Coral .....                   | 142.7                | 148.1     | 149.5                  | 5.2        | 6.2       | 5.9                    | 3.6                    | 4.2       | 4.0                    |
| Jacksonville .....                            | 457.9                | 469.1     | 465.6                  | 25.3       | 26.9      | 27.9                   | 5.5                    | 5.7       | 6.0                    |
| Melbourne-Titusville-Palm Bay .....           | 184.9                | 190.2     | 188.9                  | 8.8        | 9.7       | 9.7                    | 4.8                    | 5.1       | 5.1                    |
| Miami-Hialeah .....                           | 939.5                | 966.8     | 958.8                  | 52.2       | 62.1      | 58.3                   | 5.6                    | 6.4       | 6.1                    |
| Orlando .....                                 | 579.3                | 601.6     | 596.2                  | 27.9       | 31.3      | 29.9                   | 4.8                    | 5.2       | 5.0                    |
| Pensacola .....                               | 147.6                | 149.5     | 147.3                  | 9.7        | 10.3      | 9.8                    | 6.6                    | 6.9       | 6.6                    |
| Sarasota .....                                | 122.1                | 125.5     | 125.0                  | 4.1        | 4.7       | 4.4                    | 3.4                    | 3.7       | 3.5                    |
| Tallahassee .....                             | 129.8                | 135.4     | 132.7                  | 5.1        | 5.5       | 4.9                    | 3.9                    | 4.1       | 3.7                    |
| Tampa-St. Petersburg-Clearwater .....         | 993.3                | 1,008.5   | 1,003.4                | 48.4       | 50.1      | 49.2                   | 4.9                    | 5.0       | 4.9                    |
| West Palm Beach-Boca Raton-Delray Beach ..... | 421.9                | 435.3     | 437.7                  | 21.7       | 26.8      | 24.7                   | 5.1                    | 6.2       | 5.6                    |

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| State and area                     | Civilian labor force |           |                        | Unemployed |           |                        |                        |           |                        |
|------------------------------------|----------------------|-----------|------------------------|------------|-----------|------------------------|------------------------|-----------|------------------------|
|                                    |                      |           |                        | Number     |           |                        | Percent of labor force |           |                        |
|                                    | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988  | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988              | Oct. 1989 | Nov. 1989 <sup>p</sup> |
| <b>Georgia</b> .....               | 3,252.4              | 3,292.4   | 3,289.1                | 175.0      | 201.7     | 186.4                  | 5.4                    | 6.1       | 5.7                    |
| Athens .....                       | 78.5                 | 78.8      | 78.8                   | 3.6        | 3.8       | 3.5                    | 4.6                    | 4.9       | 4.5                    |
| Atlanta .....                      | 1,525.9              | 1,556.3   | 1,563.0                | 73.5       | 87.8      | 87.7                   | 4.8                    | 5.6       | 5.6                    |
| Augusta .....                      | 183.5                | 184.0     | 182.9                  | 9.6        | 9.7       | 8.5                    | 5.2                    | 5.3       | 4.7                    |
| Columbus .....                     | 102.7                | 103.2     | 102.8                  | 6.4        | 6.5       | 5.5                    | 6.2                    | 6.3       | 5.4                    |
| Macon-Warner Robins .....          | 134.0                | 136.3     | 136.9                  | 6.2        | 7.8       | 6.8                    | 4.6                    | 5.7       | 5.0                    |
| Savannah .....                     | 114.7                | 115.2     | 114.7                  | 6.5        | 6.6       | 5.4                    | 5.7                    | 5.7       | 4.8                    |
| <b>Hawaii</b> .....                | 516.4                | 523.3     | 527.6                  | 16.9       | 13.2      | 14.7                   | 3.3                    | 2.5       | 2.8                    |
| Honolulu .....                     | 382.4                | 386.6     | 390.4                  | 11.1       | 9.1       | 10.2                   | 2.9                    | 2.3       | 2.6                    |
| <b>Idaho</b> .....                 | 481.2                | 476.7     | 477.9                  | 22.1       | 19.3      | 20.8                   | 4.6                    | 4.0       | 4.4                    |
| Boise City .....                   | 109.0                | 106.4     | 109.8                  | 3.3        | 3.5       | 3.3                    | 3.0                    | 3.2       | 3.0                    |
| <b>Illinois</b> <sup>1</sup> ..... | 5,854.3              | 5,954.3   | 5,978.5                | 381.2      | 373.6     | 378.1                  | 6.5                    | 6.3       | 6.3                    |
| Aurora-Elgin .....                 | 182.9                | 187.6     | 190.8                  | 9.4        | 10.0      | 11.1                   | 5.1                    | 5.3       | 5.8                    |
| Bloomington-Normal .....           | 70.2                 | 74.4      | 74.9                   | 3.5        | 3.2       | 3.5                    | 5.0                    | 4.3       | 4.6                    |
| Champaign-Urbana-Rantoul .....     | 91.1                 | 92.8      | 93.4                   | 4.2        | 3.6       | 3.6                    | 4.6                    | 3.8       | 3.8                    |
| Chicago .....                      | 3,228.2              | 3,282.2   | 3,301.6                | 192.2      | 202.0     | 196.3                  | 6.0                    | 6.2       | 5.9                    |
| Davenport-Rock Island-Moline ..... | 182.8                | 181.2     | 181.3                  | 13.9       | 12.2      | 12.5                   | 7.6                    | 6.7       | 6.9                    |
| Decatur .....                      | 58.9                 | 59.8      | 59.9                   | 5.2        | 4.5       | 4.3                    | 8.8                    | 7.6       | 7.2                    |
| Joliet .....                       | 194.6                | 196.3     | 198.9                  | 13.3       | 13.0      | 14.9                   | 6.8                    | 6.6       | 7.5                    |
| Kankakee .....                     | 43.9                 | 45.0      | 45.2                   | 3.7        | 3.5       | 3.6                    | 8.4                    | 7.7       | 8.0                    |
| Lake County .....                  | 279.0                | 293.0     | 298.4                  | 11.7       | 11.5      | 14.0                   | 4.2                    | 3.9       | 4.7                    |
| Peoria .....                       | 157.7                | 160.7     | 160.8                  | 10.7       | 9.9       | 9.8                    | 6.8                    | 6.2       | 6.1                    |
| Rockford .....                     | 148.6                | 150.4     | 151.5                  | 10.1       | 9.5       | 10.2                   | 6.8                    | 6.3       | 6.7                    |
| Springfield .....                  | 110.5                | 111.3     | 111.5                  | 6.2        | 5.8       | 5.5                    | 5.6                    | 5.2       | 4.9                    |
| <b>Indiana</b> .....               | 2,859.3              | 2,908.7   | 2,876.4                | 137.0      | 149.0     | 137.9                  | 4.8                    | 5.1       | 4.8                    |
| Anderson .....                     | 60.4                 | 61.5      | 59.6                   | 3.0        | 3.6       | 3.3                    | 5.0                    | 5.8       | 5.6                    |
| Bloomington .....                  | 64.6                 | 67.3      | 66.9                   | 2.0        | 1.8       | 1.8                    | 3.1                    | 2.6       | 2.8                    |
| Elkhart-Goshen .....               | 98.5                 | 100.3     | 98.6                   | 3.9        | 5.2       | 5.3                    | 4.0                    | 5.2       | 5.4                    |
| Evansville .....                   | 146.0                | 145.6     | 146.4                  | 7.7        | 7.4       | 8.1                    | 5.3                    | 5.1       | 5.5                    |
| Fort Wayne .....                   | 203.7                | 206.8     | 206.0                  | 9.7        | 10.5      | 10.0                   | 4.8                    | 5.1       | 4.9                    |
| Gary-Hammond .....                 | 259.7                | 267.8     | 266.6                  | 13.9       | 14.7      | 14.4                   | 5.3                    | 5.5       | 5.4                    |
| Indianapolis .....                 | 687.9                | 700.2     | 689.9                  | 30.7       | 33.0      | 26.8                   | 4.5                    | 4.7       | 3.9                    |
| Lafayette-West Lafayette .....     | 69.0                 | 71.1      | 69.9                   | 1.8        | 2.4       | 2.1                    | 2.6                    | 3.4       | 3.0                    |
| Muncie .....                       | 62.2                 | 61.7      | 61.6                   | 3.2        | 2.9       | 3.0                    | 5.2                    | 4.7       | 4.8                    |
| South Bend-Mishawaka .....         | 134.6                | 137.6     | 137.1                  | 6.4        | 6.6       | 6.4                    | 4.8                    | 4.8       | 4.7                    |
| Terre Haute .....                  | 60.2                 | 60.5      | 59.9                   | 3.0        | 2.7       | 2.7                    | 5.0                    | 4.4       | 4.6                    |
| <b>Iowa</b> .....                  | 1,519.1              | 1,526.9   | 1,512.3                | 57.1       | 59.6      | 62.7                   | 3.8                    | 3.9       | 4.1                    |
| Cedar Rapids .....                 | 97.5                 | 96.6      | 96.3                   | 2.9        | 3.6       | 3.5                    | 3.0                    | 3.7       | 3.7                    |
| Des Moines .....                   | 238.1                | 235.8     | 234.3                  | 8.0        | 8.2       | 7.9                    | 3.4                    | 3.5       | 3.4                    |
| Dubuque .....                      | 44.6                 | 44.3      | 44.3                   | 1.9        | 1.9       | 2.5                    | 4.3                    | 4.2       | 5.8                    |
| Sioux City .....                   | 61.2                 | 59.8      | 59.6                   | 2.4        | 2.1       | 2.1                    | 3.9                    | 3.4       | 3.5                    |
| Waterloo-Cedar Falls .....         | 72.8                 | 72.3      | 72.3                   | 3.0        | 3.4       | 3.8                    | 4.2                    | 4.8       | 5.2                    |
| <b>Kansas</b> .....                | 1,282.7              | 1,264.2   | 1,267.8                | 58.3       | 53.0      | 49.3                   | 4.5                    | 4.2       | 3.9                    |
| Topeka .....                       | 92.2                 | 89.3      | 91.1                   | 4.4        | 3.8       | 3.7                    | 4.7                    | 4.2       | 4.1                    |
| Wichita .....                      | 257.4                | 260.0     | 258.7                  | 11.8       | 15.2      | 10.3                   | 4.6                    | 5.8       | 4.0                    |
| <b>Kentucky</b> .....              | 1,734.8              | 1,713.4   | 1,761.0                | 112.2      | 87.6      | 91.1                   | 6.5                    | 5.1       | 5.2                    |
| Lexington-Fayette .....            | 201.7                | 201.4     | 208.6                  | 8.0        | 6.2       | 6.7                    | 4.0                    | 3.1       | 3.2                    |
| Louisville .....                   | 511.1                | 507.9     | 524.1                  | 25.9       | 22.7      | 26.5                   | 5.1                    | 4.5       | 5.1                    |
| Owensboro .....                    | 44.9                 | 43.9      | 44.9                   | 2.9        | 2.6       | 2.1                    | 6.5                    | 5.9       | 4.8                    |
| <b>Louisiana</b> .....             | 1,916.4              | 1,927.8   | 1,939.6                | 199.1      | 125.1     | 138.8                  | 10.4                   | 6.5       | 7.2                    |
| Alexandria .....                   | 60.0                 | 60.8      | 61.2                   | 5.9        | 3.8       | 4.3                    | 9.8                    | 6.2       | 7.1                    |
| Baton Rouge .....                  | 271.1                | 273.4     | 275.7                  | 25.5       | 15.0      | 17.2                   | 9.4                    | 5.5       | 6.2                    |
| Houma-Thibodaux .....              | 69.7                 | 69.9      | 71.1                   | 6.7        | 3.9       | 4.4                    | 9.6                    | 5.6       | 6.2                    |
| Lafayette .....                    | 100.4                | 101.8     | 101.8                  | 9.4        | 5.4       | 5.9                    | 9.4                    | 5.3       | 5.8                    |
| Monroe .....                       | 69.0                 | 69.1      | 69.6                   | 6.8        | 4.3       | 4.5                    | 9.9                    | 6.2       | 6.5                    |
| New Orleans .....                  | 597.9                | 605.3     | 608.0                  | 55.7       | 36.0      | 39.4                   | 9.3                    | 5.9       | 6.5                    |
| Shreveport .....                   | 161.0                | 160.2     | 161.1                  | 16.4       | 14.3      | 13.0                   | 10.2                   | 8.9       | 8.0                    |
| <b>Maine</b> .....                 | 604.1                | 625.5     | 625.5                  | 23.1       | 23.3      | 27.2                   | 3.8                    | 3.7       | 4.3                    |
| Lewiston-Auburn .....              | 42.5                 | 43.1      | 43.9                   | 1.9        | 2.0       | 2.5                    | 4.5                    | 4.8       | 5.8                    |
| Portland .....                     | 130.6                | 135.5     | 136.9                  | 2.8        | 3.4       | 3.4                    | 2.2                    | 2.5       | 2.5                    |

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| State and area                          | Civilian labor force |           |                        | Unemployed |           |                        |                        |           |                        |
|---|----------------------|-----------|------------------------|------------|-----------|------------------------|------------------------|-----------|------------------------|
|   |                      |           |                        | Number     |           |                        | Percent of labor force |           |                        |
|   | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988  | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988              | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>Maryland</b> .....                   | 2,480.3              | 2,545.0   | 2,560.0                | 100.0      | 92.4      | 91.1                   | 4.0                    | 3.6       | 3.6                    |
| Baltimore .....                         | 1,187.6              | 1,210.8   | 1,222.2                | 51.0       | 47.3      | 48.4                   | 4.3                    | 3.9       | 4.0                    |
| <b>Massachusetts</b> <sup>1</sup> ..... | 3,139.7              | 3,113.3   | 3,133.4                | 110.6      | 127.9     | 126.9                  | 3.5                    | 4.1       | 4.0                    |
| Boston .....                            | 1,556.4              | 1,528.8   | 1,540.6                | 46.6       | 54.1      | 52.7                   | 3.0                    | 3.5       | 3.4                    |
| Brockton .....                          | 98.9                 | 99.0      | 100.2                  | 4.0        | 4.9       | 4.9                    | 4.0                    | 5.0       | 4.9                    |
| Fall River .....                        | 76.5                 | 75.1      | 75.7                   | 4.0        | 4.8       | 4.8                    | 5.2                    | 6.4       | 6.4                    |
| Fitchburg-Leominster .....              | 46.9                 | 46.1      | 46.8                   | 2.2        | 2.5       | 2.4                    | 4.7                    | 5.4       | 5.1                    |
| Lawrence-Haverhill .....                | 186.7                | 188.8     | 190.2                  | 8.0        | 11.5      | 11.0                   | 4.3                    | 6.1       | 5.8                    |
| Lowell .....                            | 152.5                | 153.0     | 153.1                  | 5.9        | 7.7       | 7.3                    | 3.9                    | 5.0       | 4.7                    |
| New Bedford .....                       | 86.1                 | 84.9      | 86.4                   | 4.2        | 5.3       | 5.8                    | 4.9                    | 6.3       | 6.7                    |
| Pittsfield .....                        | 40.6                 | 40.3      | 40.6                   | 2.2        | 1.7       | 1.7                    | 5.5                    | 4.2       | 4.2                    |
| Springfield .....                       | 250.9                | 248.1     | 250.1                  | 9.0        | 10.5      | 9.7                    | 3.6                    | 4.2       | 3.9                    |
| Worcester .....                         | 224.5                | 225.8     | 228.7                  | 6.9        | 9.0       | 8.9                    | 3.1                    | 4.0       | 3.9                    |
| <b>Michigan</b> <sup>1</sup> .....      | 4,678.8              | 4,759.4   | 4,736.5                | 316.6      | 368.5     | 327.2                  | 6.8                    | 7.7       | 6.9                    |
| Ann Arbor .....                         | 168.2                | 170.4     | 171.1                  | 5.4        | 8.7       | 6.8                    | 3.2                    | 5.1       | 4.0                    |
| Battle Creek .....                      | 65.6                 | 67.7      | 68.2                   | 4.0        | 5.5       | 5.9                    | 6.1                    | 8.1       | 8.6                    |
| Benton Harbor .....                     | 81.1                 | 81.7      | 80.6                   | 5.7        | 6.9       | 5.8                    | 7.0                    | 8.4       | 7.1                    |
| Detroit .....                           | 2,239.7              | 2,270.4   | 2,250.5                | 149.6      | 181.7     | 144.5                  | 6.7                    | 8.0       | 6.4                    |
| Flint .....                             | 190.1                | 197.2     | 193.9                  | 21.0       | 25.1      | 22.4                   | 11.0                   | 12.7      | 11.6                   |
| Grand Rapids .....                      | 372.4                | 379.8     | 381.8                  | 18.6       | 21.9      | 20.9                   | 5.0                    | 5.8       | 5.5                    |
| Jackson .....                           | 67.6                 | 68.2      | 68.3                   | 4.8        | 4.9       | 4.6                    | 7.1                    | 7.1       | 6.8                    |
| Kalamazoo .....                         | 121.7                | 123.7     | 123.8                  | 5.5        | 6.7       | 6.1                    | 4.5                    | 5.4       | 4.9                    |
| Lansing-East Lansing .....              | 251.3                | 253.8     | 256.6                  | 13.7       | 14.6      | 17.0                   | 5.5                    | 5.7       | 6.6                    |
| Muskegon .....                          | 70.0                 | 70.3      | 69.4                   | 6.2        | 7.1       | 5.9                    | 8.9                    | 10.1      | 8.5                    |
| Saginaw-Bay City-Midland .....          | 189.4                | 192.9     | 192.2                  | 12.2       | 14.7      | 12.3                   | 6.4                    | 7.6       | 6.4                    |
| <b>Minnesota</b> .....                  | 2,342.5              | 2,376.4   | 2,382.5                | 74.4       | 86.8      | 83.1                   | 3.2                    | 3.7       | 3.5                    |
| Duluth .....                            | 105.9                | 107.7     | 108.6                  | 4.5        | 5.2       | 5.0                    | 4.3                    | 4.8       | 4.6                    |
| Minneapolis-St. Paul .....              | 1,401.5              | 1,421.4   | 1,431.5                | 39.0       | 49.2      | 43.1                   | 2.8                    | 3.5       | 3.0                    |
| Rochester .....                         | 62.1                 | 62.9      | 63.3                   | 1.6        | 1.7       | 1.5                    | 2.5                    | 2.7       | 2.4                    |
| St. Cloud .....                         | 99.0                 | 97.5      | 98.4                   | 3.5        | 3.6       | 4.8                    | 3.5                    | 3.7       | 4.9                    |
| <b>Mississippi</b> .....                | 1,151.7              | 1,163.8   | 1,169.1                | 105.3      | 75.1      | 80.9                   | 9.1                    | 6.5       | 6.9                    |
| Jackson .....                           | 199.8                | 205.2     | 206.3                  | 13.1       | 9.5       | 9.9                    | 6.6                    | 4.6       | 4.8                    |
| <b>Missouri</b> .....                   | 2,581.7              | 2,628.0   | 2,618.9                | 140.2      | 136.0     | 139.6                  | 5.4                    | 5.2       | 5.3                    |
| Kansas City .....                       | 844.7                | 843.5     | 847.1                  | 42.2       | 39.0      | 37.1                   | 5.0                    | 4.6       | 4.4                    |
| St. Louis LMA .....                     | 1,261.1              | 1,269.9   | 1,266.4                | 71.6       | 68.0      | 69.4                   | 5.7                    | 5.4       | 5.5                    |
| Springfield .....                       | 125.4                | 127.4     | 128.7                  | 5.4        | 5.8       | 5.4                    | 4.3                    | 4.6       | 4.2                    |
| <b>Montana</b> .....                    | 403.0                | 400.6     | 395.8                  | 22.4       | 21.2      | 23.6                   | 5.6                    | 5.3       | 6.0                    |
| <b>Nebraska</b> .....                   | 831.0                | 826.1     | 823.8                  | 25.3       | 22.6      | 23.7                   | 3.0                    | 2.7       | 2.9                    |
| Lincoln .....                           | 130.9                | 128.9     | 131.1                  | 3.0        | 2.8       | 2.6                    | 2.3                    | 2.2       | 2.0                    |
| Omaha .....                             | 332.9                | 328.8     | 331.0                  | 11.3       | 11.2      | 10.3                   | 3.4                    | 3.4       | 3.1                    |
| <b>Nevada</b> .....                     | 600.5                | 610.7     | 611.7                  | 25.3       | 29.9      | 29.5                   | 4.2                    | 4.9       | 4.8                    |
| Las Vegas .....                         | 352.1                | 360.3     | 362.1                  | 15.0       | 18.1      | 17.4                   | 4.3                    | 5.0       | 4.8                    |
| Reno .....                              | 142.8                | 142.0     | 141.8                  | 5.6        | 6.3       | 6.2                    | 3.9                    | 4.4       | 4.4                    |
| <b>New Hampshire</b> .....              | 617.0                | 639.1     | 642.1                  | 14.1       | 24.9      | 26.1                   | 2.3                    | 3.9       | 4.1                    |
| Manchester .....                        | 87.4                 | 86.7      | 88.8                   | 1.7        | 3.3       | 3.1                    | 1.9                    | 3.8       | 3.5                    |
| Nashua .....                            | 100.6                | 100.9     | 103.0                  | 2.9        | 4.8       | 4.9                    | 2.9                    | 4.7       | 4.8                    |
| Portsmouth-Dover-Rochester .....        | 134.1                | 135.9     | 138.1                  | 2.3        | 3.6       | 4.2                    | 1.7                    | 2.7       | 3.0                    |
| <b>New Jersey</b> <sup>1</sup> .....    | 3,953.2              | 3,987.4   | 4,037.8                | 139.4      | 191.5     | 189.5                  | 3.5                    | 4.8       | 4.7                    |
| Atlantic City .....                     | 174.7                | 180.6     | 180.9                  | 10.4       | 11.7      | 12.9                   | 6.0                    | 6.5       | 7.2                    |
| Bergen-Passaic .....                    | 717.1                | 722.2     | 734.6                  | 21.4       | 31.1      | 31.9                   | 3.0                    | 4.3       | 4.3                    |
| Jersey City .....                       | 268.7                | 273.6     | 277.7                  | 15.0       | 20.1      | 20.3                   | 5.6                    | 7.3       | 7.3                    |
| Middlesex-Somerset-Hunterdon .....      | 564.6                | 570.2     | 577.5                  | 13.8       | 20.0      | 18.9                   | 2.4                    | 3.5       | 3.3                    |
| Monmouth-Ocean .....                    | 469.8                | 482.7     | 485.4                  | 15.0       | 21.2      | 20.8                   | 3.2                    | 4.4       | 4.3                    |
| Newark .....                            | 945.4                | 950.7     | 963.6                  | 34.0       | 49.6      | 46.3                   | 3.6                    | 5.2       | 4.8                    |
| Trenton .....                           | 172.2                | 170.7     | 173.0                  | 4.7        | 6.2       | 5.9                    | 2.7                    | 3.7       | 3.4                    |
| Vineyard-Millville-Bridgeton .....      | 58.2                 | 58.2      | 59.1                   | 4.3        | 4.3       | 4.7                    | 7.4                    | 7.4       | 8.0                    |
| <b>New Mexico</b> .....                 | 687.7                | 701.8     | 704.0                  | 44.0       | 41.6      | 40.8                   | 6.4                    | 5.9       | 5.8                    |
| Albuquerque .....                       | 263.2                | 268.0     | 268.4                  | 13.3       | 12.7      | 13.0                   | 5.0                    | 4.7       | 4.8                    |
| Las Cruces .....                        | 57.2                 | 59.4      | 60.0                   | 3.3        | 3.6       | 3.4                    | 5.8                    | 6.1       | 5.7                    |
| Santa Fe .....                          | 66.2                 | 67.4      | 68.0                   | 2.8        | 2.7       | 2.4                    | 4.2                    | 4.0       | 3.5                    |

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| State and area                            | Civilian labor force |           |                        | Unemployed |           |                        |                        |           |                        |
|---|----------------------|-----------|------------------------|------------|-----------|------------------------|------------------------|-----------|------------------------|
|   |                      |           |                        | Number     |           |                        | Percent of labor force |           |                        |
|   | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988  | Oct. 1989 | Nov. 1989 <sup>P</sup> | Nov. 1988              | Oct. 1989 | Nov. 1989 <sup>P</sup> |
| <b>New York<sup>1</sup></b> .....         | 8,583.1              | 8,675.2   | 8,760.3                | 372.3      | 401.6     | 443.0                  | 4.3                    | 4.6       | 5.1                    |
| Albany-Schenectady-Troy .....             | 426.0                | 434.8     | 429.5                  | 15.5       | 15.5      | 15.2                   | 3.6                    | 3.6       | 3.5                    |
| Binghamton .....                          | 129.1                | 128.2     | 126.2                  | 4.9        | 5.2       | 5.2                    | 3.8                    | 4.0       | 4.1                    |
| Buffalo .....                             | 453.1                | 462.6     | 455.8                  | 22.9       | 23.0      | 23.0                   | 5.1                    | 5.0       | 5.0                    |
| Elmira .....                              | 43.0                 | 44.5      | 43.6                   | 1.7        | 2.2       | 2.1                    | 3.9                    | 5.0       | 4.9                    |
| Nassau-Suffolk .....                      | 1,443.7              | 1,448.1   | 1,421.5                | 48.6       | 59.4      | 50.8                   | 3.4                    | 4.1       | 3.6                    |
| New York .....                            | 3,921.1              | 3,947.5   | 4,113.1                | 178.3      | 200.7     | 243.5                  | 4.5                    | 5.1       | 5.9                    |
| New York City <sup>1</sup> .....          | 3,238.0              | 3,262.3   | 3,438.0                | 157.8      | 176.9     | 223.0                  | 4.9                    | 5.4       | 6.5                    |
| Orange County .....                       | 135.3                | 137.7     | 135.2                  | 5.3        | 6.6       | 6.3                    | 3.9                    | 4.8       | 4.6                    |
| Poughkeepsie .....                        | 130.0                | 132.2     | 129.9                  | 3.6        | 4.0       | 3.5                    | 2.8                    | 3.0       | 2.7                    |
| Rochester .....                           | 512.3                | 517.2     | 508.1                  | 19.5       | 18.8      | 19.4                   | 3.8                    | 3.6       | 3.8                    |
| Syracuse .....                            | 320.4                | 322.9     | 319.1                  | 14.1       | 12.4      | 13.2                   | 4.4                    | 3.8       | 4.1                    |
| Utica-Rome .....                          | 137.3                | 139.4     | 137.1                  | 6.8        | 5.9       | 6.2                    | 5.0                    | 4.3       | 4.5                    |
| <b>North Carolina<sup>1</sup></b> .....   | 3,405.4              | 3,446.2   | 3,425.1                | 124.0      | 105.6     | 97.0                   | 3.6                    | 3.1       | 2.8                    |
| Asheville .....                           | 90.2                 | 90.7      | 90.1                   | 2.8        | 2.3       | 2.1                    | 3.1                    | 2.5       | 2.4                    |
| Charlotte-Gastonia-Rock Hill .....        | 649.6                | 659.6     | 656.3                  | 21.8       | 19.4      | 17.1                   | 3.4                    | 2.9       | 2.6                    |
| Greensboro-Winston-Salem-High Point ..... | 536.3                | 527.9     | 526.2                  | 17.2       | 15.5      | 14.0                   | 3.2                    | 2.9       | 2.7                    |
| Raleigh-Durham .....                      | 412.0                | 418.6     | 415.3                  | 10.0       | 9.1       | 7.8                    | 2.4                    | 2.2       | 1.9                    |
| <b>North Dakota</b> .....                 | 324.1                | 329.0     | 324.6                  | 14.4       | 12.6      | 13.3                   | 4.4                    | 3.8       | 4.1                    |
| Bismarck .....                            | 44.4                 | 46.2      | 46.6                   | 2.0        | 1.8       | 2.0                    | 4.6                    | 3.9       | 4.2                    |
| Fargo-Moorhead .....                      | 85.6                 | 86.9      | 87.6                   | 1.9        | 1.9       | 2.0                    | 2.3                    | 2.2       | 2.3                    |
| Grand Forks .....                         | 35.4                 | 35.7      | 36.2                   | 1.2        | 1.3       | 1.3                    | 3.5                    | 3.6       | 3.5                    |
| <b>Ohio<sup>1</sup></b> .....             | 5,399.5              | 5,513.0   | 5,470.6                | 286.5      | 310.2     | 323.5                  | 5.3                    | 5.6       | 5.9                    |
| Akron .....                               | 329.3                | 338.9     | 337.1                  | 16.9       | 17.3      | 18.7                   | 5.1                    | 5.1       | 5.5                    |
| Canton .....                              | 191.4                | 197.6     | 196.2                  | 10.7       | 11.3      | 12.2                   | 5.6                    | 5.7       | 6.2                    |
| Cincinnati .....                          | 776.3                | 801.6     | 804.4                  | 35.5       | 36.0      | 37.5                   | 4.6                    | 4.5       | 4.7                    |
| Cleveland .....                           | 939.4                | 961.0     | 954.3                  | 45.6       | 48.2      | 50.5                   | 4.9                    | 5.0       | 5.3                    |
| Columbus .....                            | 725.5                | 746.2     | 743.3                  | 34.5       | 35.7      | 38.7                   | 4.8                    | 4.8       | 5.2                    |
| Dayton-Springfield .....                  | 475.8                | 495.2     | 488.4                  | 22.3       | 30.3      | 27.3                   | 4.7                    | 6.1       | 5.6                    |
| Toledo .....                              | 315.6                | 326.3     | 324.8                  | 17.0       | 20.2      | 21.3                   | 5.4                    | 6.2       | 6.6                    |
| Youngstown-Warren .....                   | 224.0                | 230.6     | 228.4                  | 14.2       | 15.1      | 16.0                   | 6.4                    | 6.6       | 7.0                    |
| <b>Oklahoma</b> .....                     | 1,527.4              | 1,520.5   | 1,524.4                | 84.3       | 74.0      | 69.7                   | 5.5                    | 4.9       | 4.6                    |
| Enid .....                                | 28.2                 | 27.7      | 27.8                   | 1.3        | 1.1       | 1.0                    | 4.5                    | 4.1       | 3.7                    |
| Lawton .....                              | 48.1                 | 49.4      | 49.2                   | 2.4        | 2.3       | 1.9                    | 5.0                    | 4.7       | 3.9                    |
| Oklahoma City .....                       | 492.5                | 491.1     | 493.6                  | 22.3       | 20.9      | 19.4                   | 4.5                    | 4.2       | 3.9                    |
| Tulsa .....                               | 338.8                | 345.6     | 346.8                  | 20.2       | 17.5      | 16.9                   | 6.0                    | 5.1       | 4.9                    |
| <b>Oregon</b> .....                       | 1,418.1              | 1,417.1   | 1,423.4                | 69.2       | 64.7      | 73.6                   | 4.9                    | 4.6       | 5.2                    |
| Eugene-Springfield .....                  | 143.9                | 143.3     | 145.2                  | 6.7        | 6.3       | 7.6                    | 4.6                    | 4.4       | 5.2                    |
| Portland .....                            | 647.2                | 646.7     | 650.6                  | 25.6       | 27.7      | 26.9                   | 4.0                    | 4.3       | 4.1                    |
| Salem .....                               | 133.1                | 133.7     | 134.0                  | 6.4        | 5.6       | 7.2                    | 4.8                    | 4.2       | 5.3                    |
| <b>Pennsylvania<sup>1</sup></b> .....     | 5,778.6              | 5,857.3   | 5,942.6                | 249.5      | 258.8     | 303.4                  | 4.3                    | 4.4       | 5.1                    |
| Allentown-Bethlehem .....                 | 325.0                | 332.2     | 337.5                  | 11.5       | 15.2      | 18.0                   | 3.5                    | 4.6       | 5.3                    |
| Altoona .....                             | 59.3                 | 60.4      | 62.0                   | 3.6        | 3.6       | 4.8                    | 6.1                    | 6.0       | 7.8                    |
| Beaver County .....                       | 59.3                 | 59.4      | 60.6                   | 4.5        | 3.7       | 4.5                    | 7.6                    | 6.2       | 7.4                    |
| Erie .....                                | 130.2                | 133.4     | 135.8                  | 6.5        | 6.6       | 8.2                    | 5.0                    | 4.9       | 6.0                    |
| Harrisburg-Lebanon-Carlisle .....         | 319.3                | 328.5     | 334.1                  | 11.8       | 12.8      | 16.4                   | 3.7                    | 3.9       | 4.9                    |
| Johnstown .....                           | 93.5                 | 96.0      | 97.6                   | 5.8        | 6.0       | 8.2                    | 6.2                    | 6.2       | 8.4                    |
| Lancaster .....                           | 218.7                | 225.8     | 228.8                  | 6.8        | 8.1       | 10.2                   | 3.1                    | 3.6       | 4.5                    |
| Philadelphia .....                        | 2,415.1              | 2,421.8   | 2,449.7                | 85.8       | 94.4      | 101.2                  | 3.6                    | 3.9       | 4.1                    |
| Pittsburgh .....                          | 956.8                | 977.0     | 993.3                  | 45.2       | 41.1      | 48.0                   | 4.7                    | 4.2       | 4.8                    |
| Reading .....                             | 176.3                | 181.3     | 182.3                  | 6.3        | 7.8       | 7.8                    | 3.5                    | 4.3       | 4.3                    |
| Scranton-Wilkes-Barre .....               | 359.2                | 362.6     | 368.5                  | 19.2       | 19.7      | 23.0                   | 5.3                    | 5.4       | 6.2                    |
| Williamsport .....                        | 59.5                 | 60.7      | 61.7                   | 2.8        | 3.3       | 4.1                    | 4.7                    | 5.5       | 6.6                    |
| York .....                                | 218.9                | 221.4     | 225.6                  | 8.2        | 8.6       | 10.2                   | 3.7                    | 3.9       | 4.5                    |
| <b>Rhode Island</b> .....                 | 536.8                | 527.6     | 532.6                  | 13.2       | 21.3      | 21.6                   | 2.5                    | 4.0       | 4.1                    |
| Pawtucket-Woonsocket-Attleboro .....      | 168.1                | 166.9     | 167.2                  | 5.8        | 8.6       | 8.5                    | 3.4                    | 5.1       | 5.1                    |
| Providence .....                          | 352.5                | 344.4     | 350.3                  | 8.1        | 13.2      | 13.8                   | 2.3                    | 3.8       | 3.9                    |
| <b>South Carolina</b> .....               | 1,718.6              | 1,742.3   | 1,732.0                | 66.6       | 87.3      | 78.4                   | 3.9                    | 5.0       | 4.5                    |
| Charleston .....                          | 235.5                | 239.2     | 238.9                  | 7.8        | 13.6      | 8.4                    | 3.3                    | 5.7       | 3.5                    |
| Columbia .....                            | 240.6                | 245.5     | 247.0                  | 6.6        | 7.8       | 7.8                    | 2.8                    | 3.2       | 3.1                    |
| Greenville-Spartanburg .....              | 349.1                | 356.4     | 354.0                  | 10.3       | 12.5      | 11.9                   | 2.9                    | 3.5       | 3.4                    |
| <b>South Dakota</b> .....                 | 355.1                | 368.3     | 361.8                  | 13.5       | 14.3      | 14.2                   | 3.8                    | 3.9       | 3.9                    |
| Rapid City .....                          | 38.5                 | 40.5      | 40.0                   | 1.6        | 1.6       | 1.4                    | 4.2                    | 4.1       | 3.5                    |
| Sioux Falls .....                         | 73.8                 | 74.3      | 75.4                   | 2.8        | 2.2       | 2.6                    | 3.8                    | 3.0       | 3.4                    |

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

| State and area                            | Civilian labor force |           |                        | Unemployed |           |                        |                        |           |                        |
|---|----------------------|-----------|------------------------|------------|-----------|------------------------|------------------------|-----------|------------------------|
|   |                      |           |                        | Number     |           |                        | Percent of labor force |           |                        |
|   | Nov. 1988            | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988  | Oct. 1989 | Nov. 1989 <sup>p</sup> | Nov. 1988              | Oct. 1989 | Nov. 1989 <sup>p</sup> |
| <b>Tennessee</b> .....                    | 2,347.9              | 2,386.0   | 2,390.1                | 121.3      | 97.3      | 107.0                  | 5.2                    | 4.1       | 4.5                    |
| Chattanooga .....                         | 213.9                | 217.4     | 217.5                  | 11.3       | 9.9       | 10.2                   | 5.3                    | 4.6       | 4.7                    |
| Johnson City-Kingsport-Bristol .....      | 215.4                | 220.5     | 221.5                  | 10.6       | 9.2       | 8.3                    | 4.9                    | 4.2       | 3.8                    |
| Knoxville .....                           | 285.0                | 284.2     | 284.5                  | 15.0       | 11.0      | 13.4                   | 5.2                    | 3.9       | 4.7                    |
| Memphis LMA .....                         | 445.7                | 455.7     | 454.9                  | 20.6       | 17.2      | 18.2                   | 4.6                    | 3.8       | 4.0                    |
| Nashville .....                           | 520.3                | 521.6     | 521.0                  | 19.5       | 17.2      | 18.1                   | 3.8                    | 3.3       | 3.5                    |
| <b>Texas<sup>1</sup></b> .....            | 8,365.7              | 8,292.7   | 8,327.1                | 548.5      | 500.1     | 575.3                  | 6.6                    | 6.0       | 6.9                    |
| Abilene .....                             | 54.6                 | 53.5      | 53.5                   | 3.0        | 3.1       | 3.3                    | 5.6                    | 5.8       | 6.2                    |
| Amarillo .....                            | 99.8                 | 97.3      | 97.6                   | 5.9        | 4.8       | 5.6                    | 5.9                    | 5.0       | 5.7                    |
| Austin .....                              | 429.7                | 422.6     | 423.4                  | 22.8       | 20.4      | 22.3                   | 5.3                    | 4.8       | 5.3                    |
| Beaumont-Port Arthur .....                | 164.0                | 161.8     | 162.9                  | 14.7       | 12.1      | 14.4                   | 9.0                    | 7.5       | 8.9                    |
| Brazoria .....                            | 83.5                 | 84.2      | 84.6                   | 5.9        | 5.1       | 6.2                    | 7.1                    | 6.1       | 7.3                    |
| Brownsville-Harlingen .....               | 98.3                 | 99.6      | 100.8                  | 10.9       | 11.0      | 12.4                   | 11.0                   | 11.0      | 12.3                   |
| Bryan-College Station .....               | 61.0                 | 61.3      | 61.4                   | 2.5        | 2.4       | 2.7                    | 4.1                    | 3.9       | 4.4                    |
| Corpus Christi .....                      | 157.9                | 156.2     | 157.3                  | 12.9       | 11.3      | 13.3                   | 8.1                    | 7.2       | 8.5                    |
| Dallas .....                              | 1,467.4              | 1,451.4   | 1,452.3                | 77.8       | 72.6      | 81.1                   | 5.3                    | 5.0       | 5.6                    |
| El Paso .....                             | 244.9                | 245.9     | 248.8                  | 24.8       | 23.8      | 28.0                   | 10.1                   | 9.7       | 11.3                   |
| Fort Worth-Arlington .....                | 690.2                | 688.9     | 691.6                  | 38.5       | 34.8      | 40.4                   | 5.6                    | 5.0       | 5.8                    |
| Galveston-Texas City .....                | 106.4                | 104.2     | 104.4                  | 7.9        | 7.4       | 8.6                    | 7.5                    | 7.2       | 8.2                    |
| Houston .....                             | 1,643.3              | 1,649.2   | 1,655.8                | 97.1       | 88.6      | 99.4                   | 5.9                    | 5.4       | 6.0                    |
| Killeen-Temple .....                      | 96.7                 | 96.0      | 96.3                   | 7.2        | 6.6       | 7.4                    | 7.5                    | 6.9       | 7.7                    |
| Laredo .....                              | 48.6                 | 49.9      | 51.7                   | 5.7        | 4.9       | 6.4                    | 11.6                   | 9.9       | 12.4                   |
| Longview-Marshall .....                   | 80.0                 | 79.0      | 79.4                   | 6.4        | 5.8       | 6.6                    | 8.0                    | 7.3       | 8.4                    |
| Lubbock .....                             | 115.3                | 115.1     | 116.0                  | 5.3        | 4.6       | 5.4                    | 4.6                    | 4.0       | 4.7                    |
| McAllen-Edinburg-Mission .....            | 160.6                | 154.1     | 160.4                  | 25.2       | 25.3      | 29.7                   | 15.7                   | 16.4      | 18.5                   |
| Midland .....                             | 49.9                 | 48.7      | 48.9                   | 2.7        | 2.7       | 3.0                    | 5.4                    | 5.5       | 6.2                    |
| Odessa .....                              | 53.3                 | 51.0      | 51.3                   | 3.9        | 3.6       | 3.9                    | 7.4                    | 7.1       | 7.7                    |
| San Angelo .....                          | 45.8                 | 44.2      | 44.6                   | 2.5        | 2.4       | 2.9                    | 5.5                    | 5.4       | 6.4                    |
| San Antonio .....                         | 612.3                | 603.5     | 605.9                  | 43.7       | 40.7      | 46.3                   | 7.1                    | 6.7       | 7.6                    |
| Sherman-Denison .....                     | 48.5                 | 47.0      | 47.2                   | 3.0        | 2.4       | 2.9                    | 6.2                    | 5.1       | 6.2                    |
| Texarkana .....                           | 57.9                 | 58.0      | 58.5                   | 4.2        | 3.4       | 3.9                    | 7.3                    | 5.9       | 6.6                    |
| Tyler .....                               | 75.3                 | 74.6      | 74.7                   | 5.2        | 4.7       | 5.1                    | 6.9                    | 6.3       | 6.8                    |
| Victoria .....                            | 36.2                 | 36.5      | 37.3                   | 2.1        | 1.9       | 2.2                    | 5.8                    | 5.2       | 6.0                    |
| Waco .....                                | 94.1                 | 92.5      | 92.8                   | 5.3        | 4.8       | 5.8                    | 5.7                    | 5.2       | 6.3                    |
| Wichita Falls .....                       | 57.9                 | 56.3      | 56.4                   | 3.2        | 2.9       | 3.6                    | 5.5                    | 5.2       | 6.3                    |
| <b>Utah</b> .....                         | 773.2                | 801.3     | 801.7                  | 28.9       | 27.9      | 28.2                   | 3.7                    | 3.5       | 3.5                    |
| Provo-Orem .....                          | 110.6                | 113.1     | 113.3                  | 3.3        | 3.6       | 3.6                    | 3.0                    | 3.2       | 3.2                    |
| Salt Lake City-Ogden .....                | 504.8                | 523.4     | 524.0                  | 18.4       | 17.7      | 17.3                   | 3.6                    | 3.4       | 3.3                    |
| <b>Vermont</b> .....                      | 300.8                | 304.7     | 299.6                  | 8.8        | 10.7      | 11.2                   | 2.9                    | 3.5       | 3.7                    |
| Burlington .....                          | 75.7                 | 76.3      | 75.0                   | 1.6        | 2.2       | 2.0                    | 2.1                    | 2.8       | 2.6                    |
| <b>Virginia</b> .....                     | 3,101.0              | 3,172.1   | 3,159.9                | 124.4      | 129.3     | 129.3                  | 4.0                    | 4.1       | 4.1                    |
| Charlottesville .....                     | 69.0                 | 66.9      | 67.0                   | 1.8        | 1.6       | 1.5                    | 2.6                    | 2.5       | 2.2                    |
| Danville .....                            | 52.9                 | 54.2      | 54.0                   | 3.5        | 3.2       | 3.5                    | 6.5                    | 6.0       | 6.5                    |
| Lynchburg .....                           | 70.5                 | 73.3      | 74.9                   | 3.2        | 4.3       | 5.8                    | 4.5                    | 5.8       | 7.7                    |
| Norfolk-Virginia Beach-Newport News ..... | 612.0                | 619.7     | 616.8                  | 29.6       | 30.5      | 30.2                   | 4.8                    | 4.9       | 4.9                    |
| Richmond-Petersburg .....                 | 447.9                | 464.5     | 459.5                  | 16.0       | 18.5      | 15.7                   | 3.6                    | 4.0       | 3.4                    |
| Roanoke .....                             | 122.6                | 122.5     | 121.6                  | 5.3        | 5.6       | 4.1                    | 4.3                    | 4.6       | 3.4                    |
| <b>Washington</b> .....                   | 2,311.5              | 2,416.0   | 2,400.0                | 127.4      | 126.0     | 132.6                  | 5.5                    | 5.2       | 5.5                    |
| Seattle .....                             | 1,044.8              | 1,092.3   | 1,099.0                | 44.6       | 45.0      | 42.6                   | 4.3                    | 4.1       | 3.9                    |
| <b>West Virginia</b> .....                | 747.1                | 775.3     | 769.3                  | 63.1       | 68.3      | 62.0                   | 8.4                    | 8.8       | 8.1                    |
| Charleston .....                          | 114.8                | 120.4     | 120.3                  | 8.4        | 8.0       | 7.0                    | 7.3                    | 6.6       | 5.8                    |
| Huntington-Ashland .....                  | 126.1                | 131.1     | 131.9                  | 8.3        | 7.7       | 7.3                    | 6.6                    | 5.9       | 5.5                    |
| Parkersburg-Marietta .....                | 71.8                 | 74.4      | 74.4                   | 4.3        | 4.8       | 4.4                    | 6.0                    | 6.4       | 5.9                    |
| Wheeling .....                            | 72.3                 | 73.0      | 73.3                   | 4.9        | 4.3       | 4.4                    | 6.8                    | 5.9       | 6.0                    |
| <b>Wisconsin</b> .....                    | 2,605.1              | 2,647.3   | 2,630.0                | 93.6       | 106.5     | 106.8                  | 3.6                    | 4.0       | 4.1                    |
| Appleton-Oshkosh-Neenah .....             | 174.3                | 176.6     | 175.4                  | 6.0        | 6.7       | 7.3                    | 3.5                    | 3.8       | 4.1                    |
| Eau Claire .....                          | 74.2                 | 75.8      | 76.2                   | 2.8        | 3.0       | 3.5                    | 3.8                    | 3.9       | 4.6                    |
| Green Bay .....                           | 107.8                | 112.7     | 112.8                  | 3.9        | 4.3       | 4.1                    | 3.6                    | 3.8       | 3.7                    |
| Janesville-Beloit .....                   | 75.5                 | 74.2      | 74.3                   | 3.2        | 3.8       | 3.4                    | 4.3                    | 5.1       | 4.6                    |
| Kenosha .....                             | 57.5                 | 54.6      | 53.7                   | 1.9        | 4.2       | 3.7                    | 3.3                    | 7.7       | 6.8                    |
| La Crosse .....                           | 59.7                 | 61.4      | 61.1                   | 1.8        | 2.0       | 2.1                    | 3.0                    | 3.3       | 3.4                    |
| Madison .....                             | 226.7                | 228.7     | 230.1                  | 5.6        | 5.9       | 6.8                    | 2.5                    | 2.6       | 2.9                    |
| Milwaukee .....                           | 770.6                | 782.4     | 783.2                  | 23.0       | 30.4      | 26.7                   | 3.0                    | 3.9       | 3.4                    |
| Racine .....                              | 90.9                 | 93.4      | 93.1                   | 3.6        | 4.5       | 4.2                    | 4.0                    | 4.8       | 4.6                    |
| Wausau .....                              | 62.7                 | 64.5      | 63.9                   | 2.4        | 2.4       | 2.5                    | 3.9                    | 3.8       | 3.9                    |
| <b>Wyoming</b> .....                      | 231.3                | 223.0     | 223.8                  | 14.6       | 11.5      | 13.0                   | 6.3                    | 5.2       | 5.8                    |

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Data refer to place of residence. Estimates for 1988 have been

benchmarked to 1988 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1989 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

# Annual Averages

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**1. Employment status of the civilian noninstitutional population, 1929 to date**

(Numbers in thousands)

| Year                             | Civilian noninstitutional population | Civilian labor force |                       |          |             |                            |            |                        | Not in labor force |
|----------------------------------|--------------------------------------|----------------------|-----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|
|                                  |                                      | Total                | Percent of population | Employed |             |                            | Unemployed |                        |                    |
|                                  |                                      |                      |                       | Total    | Agriculture | Nonagricultural industries | Number     | Percent of labor force |                    |
| Persons 14 years of age and over |                                      |                      |                       |          |             |                            |            |                        |                    |
| 1929                             | ( <sup>1</sup> )                     | 49,180               | ( <sup>1</sup> )      | 47,630   | 10,450      | 37,180                     | 1,550      | 3.2                    | ( <sup>1</sup> )   |
| 1930                             | ( <sup>1</sup> )                     | 49,820               | ( <sup>1</sup> )      | 45,480   | 10,340      | 35,140                     | 4,340      | 8.7                    | ( <sup>1</sup> )   |
| 1931                             | ( <sup>1</sup> )                     | 50,420               | ( <sup>1</sup> )      | 42,400   | 10,290      | 32,110                     | 8,020      | 15.9                   | ( <sup>1</sup> )   |
| 1932                             | ( <sup>1</sup> )                     | 51,000               | ( <sup>1</sup> )      | 38,940   | 10,170      | 28,770                     | 12,060     | 23.6                   | ( <sup>1</sup> )   |
| 1933                             | ( <sup>1</sup> )                     | 51,590               | ( <sup>1</sup> )      | 38,760   | 10,090      | 28,670                     | 12,830     | 24.9                   | ( <sup>1</sup> )   |
| 1934                             | ( <sup>1</sup> )                     | 52,230               | ( <sup>1</sup> )      | 40,890   | 9,900       | 30,990                     | 11,340     | 21.7                   | ( <sup>1</sup> )   |
| 1935                             | ( <sup>1</sup> )                     | 52,870               | ( <sup>1</sup> )      | 42,260   | 10,110      | 32,150                     | 10,610     | 20.1                   | ( <sup>1</sup> )   |
| 1936                             | ( <sup>1</sup> )                     | 53,440               | ( <sup>1</sup> )      | 44,410   | 10,000      | 34,410                     | 9,030      | 16.9                   | ( <sup>1</sup> )   |
| 1937                             | ( <sup>1</sup> )                     | 54,000               | ( <sup>1</sup> )      | 46,300   | 9,820       | 36,480                     | 7,700      | 14.3                   | ( <sup>1</sup> )   |
| 1938                             | ( <sup>1</sup> )                     | 54,610               | ( <sup>1</sup> )      | 44,220   | 9,690       | 34,530                     | 10,390     | 19.0                   | ( <sup>1</sup> )   |
| 1939                             | ( <sup>1</sup> )                     | 55,230               | ( <sup>1</sup> )      | 45,750   | 9,610       | 36,140                     | 9,480      | 17.2                   | ( <sup>1</sup> )   |
| 1940                             | 99,840                               | 55,640               | 55.7                  | 47,520   | 9,540       | 37,980                     | 8,120      | 14.6                   | 44,200             |
| 1941                             | 99,900                               | 55,910               | 56.0                  | 50,350   | 9,100       | 41,250                     | 5,560      | 9.9                    | 43,990             |
| 1942                             | 98,640                               | 56,410               | 57.2                  | 53,750   | 9,250       | 44,500                     | 2,660      | 4.7                    | 42,230             |
| 1943                             | 94,640                               | 55,540               | 58.7                  | 54,470   | 9,080       | 45,390                     | 1,070      | 1.9                    | 39,100             |
| 1944                             | 93,220                               | 54,630               | 58.6                  | 53,960   | 8,950       | 45,010                     | 670        | 1.2                    | 38,590             |
| 1945                             | 94,090                               | 53,860               | 57.2                  | 52,820   | 8,580       | 44,240                     | 1,040      | 1.9                    | 40,230             |
| 1946                             | 103,070                              | 57,520               | 55.8                  | 55,250   | 8,320       | 46,930                     | 2,270      | 3.9                    | 45,550             |
| 1947                             | 106,018                              | 60,168               | 56.8                  | 57,812   | 8,256       | 49,557                     | 2,356      | 3.9                    | 45,850             |
| Persons 16 years of age and over |                                      |                      |                       |          |             |                            |            |                        |                    |
| 1947                             | 101,827                              | 59,350               | 58.3                  | 57,038   | 7,890       | 49,148                     | 2,311      | 3.9                    | 42,477             |
| 1948                             | 103,068                              | 60,621               | 58.8                  | 58,343   | 7,629       | 50,714                     | 2,276      | 3.8                    | 42,447             |
| 1949                             | 103,994                              | 61,286               | 58.9                  | 57,651   | 7,658       | 49,993                     | 3,637      | 5.9                    | 42,708             |
| 1950                             | 104,995                              | 62,208               | 59.2                  | 58,918   | 7,160       | 51,758                     | 3,288      | 5.3                    | 42,787             |
| 1951                             | 104,621                              | 62,017               | 59.2                  | 59,961   | 6,726       | 53,235                     | 2,055      | 3.3                    | 42,604             |
| 1952                             | 105,231                              | 62,138               | 59.0                  | 60,250   | 6,500       | 53,749                     | 1,883      | 3.0                    | 43,093             |
| 1953 <sup>2</sup>                | 107,056                              | 63,015               | 58.9                  | 61,179   | 6,260       | 54,919                     | 1,834      | 2.9                    | 44,041             |
| 1954                             | 108,321                              | 63,643               | 58.8                  | 60,109   | 6,205       | 53,904                     | 3,532      | 5.5                    | 44,678             |
| 1955                             | 109,683                              | 65,023               | 59.3                  | 62,170   | 6,450       | 55,722                     | 2,852      | 4.4                    | 44,660             |
| 1956                             | 110,954                              | 66,552               | 60.0                  | 63,799   | 6,283       | 57,514                     | 2,750      | 4.1                    | 44,402             |
| 1957                             | 112,265                              | 66,929               | 59.6                  | 64,071   | 5,947       | 58,123                     | 2,859      | 4.3                    | 45,336             |
| 1958                             | 113,727                              | 67,839               | 59.5                  | 63,036   | 5,586       | 57,450                     | 4,602      | 6.8                    | 46,088             |
| 1959                             | 115,329                              | 68,369               | 59.3                  | 64,630   | 5,565       | 59,065                     | 3,740      | 5.5                    | 46,960             |
| 1960 <sup>2</sup>                | 117,245                              | 69,628               | 59.4                  | 65,778   | 5,458       | 60,318                     | 3,852      | 5.5                    | 47,617             |
| 1961                             | 118,771                              | 70,459               | 59.3                  | 65,746   | 5,200       | 60,546                     | 4,714      | 6.7                    | 48,312             |
| 1962 <sup>2</sup>                | 120,153                              | 70,614               | 58.8                  | 66,702   | 4,944       | 61,759                     | 3,911      | 5.5                    | 49,539             |
| 1963                             | 122,416                              | 71,833               | 58.7                  | 67,762   | 4,687       | 63,076                     | 4,070      | 5.7                    | 50,583             |
| 1964                             | 124,485                              | 73,091               | 58.7                  | 69,305   | 4,523       | 64,782                     | 3,786      | 5.2                    | 51,394             |
| 1965                             | 126,513                              | 74,455               | 58.9                  | 71,088   | 4,361       | 66,726                     | 3,366      | 4.5                    | 52,058             |
| 1966                             | 128,058                              | 75,770               | 59.2                  | 72,895   | 3,979       | 68,915                     | 2,875      | 3.8                    | 52,288             |
| 1967                             | 129,874                              | 77,347               | 59.6                  | 74,372   | 3,844       | 70,527                     | 2,975      | 3.8                    | 52,527             |
| 1968                             | 132,028                              | 78,737               | 59.6                  | 75,920   | 3,817       | 72,103                     | 2,817      | 3.6                    | 53,291             |
| 1969                             | 134,335                              | 80,734               | 60.1                  | 77,902   | 3,606       | 74,296                     | 2,832      | 3.5                    | 53,602             |
| 1970                             | 137,085                              | 82,771               | 60.4                  | 78,678   | 3,463       | 75,215                     | 4,093      | 4.9                    | 54,315             |
| 1971                             | 140,216                              | 84,382               | 60.2                  | 79,367   | 3,394       | 75,972                     | 5,016      | 5.9                    | 55,834             |
| 1972 <sup>2</sup>                | 144,126                              | 87,034               | 60.4                  | 82,153   | 3,484       | 78,669                     | 4,882      | 5.6                    | 57,091             |
| 1973 <sup>2</sup>                | 147,096                              | 89,429               | 60.8                  | 85,064   | 3,470       | 81,594                     | 4,365      | 4.9                    | 57,667             |
| 1974                             | 150,120                              | 91,949               | 61.3                  | 86,794   | 3,515       | 83,279                     | 5,156      | 5.6                    | 58,171             |
| 1975                             | 153,153                              | 93,775               | 61.2                  | 85,846   | 3,408       | 82,438                     | 7,929      | 8.5                    | 59,377             |
| 1976                             | 156,150                              | 96,158               | 61.6                  | 88,752   | 3,331       | 85,421                     | 7,406      | 7.7                    | 59,991             |
| 1977                             | 159,033                              | 99,009               | 62.3                  | 92,017   | 3,283       | 88,734                     | 6,991      | 7.1                    | 60,025             |
| 1978 <sup>2</sup>                | 161,910                              | 102,251              | 63.2                  | 96,048   | 3,387       | 92,661                     | 6,202      | 6.1                    | 59,659             |
| 1979                             | 164,863                              | 104,962              | 63.7                  | 98,824   | 3,347       | 95,477                     | 6,137      | 5.8                    | 59,900             |
| 1980                             | 167,745                              | 106,940              | 63.8                  | 99,303   | 3,364       | 95,938                     | 7,637      | 7.1                    | 60,806             |
| 1981                             | 170,130                              | 108,670              | 63.9                  | 100,397  | 3,368       | 97,030                     | 8,273      | 7.6                    | 61,460             |
| 1982                             | 172,271                              | 110,204              | 64.0                  | 99,526   | 3,401       | 96,125                     | 10,678     | 9.7                    | 62,067             |
| 1983                             | 174,215                              | 111,550              | 64.0                  | 100,834  | 3,383       | 97,450                     | 10,717     | 9.6                    | 62,665             |
| 1984                             | 176,383                              | 113,544              | 64.4                  | 105,005  | 3,321       | 101,685                    | 8,539      | 7.5                    | 62,839             |
| 1985                             | 178,206                              | 115,461              | 64.8                  | 107,150  | 3,179       | 103,971                    | 8,312      | 7.2                    | 62,744             |
| 1986 <sup>2</sup>                | 180,587                              | 117,834              | 65.3                  | 109,597  | 3,163       | 106,434                    | 8,237      | 7.0                    | 62,752             |
| 1987                             | 182,753                              | 119,865              | 65.6                  | 112,440  | 3,208       | 109,232                    | 7,425      | 6.2                    | 62,888             |
| 1988                             | 184,613                              | 121,669              | 65.9                  | 114,968  | 3,169       | 111,800                    | 6,701      | 5.5                    | 62,944             |
| 1989                             | 186,393                              | 123,869              | 66.5                  | 117,342  | 3,199       | 114,142                    | 6,528      | 5.3                    | 62,523             |

<sup>1</sup> Not available.

<sup>2</sup> Not strictly comparable with data for prior years. For an explanation, see

"Historical Comparability" under the Household Data section of the Explanatory Notes.



2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1956 to date

(Numbers in thousands)

| Year              | Civilian noninstitutional population | Civilian labor force |                       |          |             |                            |            |                        | Not in labor force |
|-------------------|--------------------------------------|----------------------|-----------------------|----------|-------------|----------------------------|------------|------------------------|--------------------|
|                   |                                      | Total                | Percent of population | Employed |             |                            | Unemployed |                        |                    |
|                   |                                      |                      |                       | Total    | Agriculture | Nonagricultural industries | Number     | Percent of labor force |                    |
| Men               |                                      |                      |                       |          |             |                            |            |                        |                    |
| 1956              | 52,723                               | 45,091               | 85.5                  | 43,379   | 5,040       | 38,339                     | 1,711      | 3.8                    | 7,633              |
| 1957              | 53,315                               | 45,197               | 84.8                  | 43,357   | 4,824       | 38,532                     | 1,841      | 4.1                    | 8,118              |
| 1958              | 54,033                               | 45,521               | 84.2                  | 42,423   | 4,596       | 37,827                     | 3,098      | 6.8                    | 8,514              |
| 1959              | 54,793                               | 45,886               | 83.7                  | 43,466   | 4,532       | 38,934                     | 2,420      | 5.2                    | 8,907              |
| 1960 <sup>1</sup> | 55,662                               | 46,388               | 83.3                  | 43,904   | 4,472       | 39,431                     | 2,486      | 5.4                    | 9,274              |
| 1961              | 56,286                               | 46,653               | 82.9                  | 43,656   | 4,298       | 39,359                     | 2,997      | 6.4                    | 9,633              |
| 1962 <sup>1</sup> | 56,831                               | 46,600               | 82.0                  | 44,177   | 4,069       | 40,108                     | 2,423      | 5.2                    | 10,231             |
| 1963              | 57,921                               | 47,129               | 81.4                  | 44,657   | 3,809       | 40,849                     | 2,472      | 5.2                    | 10,792             |
| 1964              | 58,847                               | 47,679               | 81.0                  | 45,474   | 3,691       | 41,782                     | 2,205      | 4.6                    | 11,169             |
| 1965              | 59,782                               | 48,255               | 80.7                  | 46,340   | 3,547       | 42,792                     | 1,914      | 4.0                    | 11,527             |
| 1966              | 60,262                               | 48,471               | 80.4                  | 46,919   | 3,243       | 43,675                     | 1,551      | 3.2                    | 11,792             |
| 1967              | 60,905                               | 48,987               | 80.4                  | 47,479   | 3,164       | 44,315                     | 1,508      | 3.1                    | 11,919             |
| 1968              | 61,847                               | 49,533               | 80.1                  | 48,114   | 3,157       | 44,957                     | 1,419      | 2.9                    | 12,315             |
| 1969              | 62,898                               | 50,221               | 79.8                  | 48,818   | 2,963       | 45,855                     | 1,403      | 2.8                    | 12,677             |
| 1970              | 64,304                               | 51,228               | 79.7                  | 48,990   | 2,862       | 46,128                     | 2,238      | 4.4                    | 13,076             |
| 1971              | 65,942                               | 52,180               | 79.1                  | 49,390   | 2,795       | 46,595                     | 2,789      | 5.3                    | 13,762             |
| 1972 <sup>1</sup> | 67,835                               | 53,555               | 78.9                  | 50,896   | 2,849       | 48,047                     | 2,659      | 5.0                    | 14,280             |
| 1973 <sup>1</sup> | 69,292                               | 54,624               | 78.8                  | 52,349   | 2,847       | 49,502                     | 2,275      | 4.2                    | 14,667             |
| 1974              | 70,808                               | 55,739               | 78.7                  | 53,024   | 2,919       | 50,105                     | 2,714      | 4.9                    | 15,069             |
| 1975              | 72,291                               | 56,299               | 77.9                  | 51,857   | 2,824       | 49,032                     | 4,442      | 7.9                    | 15,993             |
| 1976              | 73,759                               | 57,174               | 77.5                  | 53,138   | 2,744       | 50,394                     | 4,036      | 7.1                    | 16,585             |
| 1977              | 75,193                               | 58,396               | 77.7                  | 54,728   | 2,671       | 52,057                     | 3,667      | 6.3                    | 16,797             |
| 1978 <sup>1</sup> | 76,576                               | 59,620               | 77.9                  | 56,479   | 2,718       | 53,761                     | 3,142      | 5.3                    | 16,956             |
| 1979              | 78,020                               | 60,726               | 77.8                  | 57,607   | 2,686       | 54,921                     | 3,120      | 5.1                    | 17,293             |
| 1980              | 79,398                               | 61,453               | 77.4                  | 57,186   | 2,709       | 54,477                     | 4,267      | 6.9                    | 17,945             |
| 1981              | 80,511                               | 61,974               | 77.0                  | 57,397   | 2,700       | 54,697                     | 4,577      | 7.4                    | 18,537             |
| 1982              | 81,523                               | 62,450               | 76.6                  | 56,271   | 2,736       | 53,534                     | 6,179      | 9.9                    | 19,073             |
| 1983              | 82,531                               | 63,047               | 76.4                  | 56,787   | 2,704       | 54,083                     | 6,260      | 9.9                    | 19,484             |
| 1984              | 83,605                               | 63,835               | 76.4                  | 59,091   | 2,668       | 56,423                     | 4,744      | 7.4                    | 19,771             |
| 1985              | 84,469                               | 64,411               | 76.3                  | 59,891   | 2,535       | 57,356                     | 4,521      | 7.0                    | 20,058             |
| 1986 <sup>1</sup> | 85,798                               | 65,422               | 76.3                  | 60,892   | 2,511       | 58,381                     | 4,530      | 6.9                    | 20,376             |
| 1987              | 86,899                               | 66,207               | 76.2                  | 62,107   | 2,543       | 59,564                     | 4,101      | 6.2                    | 20,692             |
| 1988              | 87,857                               | 66,927               | 76.2                  | 63,273   | 2,493       | 60,780                     | 3,655      | 5.5                    | 20,930             |
| 1989              | 88,762                               | 67,840               | 76.4                  | 64,315   | 2,513       | 61,802                     | 3,525      | 5.2                    | 20,923             |
| Women             |                                      |                      |                       |          |             |                            |            |                        |                    |
| 1956              | 58,228                               | 21,461               | 36.9                  | 20,419   | 1,244       | 19,175                     | 1,039      | 4.8                    | 36,769             |
| 1957              | 58,951                               | 21,732               | 36.9                  | 20,714   | 1,123       | 19,591                     | 1,018      | 4.7                    | 37,218             |
| 1958              | 59,690                               | 22,118               | 37.1                  | 20,613   | 990         | 19,623                     | 1,504      | 6.8                    | 37,574             |
| 1959              | 60,534                               | 22,483               | 37.1                  | 21,164   | 1,033       | 20,131                     | 1,320      | 5.9                    | 38,053             |
| 1960 <sup>1</sup> | 61,582                               | 23,240               | 37.7                  | 21,874   | 986         | 20,887                     | 1,366      | 5.9                    | 38,343             |
| 1961              | 62,484                               | 23,806               | 38.1                  | 22,090   | 902         | 21,187                     | 1,717      | 7.2                    | 38,679             |
| 1962 <sup>1</sup> | 63,321                               | 24,014               | 37.9                  | 22,525   | 875         | 21,651                     | 1,488      | 6.2                    | 39,308             |
| 1963              | 64,494                               | 24,704               | 38.3                  | 23,105   | 878         | 22,227                     | 1,598      | 6.5                    | 39,791             |
| 1964              | 65,637                               | 25,412               | 38.7                  | 23,831   | 832         | 23,000                     | 1,581      | 6.2                    | 40,225             |
| 1965              | 66,731                               | 26,200               | 39.3                  | 24,748   | 814         | 23,934                     | 1,452      | 5.5                    | 40,531             |
| 1966              | 67,795                               | 27,299               | 40.3                  | 25,976   | 736         | 25,240                     | 1,324      | 4.8                    | 40,496             |
| 1967              | 68,968                               | 28,360               | 41.1                  | 26,893   | 680         | 26,212                     | 1,468      | 5.2                    | 40,608             |
| 1968              | 70,179                               | 29,204               | 41.6                  | 27,807   | 660         | 27,147                     | 1,397      | 4.8                    | 40,976             |
| 1969              | 71,436                               | 30,513               | 42.7                  | 29,084   | 643         | 28,441                     | 1,429      | 4.7                    | 40,924             |
| 1970              | 72,782                               | 31,543               | 43.3                  | 29,688   | 601         | 29,087                     | 1,855      | 5.9                    | 41,239             |
| 1971              | 74,274                               | 32,202               | 43.4                  | 29,976   | 599         | 29,377                     | 2,227      | 6.9                    | 42,072             |
| 1972 <sup>1</sup> | 76,290                               | 33,479               | 43.9                  | 31,257   | 635         | 30,622                     | 2,222      | 6.6                    | 42,811             |
| 1973 <sup>1</sup> | 77,804                               | 34,804               | 44.7                  | 32,715   | 622         | 32,093                     | 2,089      | 6.0                    | 43,000             |
| 1974              | 79,312                               | 36,211               | 45.7                  | 33,769   | 596         | 33,173                     | 2,441      | 6.7                    | 43,101             |
| 1975              | 80,860                               | 37,475               | 46.3                  | 33,989   | 584         | 33,404                     | 3,486      | 9.3                    | 43,386             |
| 1976              | 82,390                               | 38,983               | 47.3                  | 35,615   | 588         | 35,027                     | 3,369      | 8.6                    | 43,406             |
| 1977              | 83,840                               | 40,613               | 48.4                  | 37,289   | 612         | 36,677                     | 3,324      | 8.2                    | 43,227             |
| 1978 <sup>1</sup> | 85,334                               | 42,631               | 50.0                  | 39,569   | 669         | 38,900                     | 3,061      | 7.2                    | 42,703             |
| 1979              | 86,843                               | 44,235               | 50.9                  | 41,217   | 661         | 40,556                     | 3,018      | 6.8                    | 42,608             |
| 1980              | 88,348                               | 45,487               | 51.5                  | 42,117   | 656         | 41,461                     | 3,370      | 7.4                    | 42,861             |
| 1981              | 89,618                               | 46,696               | 52.1                  | 43,000   | 667         | 42,333                     | 3,696      | 7.9                    | 42,922             |
| 1982              | 90,748                               | 47,755               | 52.6                  | 43,256   | 665         | 42,591                     | 4,499      | 9.4                    | 42,993             |
| 1983              | 91,684                               | 48,503               | 52.9                  | 44,047   | 680         | 43,367                     | 4,457      | 9.2                    | 43,181             |
| 1984              | 92,778                               | 49,709               | 53.6                  | 45,915   | 653         | 45,262                     | 3,794      | 7.6                    | 43,068             |
| 1985              | 93,736                               | 51,050               | 54.5                  | 47,259   | 644         | 46,615                     | 3,791      | 7.4                    | 42,686             |
| 1986 <sup>1</sup> | 94,789                               | 52,413               | 55.3                  | 48,706   | 652         | 48,054                     | 3,707      | 7.1                    | 42,376             |
| 1987              | 95,853                               | 53,658               | 56.0                  | 50,334   | 666         | 49,668                     | 3,324      | 6.2                    | 42,195             |
| 1988              | 96,756                               | 54,742               | 56.6                  | 51,696   | 676         | 51,020                     | 3,046      | 5.6                    | 42,014             |
| 1989              | 97,630                               | 56,030               | 57.4                  | 53,027   | 687         | 52,341                     | 3,003      | 5.4                    | 41,601             |

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

Notes.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

| Age, sex, and race      | 1989                                 |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>TOTAL</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 186,393                              | 123,869              | 66.5                  | 117,342  | 6,528      | 5.3                    | 62,523             | 26,978        | 7,379           | 3,452          | 24,715        |
| 16 to 19 years .....    | 14,223                               | 7,954                | 55.9                  | 6,759    | 1,194      | 15.0                   | 6,270              | 468           | 4,722           | 29             | 1,051         |
| 16 to 17 years .....    | 6,886                                | 3,125                | 45.4                  | 2,588    | 537        | 17.2                   | 3,760              | 132           | 2,997           | 8              | 623           |
| 18 to 19 years .....    | 7,338                                | 4,828                | 65.8                  | 4,172    | 657        | 13.6                   | 2,509              | 335           | 1,725           | 21             | 428           |
| 20 to 24 years .....    | 18,025                               | 14,180               | 78.7                  | 12,962   | 1,218      | 8.6                    | 3,845              | 1,473         | 1,607           | 78             | 688           |
| 25 to 54 years .....    | 103,566                              | 86,413               | 83.4                  | 82,767   | 3,646      | 4.2                    | 17,153             | 11,656        | 1,011           | 1,358          | 3,128         |
| 25 to 34 years .....    | 42,845                               | 35,896               | 83.8                  | 34,045   | 1,851      | 5.2                    | 6,949              | 4,856         | 676             | 322            | 1,096         |
| 25 to 29 years .....    | 21,146                               | 17,684               | 83.6                  | 16,680   | 1,003      | 5.7                    | 3,462              | 2,319         | 449             | 142            | 553           |
| 30 to 34 years .....    | 21,698                               | 18,212               | 83.9                  | 17,364   | 847        | 4.7                    | 3,487              | 2,537         | 226             | 180            | 543           |
| 35 to 44 years .....    | 35,977                               | 30,601               | 85.1                  | 29,443   | 1,159      | 3.8                    | 5,375              | 3,689         | 257             | 479            | 949           |
| 35 to 39 years .....    | 19,323                               | 16,362               | 84.7                  | 15,697   | 665        | 4.1                    | 2,961              | 2,072         | 161             | 220            | 507           |
| 40 to 44 years .....    | 16,654                               | 14,240               | 85.5                  | 13,746   | 494        | 3.5                    | 2,414              | 1,617         | 96              | 259            | 442           |
| 45 to 54 years .....    | 24,744                               | 19,916               | 80.5                  | 19,279   | 637        | 3.2                    | 4,829              | 3,111         | 78              | 557            | 1,083         |
| 45 to 49 years .....    | 13,439                               | 11,187               | 83.2                  | 10,823   | 364        | 3.3                    | 2,252              | 1,472         | 53              | 259            | 468           |
| 50 to 54 years .....    | 11,306                               | 8,729                | 77.2                  | 8,457    | 272        | 3.1                    | 2,577              | 1,638         | 26              | 298            | 615           |
| 55 to 64 years .....    | 21,406                               | 11,877               | 55.5                  | 11,499   | 379        | 3.2                    | 9,529              | 4,465         | 22              | 784            | 4,257         |
| 55 to 59 years .....    | 10,651                               | 7,088                | 66.6                  | 6,854    | 234        | 3.3                    | 3,563              | 1,940         | 11              | 387            | 1,224         |
| 60 to 64 years .....    | 10,755                               | 4,789                | 44.5                  | 4,644    | 145        | 3.0                    | 5,966              | 2,525         | 11              | 396            | 3,034         |
| 65 years and over ..... | 29,173                               | 3,446                | 11.8                  | 3,355    | 91         | 2.6                    | 25,727             | 8,916         | 16              | 1,204          | 15,590        |
| 65 to 69 years .....    | 10,034                               | 2,087                | 20.8                  | 2,024    | 62         | 3.0                    | 7,947              | 2,841         | 5               | 296            | 4,805         |
| 70 years and over ..... | 19,139                               | 1,359                | 7.1                   | 1,331    | 28         | 2.1                    | 17,780             | 6,076         | 11              | 908            | 10,785        |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 88,762                               | 67,840               | 76.4                  | 64,315   | 3,525      | 5.2                    | 20,923             | 530           | 3,678           | 1,920          | 14,794        |
| 16 to 19 years .....    | 7,143                                | 4,136                | 57.9                  | 3,477    | 658        | 15.9                   | 3,007              | 24            | 2,422           | 17             | 545           |
| 16 to 17 years .....    | 3,524                                | 1,630                | 46.3                  | 1,327    | 303        | 18.6                   | 1,894              | 12            | 1,556           | 5              | 321           |
| 18 to 19 years .....    | 3,619                                | 2,505                | 69.2                  | 2,150    | 355        | 14.2                   | 1,114              | 12            | 866             | 12             | 224           |
| 20 to 24 years .....    | 8,743                                | 7,458                | 85.3                  | 6,799    | 660        | 8.8                    | 1,284              | 30            | 825             | 57             | 373           |
| 25 to 54 years .....    | 50,651                               | 47,446               | 93.7                  | 45,523   | 1,924      | 4.1                    | 3,205              | 192           | 421             | 888            | 1,703         |
| 25 to 34 years .....    | 21,080                               | 19,905               | 94.4                  | 18,952   | 953        | 4.8                    | 1,174              | 69            | 312             | 225            | 568           |
| 25 to 29 years .....    | 10,382                               | 9,731                | 93.7                  | 9,204    | 527        | 5.4                    | 651                | 35            | 228             | 100            | 288           |
| 30 to 34 years .....    | 10,698                               | 10,174               | 95.1                  | 9,747    | 427        | 4.2                    | 524                | 34            | 85              | 125            | 280           |
| 35 to 44 years .....    | 17,590                               | 16,622               | 94.5                  | 16,002   | 619        | 3.7                    | 968                | 67            | 81              | 316            | 505           |
| 35 to 39 years .....    | 9,482                                | 8,977                | 94.7                  | 8,617    | 359        | 4.0                    | 506                | 42            | 52              | 147            | 264           |
| 40 to 44 years .....    | 8,107                                | 7,645                | 94.3                  | 7,385    | 260        | 3.4                    | 462                | 24            | 29              | 169            | 240           |
| 45 to 54 years .....    | 11,981                               | 10,919               | 91.1                  | 10,569   | 351        | 3.2                    | 1,062              | 56            | 28              | 347            | 631           |
| 45 to 49 years .....    | 6,524                                | 6,047                | 92.7                  | 5,850    | 197        | 3.3                    | 477                | 26            | 18              | 167            | 266           |
| 50 to 54 years .....    | 5,457                                | 4,872                | 89.3                  | 4,718    | 154        | 3.2                    | 585                | 30            | 9               | 180            | 365           |
| 55 to 64 years .....    | 10,092                               | 6,783                | 67.2                  | 6,548    | 234        | 3.5                    | 3,310              | 79            | 8               | 471            | 2,751         |
| 55 to 59 years .....    | 5,074                                | 4,033                | 79.5                  | 3,890    | 143        | 3.5                    | 1,041              | 31            | 3               | 234            | 773           |
| 60 to 64 years .....    | 5,018                                | 2,750                | 54.8                  | 2,658    | 92         | 3.3                    | 2,268              | 49            | 4               | 237            | 1,978         |
| 65 years and over ..... | 12,134                               | 2,017                | 16.6                  | 1,968    | 49         | 2.4                    | 10,117             | 205           | 3               | 487            | 9,422         |
| 65 to 69 years .....    | 4,548                                | 1,189                | 26.1                  | 1,155    | 34         | 2.8                    | 3,359              | 56            | 1               | 165            | 3,136         |
| 70 years and over ..... | 7,586                                | 828                  | 10.9                  | 812      | 16         | 1.9                    | 6,758              | 148           | 2               | 321            | 6,286         |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 97,630                               | 56,030               | 57.4                  | 53,027   | 3,003      | 5.4                    | 41,601             | 26,448        | 3,700           | 1,531          | 9,921         |
| 16 to 19 years .....    | 7,080                                | 3,818                | 53.9                  | 3,282    | 536        | 14.0                   | 3,262              | 443           | 2,301           | 12             | 506           |
| 16 to 17 years .....    | 3,361                                | 1,495                | 44.5                  | 1,261    | 234        | 15.7                   | 1,867              | 120           | 1,441           | 3              | 302           |
| 18 to 19 years .....    | 3,719                                | 2,323                | 62.5                  | 2,021    | 302        | 13.0                   | 1,395              | 323           | 859             | 9              | 204           |
| 20 to 24 years .....    | 9,282                                | 6,721                | 72.4                  | 6,163    | 558        | 8.3                    | 2,561              | 1,443         | 782             | 20             | 315           |
| 25 to 54 years .....    | 52,915                               | 38,967               | 73.6                  | 37,244   | 1,723      | 4.4                    | 13,948             | 11,464        | 590             | 469            | 1,425         |
| 25 to 34 years .....    | 21,765                               | 15,990               | 73.5                  | 15,093   | 897        | 5.6                    | 5,775              | 4,786         | 363             | 97             | 528           |
| 25 to 29 years .....    | 10,764                               | 7,953                | 73.9                  | 7,476    | 477        | 6.0                    | 2,811              | 2,283         | 221             | 41             | 265           |
| 30 to 34 years .....    | 11,001                               | 8,038                | 73.1                  | 7,617    | 421        | 5.2                    | 2,963              | 2,503         | 142             | 55             | 263           |
| 35 to 44 years .....    | 18,387                               | 13,980               | 76.0                  | 13,440   | 540        | 3.9                    | 4,407              | 3,623         | 176             | 163            | 445           |
| 35 to 39 years .....    | 9,841                                | 7,385                | 75.0                  | 7,080    | 306        | 4.1                    | 2,455              | 2,030         | 109             | 74             | 243           |
| 40 to 44 years .....    | 8,546                                | 6,595                | 77.2                  | 6,361    | 234        | 3.5                    | 1,952              | 1,592         | 67              | 90             | 202           |
| 45 to 54 years .....    | 12,763                               | 8,997                | 70.5                  | 8,711    | 286        | 3.2                    | 3,766              | 3,055         | 51              | 209            | 451           |
| 45 to 49 years .....    | 6,914                                | 5,140                | 74.3                  | 4,972    | 168        | 3.3                    | 1,774              | 1,446         | 34              | 92             | 202           |
| 50 to 54 years .....    | 5,849                                | 3,857                | 65.9                  | 3,738    | 118        | 3.1                    | 1,992              | 1,609         | 17              | 118            | 249           |
| 55 to 64 years .....    | 11,314                               | 5,095                | 45.0                  | 4,950    | 144        | 2.8                    | 6,219              | 4,386         | 15              | 312            | 1,506         |
| 55 to 59 years .....    | 5,577                                | 3,055                | 54.8                  | 2,964    | 91         | 3.0                    | 2,521              | 1,909         | 8               | 153            | 451           |
| 60 to 64 years .....    | 5,737                                | 2,039                | 35.5                  | 1,986    | 53         | 2.6                    | 3,698              | 2,476         | 7               | 160            | 1,055         |
| 65 years and over ..... | 17,039                               | 1,429                | 8.4                   | 1,388    | 41         | 2.9                    | 15,610             | 8,711         | 13              | 718            | 6,168         |
| 65 to 69 years .....    | 5,486                                | 898                  | 16.4                  | 869      | 29         | 3.2                    | 4,588              | 2,784         | 4               | 131            | 1,669         |
| 70 years and over ..... | 11,553                               | 531                  | 4.6                   | 519      | 12         | 2.3                    | 11,022             | 5,927         | 8               | 587            | 4,499         |

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

(Numbers in thousands)

| Age, sex, and race      | 1989                                 |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>WHITE</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 159,338                              | 106,355              | 66.7                  | 101,584  | 4,770      | 4.5                    | 52,983             | 23,399        | 5,617           | 2,610          | 21,357        |
| 16 to 19 years .....    | 11,530                               | 6,809                | 59.1                  | 5,946    | 863        | 12.7                   | 4,721              | 350           | 3,567           | 21             | 783           |
| 16 to 17 years .....    | 5,506                                | 2,685                | 48.8                  | 2,278    | 407        | 15.2                   | 2,821              | 101           | 2,238           | 6              | 476           |
| 18 to 19 years .....    | 6,023                                | 4,124                | 68.5                  | 3,668    | 456        | 11.1                   | 1,899              | 249           | 1,328           | 15             | 307           |
| 20 to 24 years .....    | 14,879                               | 11,940               | 80.2                  | 11,084   | 856        | 7.2                    | 2,939              | 1,144         | 1,272           | 53             | 470           |
| 25 to 54 years .....    | 88,012                               | 73,978               | 84.1                  | 71,307   | 2,671      | 3.6                    | 14,034             | 9,894         | 746             | 998            | 2,396         |
| 25 to 34 years .....    | 35,951                               | 30,388               | 84.5                  | 29,091   | 1,297      | 4.3                    | 5,563              | 4,042         | 494             | 235            | 793           |
| 25 to 29 years .....    | 17,690                               | 14,950               | 84.5                  | 14,258   | 692        | 4.6                    | 2,740              | 1,910         | 330             | 106            | 394           |
| 30 to 34 years .....    | 18,261                               | 15,438               | 84.5                  | 14,833   | 605        | 3.9                    | 2,823              | 2,132         | 163             | 129            | 399           |
| 35 to 44 years .....    | 30,774                               | 26,312               | 85.5                  | 25,442   | 871        | 3.3                    | 4,462              | 3,169         | 193             | 370            | 729           |
| 35 to 39 years .....    | 16,396                               | 13,960               | 85.1                  | 13,481   | 479        | 3.4                    | 2,436              | 1,771         | 119             | 166            | 379           |
| 40 to 44 years .....    | 14,378                               | 12,352               | 85.9                  | 11,961   | 391        | 3.2                    | 2,026              | 1,397         | 74              | 204            | 350           |
| 45 to 54 years .....    | 21,287                               | 17,278               | 81.2                  | 16,775   | 503        | 2.9                    | 4,009              | 2,683         | 59              | 392            | 874           |
| 45 to 49 years .....    | 11,569                               | 9,722                | 84.0                  | 9,434    | 288        | 3.0                    | 1,847              | 1,253         | 40              | 186            | 368           |
| 50 to 54 years .....    | 9,718                                | 7,556                | 77.8                  | 7,341    | 215        | 2.8                    | 2,162              | 1,430         | 19              | 206            | 506           |
| 55 to 64 years .....    | 18,743                               | 10,533               | 56.2                  | 10,223   | 311        | 3.0                    | 8,209              | 3,918         | 19              | 587            | 3,685         |
| 55 to 59 years .....    | 9,261                                | 6,255                | 67.5                  | 6,065    | 191        | 3.0                    | 3,006              | 1,689         | 10              | 287            | 1,020         |
| 60 to 64 years .....    | 9,481                                | 4,278                | 45.1                  | 4,158    | 120        | 2.8                    | 5,203              | 2,229         | 9               | 300            | 2,665         |
| 65 years and over ..... | 26,175                               | 3,094                | 11.8                  | 3,024    | 70         | 2.3                    | 23,081             | 8,093         | 13              | 952            | 14,023        |
| 65 to 69 years .....    | 8,897                                | 1,873                | 21.0                  | 1,824    | 48         | 2.6                    | 7,024              | 2,525         | 5               | 225            | 4,270         |
| 70 years and over ..... | 17,278                               | 1,221                | 7.1                   | 1,200    | 22         | 1.8                    | 16,057             | 5,568         | 8               | 727            | 9,753         |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 76,468                               | 58,988               | 77.1                  | 56,352   | 2,636      | 4.5                    | 17,480             | 411           | 2,802           | 1,462          | 12,805        |
| 16 to 19 years .....    | 5,813                                | 3,546                | 61.0                  | 3,060    | 487        | 13.7                   | 2,267              | 18            | 1,833           | 12             | 403           |
| 16 to 17 years .....    | 2,817                                | 1,401                | 49.7                  | 1,171    | 230        | 16.4                   | 1,416              | 9             | 1,160           | 4              | 242           |
| 18 to 19 years .....    | 2,996                                | 2,146                | 71.6                  | 1,889    | 257        | 12.0                   | 851                | 9             | 673             | 8              | 161           |
| 20 to 24 years .....    | 7,279                                | 6,316                | 86.8                  | 5,839    | 476        | 7.5                    | 964                | 18            | 658             | 39             | 249           |
| 25 to 54 years .....    | 43,579                               | 41,209               | 94.6                  | 39,765   | 1,444      | 3.5                    | 23,701             | 134           | 301             | 667            | 1,268         |
| 25 to 34 years .....    | 17,908                               | 17,077               | 95.4                  | 16,383   | 694        | 4.1                    | 831                | 45            | 229             | 165            | 392           |
| 25 to 29 years .....    | 8,781                                | 8,311                | 94.7                  | 7,931    | 380        | 4.6                    | 469                | 22            | 172             | 74             | 201           |
| 30 to 34 years .....    | 9,127                                | 8,766                | 96.0                  | 8,451    | 314        | 3.6                    | 362                | 23            | 56              | 91             | 191           |
| 35 to 44 years .....    | 15,237                               | 14,516               | 95.3                  | 14,046   | 470        | 3.2                    | 721                | 47            | 52              | 250            | 372           |
| 35 to 39 years .....    | 8,147                                | 7,780                | 95.5                  | 7,521    | 259        | 3.3                    | 366                | 30            | 34              | 113            | 190           |
| 40 to 44 years .....    | 7,091                                | 6,736                | 95.0                  | 6,525    | 211        | 3.1                    | 355                | 17            | 18              | 137            | 182           |
| 45 to 54 years .....    | 10,434                               | 9,615                | 92.2                  | 9,335    | 280        | 2.9                    | 818                | 42            | 20              | 251            | 504           |
| 45 to 49 years .....    | 5,686                                | 5,322                | 93.6                  | 5,165    | 157        | 2.9                    | 364                | 19            | 14              | 123            | 208           |
| 50 to 54 years .....    | 4,747                                | 4,293                | 90.4                  | 4,170    | 123        | 2.9                    | 454                | 23            | 7               | 128            | 296           |
| 55 to 64 years .....    | 8,900                                | 6,082                | 68.3                  | 5,891    | 191        | 3.1                    | 2,818              | 62            | 6               | 356            | 2,394         |
| 55 to 59 years .....    | 4,448                                | 3,601                | 81.0                  | 3,485    | 116        | 3.2                    | 847                | 22            | 3               | 174            | 649           |
| 60 to 64 years .....    | 4,451                                | 2,481                | 55.7                  | 2,406    | 75         | 3.0                    | 1,970              | 39            | 4               | 182            | 1,745         |
| 65 years and over ..... | 10,897                               | 1,835                | 16.8                  | 1,797    | 38         | 2.1                    | 9,061              | 180           | 3               | 389            | 8,490         |
| 65 to 69 years .....    | 4,064                                | 1,082                | 26.6                  | 1,055    | 27         | 2.5                    | 2,982              | 45            | 1               | 130            | 2,806         |
| 70 years and over ..... | 6,833                                | 753                  | 11.0                  | 742      | 11         | 1.5                    | 6,080              | 135           | 2               | 259            | 5,684         |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 82,871                               | 47,367               | 57.2                  | 45,232   | 2,135      | 4.5                    | 35,504             | 22,987        | 2,815           | 1,148          | 8,553         |
| 16 to 19 years .....    | 5,716                                | 3,262                | 57.1                  | 2,886    | 376        | 11.5                   | 2,454              | 332           | 1,733           | 8              | 380           |
| 16 to 17 years .....    | 2,690                                | 1,284                | 47.7                  | 1,107    | 177        | 13.8                   | 1,406              | 92            | 1,079           | 1              | 234           |
| 18 to 19 years .....    | 3,027                                | 1,978                | 65.4                  | 1,779    | 199        | 10.1                   | 1,048              | 240           | 655             | 7              | 146           |
| 20 to 24 years .....    | 7,600                                | 5,625                | 74.0                  | 5,245    | 380        | 6.8                    | 1,975              | 1,126         | 614             | 14             | 221           |
| 25 to 54 years .....    | 44,433                               | 32,770               | 73.8                  | 31,543   | 1,227      | 3.7                    | 11,664             | 9,760         | 445             | 331            | 1,128         |
| 25 to 34 years .....    | 18,043                               | 13,311               | 73.8                  | 12,708   | 603        | 4.5                    | 4,732              | 3,997         | 265             | 70             | 401           |
| 25 to 29 years .....    | 8,909                                | 6,639                | 74.5                  | 6,326    | 312        | 4.7                    | 2,271              | 1,888         | 158             | 32             | 193           |
| 30 to 34 years .....    | 9,133                                | 6,672                | 73.0                  | 6,381    | 290        | 4.4                    | 2,461              | 2,109         | 107             | 38             | 208           |
| 35 to 44 years .....    | 15,537                               | 11,796               | 75.9                  | 11,395   | 401        | 3.4                    | 3,741              | 3,122         | 141             | 120            | 358           |
| 35 to 39 years .....    | 8,249                                | 6,180                | 74.9                  | 5,960    | 220        | 3.6                    | 2,070              | 1,742         | 86              | 53             | 189           |
| 40 to 44 years .....    | 7,288                                | 5,616                | 77.1                  | 5,435    | 181        | 3.2                    | 1,671              | 1,380         | 56              | 67             | 169           |
| 45 to 54 years .....    | 10,853                               | 7,663                | 70.6                  | 7,440    | 223        | 2.9                    | 3,191              | 2,641         | 39              | 141            | 369           |
| 45 to 49 years .....    | 5,883                                | 4,400                | 74.8                  | 4,268    | 132        | 3.0                    | 1,483              | 1,234         | 26              | 63             | 159           |
| 50 to 54 years .....    | 4,970                                | 3,263                | 65.6                  | 3,171    | 91         | 2.8                    | 1,708              | 1,407         | 13              | 78             | 210           |
| 55 to 64 years .....    | 9,843                                | 4,451                | 45.2                  | 4,332    | 120        | 2.7                    | 5,392              | 3,857         | 13              | 231            | 1,291         |
| 55 to 59 years .....    | 4,813                                | 2,654                | 55.1                  | 2,580    | 75         | 2.8                    | 2,159              | 1,667         | 7               | 113            | 371           |
| 60 to 64 years .....    | 5,030                                | 1,797                | 35.7                  | 1,752    | 45         | 2.5                    | 3,233              | 2,190         | 6               | 118            | 920           |
| 65 years and over ..... | 15,278                               | 1,259                | 8.2                   | 1,227    | 32         | 2.5                    | 14,019             | 7,913         | 11              | 563            | 5,533         |
| 65 to 69 years .....    | 4,833                                | 790                  | 16.4                  | 769      | 21         | 2.7                    | 4,042              | 2,480         | 4               | 95             | 1,464         |
| 70 years and over ..... | 10,446                               | 468                  | 4.5                   | 458      | 11         | 2.2                    | 9,977              | 5,433         | 7               | 468            | 4,069         |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

| Age, sex, and race      | 1989                                 |                      |                       |          |            |                        |                    |               |                 |                |               |
|-------------------------|--------------------------------------|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|                         | 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 |                    |               |                 |                |               |
| <b>BLACK</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 21,021                               | 13,497               | 64.2                  | 11,953   | 1,544      | 11.4                   | 7,524              | 2,722         | 1,273           | 768            | 2,761         |
| 16 to 19 years .....    | 2,176                                | 925                  | 42.5                  | 625      | 300        | 32.4                   | 1,251              | 103           | 919             | 7              | 222           |
| 16 to 17 years .....    | 1,116                                | 353                  | 31.6                  | 237      | 116        | 32.9                   | 763                | 27            | 614             | 2              | 119           |
| 18 to 19 years .....    | 1,060                                | 572                  | 53.9                  | 388      | 184        | 32.2                   | 488                | 75            | 305             | 6              | 102           |
| 20 to 24 years .....    | 2,479                                | 1,789                | 72.2                  | 1,467    | 322        | 18.0                   | 690                | 270           | 208             | 24             | 188           |
| 25 to 54 years .....    | 11,795                               | 9,476                | 80.3                  | 8,626    | 850        | 9.0                    | 2,319              | 1,250         | 141             | 325            | 604           |
| 25 to 34 years .....    | 5,308                                | 4,295                | 80.9                  | 3,801    | 494        | 11.5                   | 1,014              | 589           | 93              | 78             | 254           |
| 25 to 29 years .....    | 2,683                                | 2,154                | 80.3                  | 1,875    | 278        | 12.9                   | 529                | 303           | 59              | 33             | 134           |
| 30 to 34 years .....    | 2,625                                | 2,141                | 81.6                  | 1,925    | 215        | 10.1                   | 484                | 286           | 34              | 45             | 120           |
| 35 to 44 years .....    | 3,900                                | 3,227                | 82.7                  | 2,981    | 246        | 7.6                    | 673                | 353           | 37              | 98             | 185           |
| 35 to 39 years .....    | 2,198                                | 1,809                | 82.3                  | 1,649    | 160        | 8.8                    | 389                | 206           | 25              | 50             | 108           |
| 40 to 44 years .....    | 1,702                                | 1,418                | 83.3                  | 1,331    | 87         | 6.1                    | 284                | 148           | 12              | 47             | 77            |
| 45 to 54 years .....    | 2,587                                | 1,954                | 75.5                  | 1,844    | 109        | 5.6                    | 633                | 308           | 11              | 149            | 165           |
| 45 to 49 years .....    | 1,372                                | 1,063                | 77.5                  | 1,003    | 60         | 5.6                    | 309                | 159           | 6               | 64             | 80            |
| 50 to 54 years .....    | 1,215                                | 891                  | 73.3                  | 841      | 50         | 5.6                    | 324                | 149           | 5               | 84             | 86            |
| 55 to 64 years .....    | 2,118                                | 1,023                | 48.3                  | 970      | 53         | 5.2                    | 1,095              | 429           | 2               | 181            | 483           |
| 55 to 59 years .....    | 1,097                                | 640                  | 58.3                  | 604      | 35         | 5.5                    | 458                | 197           | 1               | 91             | 169           |
| 60 to 64 years .....    | 1,021                                | 384                  | 37.6                  | 366      | 18         | 4.7                    | 637                | 231           | 1               | 90             | 314           |
| 65 years and over ..... | 2,454                                | 285                  | 11.6                  | 265      | 20         | 6.9                    | 2,169              | 671           | 2               | 231            | 1,264         |
| 65 to 69 years .....    | 919                                  | 167                  | 18.2                  | 154      | 13         | 7.9                    | 752                | 254           | -               | 67             | 431           |
| 70 years and over ..... | 1,534                                | 118                  | 7.7                   | 111      | 6          | 5.4                    | 1,417              | 417           | 2               | 165            | 833           |
| <b>Men</b>              |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 9,439                                | 6,701                | 71.0                  | 5,928    | 773        | 11.5                   | 2,738              | 94            | 604             | 414            | 1,626         |
| 16 to 19 years .....    | 1,075                                | 480                  | 44.6                  | 327      | 153        | 31.9                   | 595                | 6             | 470             | 4              | 115           |
| 16 to 17 years .....    | 575                                  | 190                  | 33.0                  | 124      | 65         | 34.4                   | 385                | 3             | 319             | 1              | 62            |
| 18 to 19 years .....    | 501                                  | 291                  | 58.0                  | 202      | 88         | 30.3                   | 210                | 3             | 151             | 4              | 53            |
| 20 to 24 years .....    | 1,128                                | 904                  | 80.2                  | 742      | 162        | 17.9                   | 224                | 10            | 90              | 18             | 105           |
| 25 to 54 years .....    | 5,290                                | 4,645                | 87.8                  | 4,231    | 414        | 8.9                    | 644                | 44            | 43              | 199            | 358           |
| 25 to 34 years .....    | 2,403                                | 2,157                | 89.7                  | 1,931    | 226        | 10.5                   | 246                | 20            | 26              | 54             | 146           |
| 25 to 29 years .....    | 1,219                                | 1,091                | 89.6                  | 962      | 129        | 11.8                   | 127                | 11            | 19              | 24             | 73            |
| 30 to 34 years .....    | 1,185                                | 1,066                | 89.9                  | 968      | 97         | 9.1                    | 119                | 9             | 8               | 30             | 73            |
| 35 to 44 years .....    | 1,741                                | 1,544                | 88.7                  | 1,415    | 129        | 8.4                    | 197                | 15            | 14              | 59             | 110           |
| 35 to 39 years .....    | 981                                  | 872                  | 88.9                  | 787      | 86         | 9.8                    | 109                | 8             | 8               | 31             | 61            |
| 40 to 44 years .....    | 760                                  | 671                  | 88.4                  | 628      | 43         | 6.4                    | 88                 | 7             | 6               | 28             | 49            |
| 45 to 54 years .....    | 1,145                                | 945                  | 82.5                  | 886      | 59         | 6.2                    | 201                | 10            | 3               | 86             | 102           |
| 45 to 49 years .....    | 609                                  | 516                  | 84.8                  | 484      | 32         | 6.2                    | 93                 | 5             | 2               | 38             | 47            |
| 50 to 54 years .....    | 536                                  | 428                  | 79.9                  | 401      | 27         | 6.3                    | 108                | 5             | 1               | 48             | 55            |
| 55 to 64 years .....    | 956                                  | 530                  | 55.5                  | 498      | 33         | 6.2                    | 426                | 15            | 1               | 104            | 307           |
| 55 to 59 years .....    | 497                                  | 330                  | 66.4                  | 308      | 22         | 6.6                    | 167                | 7             | 1               | 54             | 105           |
| 60 to 64 years .....    | 459                                  | 200                  | 43.6                  | 189      | 11         | 5.4                    | 259                | 8             | -               | 49             | 202           |
| 65 years and over ..... | 989                                  | 141                  | 14.3                  | 131      | 10         | 7.4                    | 848                | 19            | -               | 88             | 741           |
| 65 to 69 years .....    | 380                                  | 78                   | 20.7                  | 73       | 6          | 7.3                    | 301                | 8             | -               | 32             | 262           |
| 70 years and over ..... | 610                                  | 63                   | 10.3                  | 58       | 5          | 7.4                    | 547                | 11            | -               | 57             | 479           |
| <b>Women</b>            |                                      |                      |                       |          |            |                        |                    |               |                 |                |               |
| 16 years and over ..... | 11,582                               | 6,796                | 58.7                  | 6,025    | 772        | 11.4                   | 4,786              | 2,628         | 669             | 354            | 1,135         |
| 16 to 19 years .....    | 1,100                                | 445                  | 40.4                  | 298      | 147        | 33.0                   | 656                | 97            | 449             | 3              | 106           |
| 16 to 17 years .....    | 541                                  | 163                  | 30.2                  | 113      | 51         | 31.1                   | 378                | 24            | 295             | 1              | 57            |
| 18 to 19 years .....    | 559                                  | 281                  | 50.3                  | 185      | 96         | 34.0                   | 278                | 73            | 154             | 2              | 49            |
| 20 to 24 years .....    | 1,351                                | 885                  | 65.5                  | 725      | 160        | 18.1                   | 466                | 259           | 118             | 6              | 83            |
| 25 to 54 years .....    | 6,505                                | 4,830                | 74.3                  | 4,395    | 435        | 9.0                    | 1,675              | 1,206         | 98              | 126            | 246           |
| 25 to 34 years .....    | 2,905                                | 2,138                | 73.6                  | 1,870    | 267        | 12.5                   | 767                | 569           | 67              | 24             | 108           |
| 25 to 29 years .....    | 1,465                                | 1,062                | 72.5                  | 913      | 149        | 14.1                   | 402                | 292           | 41              | 9              | 61            |
| 30 to 34 years .....    | 1,440                                | 1,075                | 74.7                  | 957      | 118        | 11.0                   | 365                | 277           | 26              | 15             | 47            |
| 35 to 44 years .....    | 2,159                                | 1,683                | 78.0                  | 1,566    | 118        | 7.0                    | 476                | 338           | 23              | 39             | 75            |
| 35 to 39 years .....    | 1,217                                | 937                  | 77.0                  | 863      | 74         | 7.9                    | 280                | 197           | 17              | 19             | 47            |
| 40 to 44 years .....    | 942                                  | 747                  | 79.2                  | 703      | 43         | 5.8                    | 196                | 141           | 6               | 20             | 28            |
| 45 to 54 years .....    | 1,441                                | 1,009                | 70.0                  | 959      | 50         | 5.0                    | 432                | 298           | 8               | 63             | 63            |
| 45 to 49 years .....    | 763                                  | 547                  | 71.7                  | 519      | 28         | 5.1                    | 216                | 154           | 4               | 26             | 32            |
| 50 to 54 years .....    | 678                                  | 463                  | 68.2                  | 440      | 23         | 4.9                    | 216                | 144           | 4               | 37             | 31            |
| 55 to 64 years .....    | 1,162                                | 493                  | 42.4                  | 472      | 21         | 4.2                    | 669                | 414           | 2               | 77             | 176           |
| 55 to 59 years .....    | 600                                  | 309                  | 51.5                  | 296      | 13         | 4.3                    | 291                | 190           | -               | 36             | 64            |
| 60 to 64 years .....    | 561                                  | 183                  | 32.7                  | 176      | 7          | 4.0                    | 378                | 223           | 1               | 41             | 112           |
| 65 years and over ..... | 1,464                                | 144                  | 9.8                   | 134      | 9          | 6.4                    | 1,321              | 652           | 2               | 143            | 524           |
| 65 to 69 years .....    | 540                                  | 89                   | 16.4                  | 81       | 7          | 8.4                    | 451                | 246           | -               | 35             | 170           |
| 70 years and over ..... | 925                                  | 55                   | 5.9                   | 53       | 2          | 3.1                    | 870                | 407           | 1               | 108            | 354           |

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

(Numbers in thousands)

| Age and sex             | 1989                                 |                      |                       |          |             |                            |            |                        | 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 |                    |
| <b>TOTAL</b>            |                                      |                      |                       |          |             |                            |            |                        |                    |
| 16 years and over ..... | 27,054                               | 17,514               | 64.7                  | 15,757   | 203         | 15,554                     | 1,757      | 10.0                   | 9,540              |
| 16 to 19 years .....    | 2,694                                | 1,145                | 42.5                  | 813      | 11          | 803                        | 331        | 29.0                   | 1,549              |
| 16 to 17 years .....    | 1,379                                | 440                  | 31.9                  | 310      | 7           | 303                        | 131        | 29.7                   | 939                |
| 18 to 19 years .....    | 1,314                                | 704                  | 53.6                  | 503      | 4           | 500                        | 201        | 28.5                   | 610                |
| 20 to 24 years .....    | 3,146                                | 2,240                | 71.2                  | 1,878    | 21          | 1,857                      | 362        | 16.2                   | 906                |
| 25 to 54 years .....    | 15,554                               | 12,435               | 79.9                  | 11,459   | 129         | 11,330                     | 975        | 7.8                    | 3,119              |
| 25 to 34 years .....    | 6,894                                | 5,508                | 79.9                  | 4,954    | 56          | 4,898                      | 554        | 10.1                   | 1,386              |
| 25 to 29 years .....    | 3,456                                | 2,734                | 79.1                  | 2,423    | 31          | 2,391                      | 311        | 11.4                   | 722                |
| 30 to 34 years .....    | 3,438                                | 2,774                | 80.7                  | 2,531    | 25          | 2,507                      | 243        | 8.7                    | 664                |
| 35 to 44 years .....    | 5,203                                | 4,289                | 82.4                  | 4,001    | 43          | 3,958                      | 288        | 6.7                    | 913                |
| 35 to 39 years .....    | 2,927                                | 2,402                | 82.1                  | 2,216    | 21          | 2,195                      | 186        | 7.7                    | 525                |
| 40 to 44 years .....    | 2,276                                | 1,887                | 82.9                  | 1,785    | 21          | 1,764                      | 102        | 5.4                    | 388                |
| 45 to 54 years .....    | 3,457                                | 2,638                | 76.3                  | 2,504    | 30          | 2,474                      | 133        | 5.1                    | 820                |
| 45 to 49 years .....    | 1,869                                | 1,465                | 78.4                  | 1,389    | 14          | 1,375                      | 76         | 5.2                    | 405                |
| 50 to 54 years .....    | 1,588                                | 1,173                | 73.9                  | 1,116    | 16          | 1,099                      | 58         | 4.9                    | 415                |
| 55 to 64 years .....    | 2,663                                | 1,344                | 50.5                  | 1,276    | 25          | 1,251                      | 68         | 5.0                    | 1,320              |
| 55 to 59 years .....    | 1,389                                | 833                  | 59.9                  | 790      | 14          | 776                        | 43         | 5.1                    | 557                |
| 60 to 64 years .....    | 1,274                                | 511                  | 40.1                  | 486      | 11          | 475                        | 25         | 4.9                    | 763                |
| 65 years and over ..... | 2,998                                | 352                  | 11.7                  | 331      | 17          | 314                        | 21         | 5.9                    | 2,646              |
| 65 to 69 years .....    | 1,137                                | 214                  | 18.8                  | 200      | 8           | 193                        | 14         | 6.6                    | 923                |
| 70 years and over ..... | 1,861                                | 138                  | 7.4                   | 131      | 10          | 122                        | 7          | 4.7                    | 1,723              |
| <b>Men</b>              |                                      |                      |                       |          |             |                            |            |                        |                    |
| 16 years and over ..... | 12,295                               | 8,852                | 72.0                  | 7,963    | 168         | 7,795                      | 889        | 10.0                   | 3,443              |
| 16 to 19 years .....    | 1,330                                | 589                  | 44.3                  | 417      | 10          | 408                        | 172        | 29.2                   | 741                |
| 16 to 17 years .....    | 707                                  | 230                  | 32.5                  | 156      | 7           | 149                        | 74         | 32.0                   | 478                |
| 18 to 19 years .....    | 622                                  | 360                  | 57.8                  | 261      | 3           | 258                        | 98         | 27.3                   | 263                |
| 20 to 24 years .....    | 1,463                                | 1,143                | 78.1                  | 959      | 16          | 943                        | 184        | 16.1                   | 320                |
| 25 to 54 years .....    | 7,072                                | 6,237                | 88.2                  | 5,758    | 108         | 5,650                      | 480        | 7.7                    | 834                |
| 25 to 34 years .....    | 3,172                                | 2,828                | 89.2                  | 2,569    | 47          | 2,522                      | 259        | 9.2                    | 343                |
| 25 to 29 years .....    | 1,601                                | 1,420                | 88.7                  | 1,273    | 28          | 1,245                      | 147        | 10.3                   | 181                |
| 30 to 34 years .....    | 1,570                                | 1,408                | 89.7                  | 1,296    | 19          | 1,277                      | 112        | 8.0                    | 162                |
| 35 to 44 years .....    | 2,352                                | 2,105                | 89.5                  | 1,956    | 37          | 1,919                      | 150        | 7.1                    | 247                |
| 35 to 39 years .....    | 1,336                                | 1,196                | 89.6                  | 1,096    | 18          | 1,078                      | 100        | 8.4                    | 139                |
| 40 to 44 years .....    | 1,017                                | 909                  | 89.4                  | 860      | 19          | 841                        | 50         | 5.5                    | 108                |
| 45 to 54 years .....    | 1,548                                | 1,304                | 84.2                  | 1,233    | 25          | 1,209                      | 71         | 5.4                    | 244                |
| 45 to 49 years .....    | 838                                  | 725                  | 86.5                  | 685      | 11          | 674                        | 40         | 5.5                    | 113                |
| 50 to 54 years .....    | 710                                  | 579                  | 81.6                  | 548      | 14          | 535                        | 31         | 5.3                    | 131                |
| 55 to 64 years .....    | 1,193                                | 701                  | 58.7                  | 657      | 19          | 638                        | 43         | 6.2                    | 492                |
| 55 to 59 years .....    | 626                                  | 432                  | 69.0                  | 405      | 9           | 396                        | 27         | 6.1                    | 194                |
| 60 to 64 years .....    | 567                                  | 269                  | 47.4                  | 252      | 10          | 242                        | 17         | 6.2                    | 298                |
| 65 years and over ..... | 1,237                                | 182                  | 14.7                  | 171      | 15          | 156                        | 11         | 6.0                    | 1,055              |
| 65 to 69 years .....    | 483                                  | 107                  | 22.1                  | 100      | 7           | 94                         | 6          | 5.8                    | 377                |
| 70 years and over ..... | 753                                  | 75                   | 10.0                  | 70       | 8           | 62                         | 5          | 6.3                    | 678                |
| <b>Women</b>            |                                      |                      |                       |          |             |                            |            |                        |                    |
| 16 years and over ..... | 14,760                               | 8,663                | 58.7                  | 7,795    | 35          | 7,759                      | 868        | 10.0                   | 6,097              |
| 16 to 19 years .....    | 1,364                                | 555                  | 40.7                  | 396      | 1           | 395                        | 160        | 28.7                   | 808                |
| 16 to 17 years .....    | 672                                  | 211                  | 31.4                  | 154      | -           | 153                        | 57         | 27.1                   | 461                |
| 18 to 19 years .....    | 692                                  | 345                  | 49.8                  | 242      | 1           | 242                        | 103        | 29.8                   | 347                |
| 20 to 24 years .....    | 1,683                                | 1,097                | 65.2                  | 919      | 5           | 913                        | 178        | 16.3                   | 586                |
| 25 to 54 years .....    | 8,482                                | 6,197                | 73.1                  | 5,701    | 21          | 5,680                      | 496        | 8.0                    | 2,285              |
| 25 to 34 years .....    | 3,722                                | 2,679                | 72.0                  | 2,385    | 10          | 2,375                      | 294        | 11.0                   | 1,043              |
| 25 to 29 years .....    | 1,855                                | 1,314                | 70.8                  | 1,150    | 4           | 1,146                      | 164        | 12.5                   | 541                |
| 30 to 34 years .....    | 1,867                                | 1,366                | 73.1                  | 1,235    | 6           | 1,230                      | 130        | 9.5                    | 502                |
| 35 to 44 years .....    | 2,850                                | 2,184                | 76.6                  | 2,045    | 6           | 2,040                      | 139        | 6.4                    | 666                |
| 35 to 39 years .....    | 1,592                                | 1,206                | 75.8                  | 1,120    | 3           | 1,117                      | 86         | 7.1                    | 386                |
| 40 to 44 years .....    | 1,259                                | 978                  | 77.7                  | 925      | 3           | 923                        | 53         | 5.4                    | 280                |
| 45 to 54 years .....    | 1,910                                | 1,334                | 69.9                  | 1,271    | 6           | 1,265                      | 63         | 4.7                    | 576                |
| 45 to 49 years .....    | 1,031                                | 740                  | 71.7                  | 704      | 3           | 701                        | 36         | 4.8                    | 291                |
| 50 to 54 years .....    | 878                                  | 594                  | 67.6                  | 567      | 3           | 564                        | 27         | 4.5                    | 284                |
| 55 to 64 years .....    | 1,471                                | 643                  | 43.7                  | 619      | 6           | 612                        | 25         | 3.8                    | 828                |
| 55 to 59 years .....    | 763                                  | 401                  | 52.5                  | 384      | 5           | 380                        | 16         | 4.1                    | 363                |
| 60 to 64 years .....    | 707                                  | 242                  | 34.3                  | 234      | 1           | 233                        | 8          | 3.4                    | 465                |
| 65 years and over ..... | 1,761                                | 170                  | 9.7                   | 160      | 2           | 158                        | 10         | 5.7                    | 1,591              |
| 65 to 69 years .....    | 653                                  | 107                  | 16.4                  | 100      | 1           | 99                         | 8          | 7.3                    | 546                |
| 70 years and over ..... | 1,107                                | 63                   | 5.7                   | 61       | 1           | 60                         | 2          | 2.9                    | 1,045              |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**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 |        |
|--|---------|---------|------------------------|--------|--------------------------|--------|----------------------------|--------|
|  | 1988    | 1989    | 1988                   | 1989   | 1988                     | 1989   | 1988                       | 1989   |
| <b>TOTAL</b>                               |         |         |                        |        |                          |        |                            |        |
| Civilian noninstitutional population ..... | 184,613 | 186,393 | 80,553                 | 81,619 | 89,532                   | 90,550 | 14,527                     | 14,223 |
| Civilian labor force .....                 | 121,669 | 123,869 | 62,768                 | 63,704 | 50,870                   | 52,212 | 8,031                      | 7,954  |
| Percent of population .....                | 65.9    | 66.5    | 77.9                   | 78.1   | 56.8                     | 57.7   | 55.3                       | 55.9   |
| Employed .....                             | 114,968 | 117,342 | 59,781                 | 60,837 | 48,383                   | 49,745 | 6,805                      | 6,759  |
| Agriculture .....                          | 3,169   | 3,199   | 2,271                  | 2,307  | 625                      | 642    | 273                        | 250    |
| Nonagricultural industries .....           | 111,800 | 114,142 | 57,510                 | 58,530 | 47,757                   | 49,103 | 6,532                      | 6,510  |
| Unemployed .....                           | 6,701   | 6,528   | 2,987                  | 2,867  | 2,487                    | 2,467  | 1,226                      | 1,194  |
| Unemployment rate .....                    | 5.5     | 5.3     | 4.8                    | 4.5    | 4.9                      | 4.7    | 15.3                       | 15.0   |
| Not in labor force .....                   | 62,944  | 62,523  | 17,785                 | 17,915 | 38,662                   | 38,339 | 6,497                      | 6,270  |
| <b>White</b>                               |         |         |                        |        |                          |        |                            |        |
| Civilian noninstitutional population ..... | 158,194 | 159,338 | 69,887                 | 70,654 | 76,470                   | 77,154 | 11,838                     | 11,530 |
| Civilian labor force .....                 | 104,756 | 106,355 | 54,734                 | 55,441 | 43,081                   | 44,105 | 6,940                      | 6,809  |
| Percent of population .....                | 66.2    | 66.7    | 78.3                   | 78.5   | 56.3                     | 57.2   | 58.6                       | 59.1   |
| Employed .....                             | 99,812  | 101,584 | 52,466                 | 53,292 | 41,316                   | 42,346 | 6,030                      | 5,946  |
| Agriculture .....                          | 2,965   | 2,996   | 2,104                  | 2,149  | 599                      | 608    | 263                        | 239    |
| Nonagricultural industries .....           | 96,846  | 98,588  | 50,362                 | 51,143 | 40,717                   | 41,738 | 5,767                      | 5,707  |
| Unemployed .....                           | 4,944   | 4,770   | 2,268                  | 2,149  | 1,766                    | 1,758  | 910                        | 863    |
| Unemployment rate .....                    | 4.7     | 4.5     | 4.1                    | 3.9    | 4.1                      | 4.0    | 13.1                       | 12.7   |
| Not in labor force .....                   | 53,439  | 52,983  | 15,153                 | 15,213 | 33,389                   | 33,050 | 4,897                      | 4,721  |
| <b>Black</b>                               |         |         |                        |        |                          |        |                            |        |
| Civilian noninstitutional population ..... | 20,692  | 21,021  | 8,215                  | 8,364  | 10,298                   | 10,482 | 2,179                      | 2,176  |
| Civilian labor force .....                 | 13,205  | 13,497  | 6,127                  | 6,221  | 6,190                    | 6,352  | 889                        | 925    |
| Percent of population .....                | 63.8    | 64.2    | 74.6                   | 74.4   | 60.1                     | 60.6   | 40.8                       | 42.5   |
| Employed .....                             | 11,658  | 11,953  | 5,509                  | 5,602  | 5,548                    | 5,727  | 601                        | 625    |
| Agriculture .....                          | 153     | 150     | 129                    | 119    | 18                       | 23     | 7                          | 8      |
| Nonagricultural industries .....           | 11,505  | 11,803  | 5,381                  | 5,483  | 5,530                    | 5,703  | 594                        | 617    |
| Unemployed .....                           | 1,547   | 1,544   | 617                    | 619    | 642                      | 625    | 288                        | 300    |
| Unemployment rate .....                    | 11.7    | 11.4    | 10.1                   | 10.0   | 10.4                     | 9.8    | 32.4                       | 32.4   |
| Not in labor force .....                   | 7,487   | 7,524   | 2,089                  | 2,143  | 4,108                    | 4,130  | 1,291                      | 1,251  |

6. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin

(Numbers in thousands)

| Employment status, years of school completed, race, and Hispanic origin | 1989                                 |                      |                       |          |                        |                        |            |                            |                            |                        |
|---|--------------------------------------|----------------------|-----------------------|----------|------------------------|------------------------|------------|----------------------------|----------------------------|------------------------|
|   | Civilian noninstitutional population | Civilian labor force |                       |          |                        |                        |            |                            |                            |                        |
|   |                                      | Total                | Percent of population | Employed |                        |                        | Unemployed |                            |                            | Percent of labor force |
|   |                                      |                      |                       | Total    | Full time <sup>1</sup> | Part time <sup>1</sup> | Total      | Looking for full-time work | Looking for part-time work |                        |
| <b>TOTAL ENROLLED</b>   |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 12,780                               | 6,367                | 49.8                  | 5,681    | 1,177                  | 4,504                  | 686        | 127                        | 559                        | 10.8                   |
| 16 to 19 years .....  | 8,685                                | 3,912                | 45.0                  | 3,388    | 378                    | 3,011                  | 523        | 73                         | 450                        | 13.4                   |
| 20 to 24 years .....  | 4,095                                | 2,455                | 60.0                  | 2,292    | 799                    | 1,493                  | 163        | 54                         | 109                        | 6.6                    |
| High school .....   | 6,440                                | 2,752                | 42.7                  | 2,328    | 185                    | 2,143                  | 425        | 59                         | 365                        | 15.4                   |
| College .....   | 6,339                                | 3,615                | 57.0                  | 3,353    | 993                    | 2,360                  | 262        | 67                         | 194                        | 7.2                    |
| Full-time students .....  | 5,359                                | 2,741                | 51.1                  | 2,521    | 448                    | 2,073                  | 220        | 47                         | 173                        | 8.0                    |
| Part-time students .....  | 980                                  | 874                  | 89.2                  | 832      | 545                    | 287                    | 41         | 20                         | 21                         | 4.7                    |
| Men, 16 to 24 years .....   | 6,441                                | 3,163                | 49.1                  | 2,777    | 631                    | 2,146                  | 386        | 73                         | 313                        | 12.2                   |
| 16 to 19 years .....  | 4,401                                | 1,963                | 44.6                  | 1,666    | 219                    | 1,446                  | 297        | 43                         | 254                        | 15.1                   |
| 20 to 24 years .....  | 2,039                                | 1,201                | 58.9                  | 1,112    | 412                    | 700                    | 89         | 29                         | 60                         | 7.4                    |
| High school .....   | 3,401                                | 1,462                | 43.0                  | 1,207    | 126                    | 1,081                  | 255        | 39                         | 216                        | 17.4                   |
| College .....   | 3,040                                | 1,701                | 56.0                  | 1,570    | 505                    | 1,065                  | 131        | 34                         | 97                         | 7.7                    |
| Full-time students .....  | 2,610                                | 1,311                | 50.2                  | 1,198    | 249                    | 949                    | 113        | 26                         | 87                         | 8.6                    |
| Part-time students .....  | 430                                  | 390                  | 90.7                  | 372      | 256                    | 116                    | 18         | 8                          | 10                         | 4.6                    |
| Women, 16 to 24 years .....   | 6,339                                | 3,204                | 50.5                  | 2,904    | 546                    | 2,357                  | 300        | 54                         | 246                        | 9.4                    |
| 16 to 19 years .....  | 4,283                                | 1,949                | 45.5                  | 1,723    | 159                    | 1,564                  | 226        | 30                         | 196                        | 11.6                   |
| 20 to 24 years .....  | 2,055                                | 1,255                | 61.1                  | 1,181    | 388                    | 793                    | 74         | 25                         | 50                         | 5.9                    |
| High school .....   | 3,040                                | 1,290                | 42.4                  | 1,120    | 59                     | 1,062                  | 170        | 21                         | 149                        | 13.1                   |
| College .....   | 3,299                                | 1,914                | 58.0                  | 1,783    | 488                    | 1,295                  | 131        | 33                         | 97                         | 6.8                    |
| Full-time students .....  | 2,749                                | 1,430                | 52.0                  | 1,322    | 199                    | 1,124                  | 107        | 21                         | 86                         | 7.5                    |
| Part-time students .....  | 550                                  | 484                  | 88.0                  | 461      | 289                    | 172                    | 23         | 12                         | 11                         | 4.8                    |
| <b>White</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 10,396                               | 5,470                | 52.6                  | 4,962    | 1,020                  | 3,942                  | 508        | 87                         | 421                        | 9.3                    |
| 16 to 19 years .....  | 6,972                                | 3,358                | 48.2                  | 2,975    | 330                    | 2,645                  | 383        | 48                         | 335                        | 11.4                   |
| 20 to 24 years .....  | 3,425                                | 2,112                | 61.7                  | 1,987    | 689                    | 1,298                  | 125        | 39                         | 86                         | 5.9                    |
| Men .....   | 5,259                                | 2,733                | 52.0                  | 2,442    | 552                    | 1,890                  | 291        | 51                         | 240                        | 10.6                   |
| Women .....   | 5,137                                | 2,737                | 53.3                  | 2,520    | 468                    | 2,052                  | 217        | 36                         | 181                        | 7.9                    |
| High school .....   | 5,058                                | 2,337                | 46.2                  | 2,026    | 156                    | 1,871                  | 311        | 40                         | 270                        | 13.3                   |
| College .....   | 5,338                                | 3,133                | 58.7                  | 2,936    | 864                    | 2,071                  | 197        | 47                         | 150                        | 6.3                    |
| Full-time students .....  | 4,513                                | 2,390                | 53.0                  | 2,220    | 395                    | 1,825                  | 170        | 34                         | 135                        | 7.1                    |
| Part-time students .....  | 826                                  | 743                  | 90.0                  | 715      | 469                    | 246                    | 28         | 13                         | 15                         | 3.7                    |
| <b>Black</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 1,774                                | 649                  | 36.6                  | 493      | 113                    | 380                    | 156        | 34                         | 122                        | 24.0                   |
| 16 to 19 years .....  | 1,344                                | 423                  | 31.4                  | 297      | 34                     | 263                    | 126        | 23                         | 103                        | 29.8                   |
| 20 to 24 years .....  | 429                                  | 227                  | 52.9                  | 197      | 79                     | 118                    | 30         | 11                         | 19                         | 13.2                   |
| Men .....   | 862                                  | 304                  | 35.3                  | 222      | 52                     | 171                    | 82         | 18                         | 64                         | 26.9                   |
| Women .....   | 912                                  | 345                  | 37.9                  | 271      | 62                     | 209                    | 74         | 16                         | 59                         | 21.5                   |
| High school .....   | 1,102                                | 320                  | 29.0                  | 218      | 21                     | 197                    | 101        | 17                         | 85                         | 31.7                   |
| College .....   | 671                                  | 329                  | 49.1                  | 275      | 92                     | 183                    | 55         | 17                         | 38                         | 16.5                   |
| Full-time students .....  | 563                                  | 237                  | 42.0                  | 195      | 39                     | 156                    | 42         | 10                         | 32                         | 17.8                   |
| Part-time students .....  | 108                                  | 93                   | 85.9                  | 80       | 53                     | 27                     | 12         | 7                          | 6                          | 13.3                   |
| <b>Hispanic origin</b>  |                                      |                      |                       |          |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 1,021                                | 425                  | 41.6                  | 362      | 113                    | 249                    | 63         | 14                         | 48                         | 14.8                   |
| 16 to 19 years .....  | 754                                  | 256                  | 34.0                  | 205      | 38                     | 167                    | 51         | 11                         | 40                         | 19.9                   |
| 20 to 24 years .....  | 267                                  | 169                  | 63.1                  | 157      | 76                     | 81                     | 12         | 3                          | 8                          | 7.0                    |
| Men .....   | 511                                  | 226                  | 44.2                  | 185      | 64                     | 121                    | 41         | 10                         | 31                         | 18.2                   |
| Women .....   | 510                                  | 199                  | 39.0                  | 177      | 49                     | 128                    | 22         | 4                          | 17                         | 10.9                   |
| High school .....   | 641                                  | 194                  | 30.3                  | 147      | 29                     | 118                    | 47         | 11                         | 36                         | 24.1                   |
| College .....   | 380                                  | 231                  | 60.8                  | 215      | 84                     | 130                    | 16         | 4                          | 12                         | 6.9                    |
| Full-time students .....  | 277                                  | 142                  | 51.1                  | 129      | 30                     | 99                     | 12         | 2                          | 10                         | 8.7                    |
| Part-time students .....  | 103                                  | 89                   | 87.0                  | 86       | 54                     | 31                     | 4          | 1                          | 3                          | 4.1                    |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**6. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Employment status, years of school completed, race, and Hispanic origin | 1989                                 |                      |                       |              |                        |                        |            |                            |                            |                        |
|---|--------------------------------------|----------------------|-----------------------|--------------|------------------------|------------------------|------------|----------------------------|----------------------------|------------------------|
|   | Civilian noninstitutional population | Civilian labor force |                       |              |                        |                        |            |                            |                            |                        |
|   |                                      | Total                | Percent of population | Employed     |                        |                        | Unemployed |                            |                            | Percent of labor force |
|   |                                      |                      |                       | Total        | Full time <sup>1</sup> | Part time <sup>1</sup> | Total      | Looking for full-time work | Looking for part-time work |                        |
| <b>TOTAL NOT ENROLLED</b>   |                                      |                      |                       |              |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 19,469                               | 15,766               | 81.0                  | 14,040       | 11,564                 | 2,476                  | 1,726      | 1,483                      | 243                        | 10.9                   |
| 16 to 19 years .....  | 5,538                                | 4,042                | 73.0                  | 3,371        | 2,196                  | 1,175                  | 671        | 523                        | 148                        | 16.6                   |
| 20 to 24 years .....  | 13,930                               | 11,724               | 84.2                  | 10,669       | 9,368                  | 1,301                  | 1,055      | 960                        | 95                         | 9.0                    |
| Less than 4 years of high school .....                                  | 5,330                                | 3,469                | 65.1                  | 2,780        | 1,945                  | 836                    | 689        | 561                        | 127                        | 19.9                   |
| 4 years of high school .....  | 9,107                                | 7,676                | 84.3                  | 6,901        | 5,830                  | 1,071                  | 775        | 692                        | 83                         | 10.1                   |
| 1 to 3 years of college .....   | 3,455                                | 3,120                | 90.3                  | 2,932        | 2,483                  | 449                    | 188        | 159                        | 29                         | 6.0                    |
| 4 years of college or more .....  | 1,577                                | 1,501                | 95.2                  | 1,426        | 1,307                  | 120                    | 75         | 71                         | 4                          | 5.0                    |
| <b>Men, 16 to 24 years .....</b>  | <b>9,445</b>                         | <b>8,431</b>         | <b>89.3</b>           | <b>7,499</b> | <b>6,499</b>           | <b>1,000</b>           | <b>932</b> | <b>845</b>                 | <b>87</b>                  | <b>11.1</b>            |
| 16 to 19 years .....  | 2,742                                | 2,173                | 79.3                  | 1,812        | 1,279                  | 532                    | 361        | 300                        | 61                         | 16.6                   |
| 20 to 24 years .....  | 6,703                                | 6,258                | 93.4                  | 5,687        | 5,220                  | 467                    | 571        | 545                        | 26                         | 9.1                    |
| Less than 4 years of high school .....                                  | 2,811                                | 2,221                | 79.0                  | 1,813        | 1,391                  | 421                    | 409        | 354                        | 54                         | 18.4                   |
| 4 years of high school .....  | 4,379                                | 4,071                | 92.9                  | 3,674        | 3,303                  | 371                    | 396        | 373                        | 24                         | 9.7                    |
| 1 to 3 years of college .....   | 1,580                                | 1,489                | 94.3                  | 1,401        | 1,232                  | 170                    | 88         | 80                         | 8                          | 5.9                    |
| 4 years of college or more .....  | 675                                  | 650                  | 96.3                  | 610          | 572                    | 38                     | 39         | 38                         | 1                          | 6.1                    |
| <b>Women, 16 to 24 years .....</b>                                      | <b>10,024</b>                        | <b>7,336</b>         | <b>73.2</b>           | <b>6,542</b> | <b>5,065</b>           | <b>1,476</b>           | <b>794</b> | <b>638</b>                 | <b>156</b>                 | <b>10.8</b>            |
| 16 to 19 years .....  | 2,797                                | 1,869                | 66.8                  | 1,559        | 917                    | 642                    | 310        | 223                        | 87                         | 16.6                   |
| 20 to 24 years .....  | 7,227                                | 5,467                | 75.6                  | 4,982        | 4,148                  | 834                    | 484        | 415                        | 69                         | 8.9                    |
| Less than 4 years of high school .....                                  | 2,519                                | 1,248                | 49.5                  | 967          | 553                    | 414                    | 280        | 207                        | 73                         | 22.5                   |
| 4 years of high school .....  | 4,728                                | 3,605                | 76.3                  | 3,227        | 2,527                  | 701                    | 378        | 319                        | 59                         | 10.5                   |
| 1 to 3 years of college .....   | 1,876                                | 1,631                | 87.0                  | 1,531        | 1,251                  | 280                    | 100        | 79                         | 21                         | 6.1                    |
| 4 years of college or more .....  | 902                                  | 851                  | 94.4                  | 816          | 734                    | 82                     | 35         | 33                         | 3                          | 4.2                    |
| <b>White</b>  |                                      |                      |                       |              |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 16,012                               | 13,279               | 82.9                  | 12,068       | 9,997                  | 2,072                  | 1,211      | 1,032                      | 179                        | 9.1                    |
| 16 to 19 years .....  | 4,558                                | 3,451                | 75.7                  | 2,971        | 1,963                  | 1,008                  | 480        | 376                        | 104                        | 13.9                   |
| 20 to 24 years .....  | 11,454                               | 9,828                | 85.8                  | 9,097        | 8,033                  | 1,064                  | 731        | 656                        | 75                         | 7.4                    |
| Men .....   | 7,833                                | 7,129                | 91.0                  | 6,458        | 5,651                  | 806                    | 672        | 607                        | 65                         | 9.4                    |
| Women .....   | 8,179                                | 6,150                | 75.2                  | 5,611        | 4,345                  | 1,265                  | 539        | 425                        | 114                        | 8.8                    |
| Less than 4 years of high school .....                                  | 4,288                                | 2,916                | 68.0                  | 2,422        | 1,712                  | 710                    | 494        | 400                        | 94                         | 16.9                   |
| 4 years of high school .....  | 7,457                                | 6,419                | 86.1                  | 5,902        | 5,023                  | 879                    | 518        | 460                        | 57                         | 8.1                    |
| 1 to 3 years of college .....   | 2,875                                | 2,611                | 90.8                  | 2,475        | 2,098                  | 377                    | 135        | 110                        | 25                         | 5.2                    |
| 4 years of college or more .....  | 1,392                                | 1,333                | 95.7                  | 1,269        | 1,163                  | 106                    | 64         | 61                         | 3                          | 4.8                    |
| <b>Black</b>  |                                      |                      |                       |              |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 2,881                                | 2,064                | 71.7                  | 1,599        | 1,265                  | 334                    | 466        | 409                        | 57                         | 22.6                   |
| 16 to 19 years .....  | 831                                  | 502                  | 60.4                  | 328          | 193                    | 135                    | 174        | 134                        | 40                         | 34.6                   |
| 20 to 24 years .....  | 2,050                                | 1,562                | 76.2                  | 1,270        | 1,071                  | 199                    | 292        | 275                        | 17                         | 18.7                   |
| Men .....   | 1,341                                | 1,080                | 80.5                  | 847          | 684                    | 163                    | 233        | 215                        | 19                         | 21.6                   |
| Women .....   | 1,540                                | 984                  | 63.9                  | 752          | 581                    | 171                    | 232        | 194                        | 38                         | 23.6                   |
| Less than 4 years of high school .....                                  | 878                                  | 459                  | 52.3                  | 280          | 174                    | 106                    | 179        | 149                        | 30                         | 39.0                   |
| 4 years of high school .....  | 1,429                                | 1,089                | 76.2                  | 853          | 691                    | 162                    | 236        | 213                        | 22                         | 21.6                   |
| 1 to 3 years of college .....   | 459                                  | 409                  | 89.0                  | 364          | 309                    | 56                     | 44         | 40                         | 4                          | 10.9                   |
| 4 years of college or more .....  | 115                                  | 108                  | 94.1                  | 101          | 91                     | 11                     | 7          | 6                          | 1                          | 6.5                    |
| <b>Hispanic origin</b>  |                                      |                      |                       |              |                        |                        |            |                            |                            |                        |
| Total, 16 to 24 years .....   | 2,328                                | 1,738                | 74.7                  | 1,511        | 1,305                  | 205                    | 227        | 199                        | 28                         | 13.1                   |
| 16 to 19 years .....  | 645                                  | 424                  | 65.7                  | 343          | 259                    | 84                     | 81         | 68                         | 13                         | 19.1                   |
| 20 to 24 years .....  | 1,683                                | 1,314                | 78.1                  | 1,168        | 1,046                  | 122                    | 146        | 131                        | 15                         | 11.1                   |
| Men .....   | 1,205                                | 1,083                | 89.9                  | 955          | 860                    | 95                     | 128        | 117                        | 11                         | 11.8                   |
| Women .....   | 1,123                                | 654                  | 58.3                  | 555          | 445                    | 110                    | 99         | 82                         | 18                         | 15.1                   |
| Less than 4 years of high school .....                                  | 1,170                                | 780                  | 66.7                  | 657          | 558                    | 98                     | 124        | 107                        | 17                         | 15.8                   |
| 4 years of high school .....  | 883                                  | 714                  | 80.9                  | 632          | 550                    | 82                     | 82         | 72                         | 10                         | 11.5                   |
| 1 to 3 years of college .....   | 222                                  | 196                  | 88.1                  | 179          | 157                    | 22                     | 17         | 15                         | 1                          | 8.5                    |
| 4 years of college or more .....  | 52                                   | 47                   | 91.3                  | 43           | 40                     | 3                      | 5          | 5                          | -                          | 10.1                   |

<sup>1</sup> Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.  
NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

college students into that group. 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.



**7. Employed and unemployed full- and part-time workers by sex, age, and race**

(In thousands)

| Sex, age, and race                    | 1989      |                                  |  |           |                        |  |                            |                            |
|---------------------------------------|-----------|----------------------------------|--|-----------|------------------------|--|----------------------------|----------------------------|
|                                       | Employed  |                                  |  |           |                        |  | Unemployed                 |                            |
|                                       | Full time |                                  |  | Part time |                        |  | Looking for full-time work | Looking for part-time work |
|                                       | Total     | Full-time schedules <sup>1</sup> | Part time for economic reasons, usually work full time | Total     | Voluntary <sup>1</sup> | Part time for economic reasons, usually work part time |                            |                            |
| <b>TOTAL</b>                          |           |                                  |  |           |                        |  |                            |                            |
| Total, 16 years and over .....        | 97,369    | 95,639                           | 1,730  | 19,973    | 16,809                 | 3,164  | 5,211                      | 1,317                      |
| 16 to 19 years .....                  | 2,574     | 2,453                            | 121  | 4,185     | 3,700                  | 486  | 596                        | 598                        |
| 16 to 17 years .....                  | 427       | 404                              | 23   | 2,161     | 1,999                  | 162  | 158                        | 380                        |
| 18 to 19 years .....                  | 2,147     | 2,049                            | 99   | 2,024     | 1,701                  | 324  | 439                        | 218                        |
| 20 years and over .....               | 94,794    | 93,186                           | 1,608  | 15,788    | 13,110                 | 2,678  | 4,614                      | 719                        |
| 20 to 24 years .....                  | 10,168    | 9,907                            | 261  | 2,794     | 2,254                  | 541  | 1,013                      | 205                        |
| 25 years and over .....               | 84,627    | 83,280                           | 1,347  | 12,994    | 10,856                 | 2,137  | 3,601                      | 514                        |
| 25 to 54 years .....                  | 73,512    | 72,354                           | 1,158  | 9,255     | 7,487                  | 1,768  | 3,252                      | 394                        |
| 55 years and over .....               | 11,115    | 10,926                           | 190  | 3,739     | 3,369                  | 370  | 349                        | 120                        |
| <b>Men, 16 years and over</b> .....   | 57,885    | 56,894                           | 991  | 6,430     | 5,133                  | 1,296  | 2,995                      | 530                        |
| 16 to 19 years .....                  | 1,499     | 1,426                            | 73   | 1,979     | 1,736                  | 242  | 344                        | 315                        |
| 20 years and over .....               | 56,386    | 55,468                           | 918  | 4,451     | 3,397                  | 1,054  | 2,651                      | 215                        |
| 20 to 24 years .....                  | 5,631     | 5,474                            | 158  | 1,167     | 914                    | 253  | 574                        | 86                         |
| 25 years and over .....               | 50,755    | 49,995                           | 760  | 3,284     | 2,483                  | 801  | 2,078                      | 129                        |
| 25 to 54 years .....                  | 43,765    | 43,114                           | 652  | 1,757     | 1,095                  | 663  | 1,850                      | 73                         |
| 55 years and over .....               | 6,990     | 6,881                            | 109  | 1,526     | 1,388                  | 138  | 227                        | 56                         |
| <b>Women, 16 years and over</b> ..... | 39,484    | 38,745                           | 739  | 13,544    | 11,676                 | 1,868  | 2,216                      | 787                        |
| 16 to 19 years .....                  | 1,075     | 1,027                            | 49   | 2,207     | 1,963                  | 243  | 253                        | 283                        |
| 20 years and over .....               | 38,408    | 37,718                           | 690  | 11,337    | 9,713                  | 1,624  | 1,963                      | 504                        |
| 20 to 24 years .....                  | 4,536     | 4,433                            | 103  | 1,627     | 1,339                  | 286  | 439                        | 119                        |
| 25 years and over .....               | 33,872    | 33,285                           | 587  | 9,710     | 8,373                  | 1,337  | 1,523                      | 385                        |
| 25 to 54 years .....                  | 29,746    | 29,240                           | 506  | 7,498     | 6,392                  | 1,105  | 1,402                      | 321                        |
| 55 years and over .....               | 4,126     | 4,045                            | 81   | 2,212     | 1,981                  | 231  | 122                        | 64                         |
| <b>White</b>                          |           |                                  |  |           |                        |  |                            |                            |
| <b>Men, 16 years and over</b> .....   | 50,827    | 49,983                           | 844  | 5,525     | 4,514                  | 1,011  | 2,232                      | 404                        |
| 16 to 19 years .....                  | 1,334     | 1,274                            | 60   | 1,726     | 1,533                  | 193  | 251                        | 235                        |
| 20 years and over .....               | 49,493    | 48,709                           | 783  | 3,799     | 2,981                  | 819  | 1,981                      | 168                        |
| 20 to 24 years .....                  | 4,868     | 4,735                            | 133  | 971       | 783                    | 188  | 407                        | 70                         |
| 25 years and over .....               | 44,624    | 43,974                           | 650  | 2,828     | 2,198                  | 630  | 1,574                      | 99                         |
| 25 to 54 years .....                  | 38,338    | 37,781                           | 556  | 1,427     | 916                    | 511  | 1,389                      | 55                         |
| 55 years and over .....               | 6,286     | 6,193                            | 93   | 1,401     | 1,282                  | 119  | 185                        | 44                         |
| <b>Women, 16 years and over</b> ..... | 33,194    | 32,588                           | 606  | 12,038    | 10,537                 | 1,502  | 1,524                      | 611                        |
| 16 to 19 years .....                  | 959       | 916                              | 43   | 1,927     | 1,720                  | 207  | 173                        | 204                        |
| 20 years and over .....               | 32,235    | 31,672                           | 563  | 10,112    | 8,817                  | 1,295  | 1,351                      | 407                        |
| 20 to 24 years .....                  | 3,854     | 3,770                            | 85   | 1,390     | 1,167                  | 223  | 289                        | 91                         |
| 25 years and over .....               | 28,380    | 27,902                           | 478  | 8,721     | 7,650                  | 1,071  | 1,063                      | 316                        |
| 25 to 54 years .....                  | 24,780    | 24,372                           | 408  | 6,763     | 5,874                  | 889  | 963                        | 264                        |
| 55 years and over .....               | 3,601     | 3,531                            | 70   | 1,958     | 1,776                  | 183  | 100                        | 51                         |
| <b>Black</b>                          |           |                                  |  |           |                        |  |                            |                            |
| <b>Men, 16 years and over</b> .....   | 5,266     | 5,139                            | 127  | 663       | 427                    | 236  | 665                        | 108                        |
| 16 to 19 years .....                  | 131       | 120                              | 11   | 196       | 155                    | 41   | 83                         | 70                         |
| 20 years and over .....               | 5,135     | 5,019                            | 116  | 467       | 272                    | 195  | 582                        | 38                         |
| 20 to 24 years .....                  | 605       | 583                              | 22   | 138       | 81                     | 57   | 150                        | 12                         |
| 25 years and over .....               | 4,530     | 4,436                            | 94   | 329       | 192                    | 138  | 432                        | 25                         |
| 25 to 54 years .....                  | 4,001     | 3,920                            | 81   | 230       | 109                    | 121  | 399                        | 15                         |
| 55 years and over .....               | 529       | 516                              | 13   | 99        | 82                     | 17   | 33                         | 10                         |
| <b>Women, 16 years and over</b> ..... | 4,904     | 4,792                            | 113  | 1,120     | 815                    | 306  | 616                        | 156                        |
| 16 to 19 years .....                  | 97        | 92                               | 4  | 202       | 171                    | 30   | 74                         | 73                         |
| 20 years and over .....               | 4,808     | 4,699                            | 108  | 919       | 644                    | 275  | 542                        | 83                         |
| 20 to 24 years .....                  | 546       | 530                              | 16   | 179       | 122                    | 57   | 136                        | 24                         |
| 25 years and over .....               | 4,262     | 4,169                            | 93   | 740       | 522                    | 218  | 406                        | 59                         |
| 25 to 54 years .....                  | 3,864     | 3,780                            | 83   | 531       | 355                    | 176  | 387                        | 48                         |
| 55 years and over .....               | 398       | 389                              | 9  | 209       | 167                    | 42   | 18                         | 11                         |

<sup>1</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**8. Employment status of persons in families by family relationship**

(Numbers in thousands)

| Family relationship                             | 1989                 |                       |          |            |                        |                    |               |                 |                |               |
|---|----------------------|-----------------------|----------|------------|------------------------|--------------------|---------------|-----------------|----------------|---------------|
|   | 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 <sup>1</sup> .....     | 99,649               | 66.9                  | 94,324   | 5,325      | 5.3                    | 49,215             | 21,931        | 6,689           | 2,458          | 18,137        |
| Husbands .....                                  | 40,139               | 78.3                  | 38,973   | 1,166      | 2.9                    | 11,098             | 196           | 188             | 963            | 9,750         |
| With employed wife .....                        | 26,303               | 92.1                  | 25,618   | 685        | 2.6                    | 2,261              | 71            | 106             | 336            | 1,749         |
| With unemployed wife .....                      | 970                  | 91.8                  | 877      | 93         | 9.6                    | 86                 | 1             | 6               | 21             | 59            |
| With wife not in labor force .....              | 12,866               | 59.5                  | 12,478   | 388        | 3.0                    | 8,750              | 124           | 76              | 607            | 7,943         |
| Wives .....                                     | 29,621               | 57.8                  | 28,565   | 1,056      | 3.6                    | 21,616             | 17,178        | 331             | 399            | 3,708         |
| With employed husband .....                     | 26,495               | 68.0                  | 25,618   | 877        | 3.3                    | 12,478             | 11,009        | 276             | 145            | 1,048         |
| With unemployed husband .....                   | 778                  | 66.7                  | 685      | 93         | 11.9                   | 388                | 334           | 13              | 7              | 34            |
| With husband not in labor force .....           | 2,348                | 21.2                  | 2,261    | 86         | 3.7                    | 8,750              | 5,835         | 42              | 247            | 2,627         |
| Relatives in married-couple families .....      | 13,165               | 64.9                  | 11,804   | 1,361      | 10.3                   | 7,110              | 691           | 4,321           | 342            | 1,756         |
| 16 to 19 years .....                            | 5,054                | 55.6                  | 4,416    | 637        | 12.6                   | 4,034              | 114           | 3,268           | 14             | 638           |
| 20 to 24 years .....                            | 4,656                | 77.5                  | 4,238    | 419        | 9.0                    | 1,354              | 122           | 940             | 32             | 260           |
| 25 years and over .....                         | 3,455                | 66.7                  | 3,150    | 305        | 8.8                    | 1,722              | 455           | 113             | 296            | 858           |
| Women who maintain families .....               | 6,897                | 62.7                  | 6,338    | 558        | 8.1                    | 4,100              | 2,739         | 200             | 239            | 923           |
| Relatives in families maintained by women ..... | 5,719                | 61.2                  | 4,831    | 888        | 15.5                   | 3,625              | 742           | 1,350           | 354            | 1,179         |
| 16 to 19 years .....                            | 1,549                | 51.3                  | 1,183    | 366        | 23.6                   | 1,470              | 107           | 1,066           | 12             | 285           |
| 20 to 24 years .....                            | 1,569                | 75.7                  | 1,327    | 242        | 15.4                   | 504                | 125           | 219             | 25             | 136           |
| 25 years and over .....                         | 2,601                | 61.2                  | 2,321    | 280        | 10.8                   | 1,651              | 510           | 65              | 317            | 758           |
| Men who maintain families .....                 | 2,236                | 77.7                  | 2,113    | 123        | 5.5                    | 642                | 41            | 31              | 91             | 480           |
| Relatives in families maintained by men .....   | 1,872                | 64.6                  | 1,699    | 173        | 9.2                    | 1,024              | 344           | 268             | 70             | 342           |
| 16 to 19 years .....                            | 328                  | 56.5                  | 278      | 50         | 15.3                   | 252                | 20            | 183             | 1              | 49            |
| 20 to 24 years .....                            | 507                  | 80.1                  | 461      | 47         | 9.2                    | 126                | 34            | 57              | 2              | 32            |
| 25 years and over .....                         | 1,036                | 61.6                  | 960      | 76         | 7.3                    | 646                | 290           | 28              | 67             | 261           |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

9. Unemployed persons by marital status, race, age, and sex

| Marital status, race, and age         | Men                  |       |                    |      | Women                |       |                    |      |
|---------------------------------------|----------------------|-------|--------------------|------|----------------------|-------|--------------------|------|
|                                       | Thousands of persons |       | Unemployment rates |      | Thousands of persons |       | Unemployment rates |      |
|                                       | 1988                 | 1989  | 1988               | 1989 | 1988                 | 1989  | 1988               | 1989 |
| Total, 16 years and over .....        | 3,655                | 3,525 | 5.5                | 5.2  | 3,046                | 3,003 | 5.6                | 5.4  |
| Married, spouse present .....         | 1,360                | 1,276 | 3.3                | 3.0  | 1,166                | 1,145 | 3.9                | 3.7  |
| Widowed, divorced, or separated ..... | 471                  | 448   | 7.0                | 6.3  | 665                  | 656   | 6.3                | 5.9  |
| Single (never married) .....          | 1,824                | 1,801 | 9.9                | 9.6  | 1,215                | 1,202 | 8.6                | 8.4  |
| White, 16 years and over .....        | 2,766                | 2,636 | 4.7                | 4.5  | 2,177                | 2,135 | 4.7                | 4.5  |
| Married, spouse present .....         | 1,125                | 1,044 | 3.0                | 2.8  | 959                  | 947   | 3.6                | 3.5  |
| Widowed, divorced, or separated ..... | 344                  | 329   | 6.1                | 5.6  | 464                  | 454   | 5.5                | 5.1  |
| Single (never married) .....          | 1,297                | 1,263 | 8.5                | 8.1  | 754                  | 734   | 6.6                | 6.4  |
| Black, 16 years and over .....        | 771                  | 773   | 11.7               | 11.5 | 776                  | 772   | 11.7               | 11.4 |
| Married, spouse present .....         | 185                  | 184   | 5.8                | 5.8  | 162                  | 153   | 6.7                | 6.3  |
| Widowed, divorced, or separated ..... | 112                  | 106   | 11.5               | 10.7 | 186                  | 187   | 9.9                | 9.6  |
| Single (never married) .....          | 474                  | 483   | 19.4               | 18.8 | 428                  | 432   | 18.3               | 17.7 |
| Total, 25 years and over .....        | 2,311                | 2,207 | 4.2                | 3.9  | 1,903                | 1,908 | 4.3                | 4.2  |
| Married, spouse present .....         | 1,254                | 1,175 | 3.1                | 2.9  | 967                  | 965   | 3.5                | 3.4  |
| Widowed, divorced, or separated ..... | 445                  | 422   | 6.8                | 6.2  | 601                  | 600   | 5.9                | 5.6  |
| Single (never married) .....          | 612                  | 609   | 7.2                | 6.7  | 334                  | 343   | 5.5                | 5.4  |
| White, 25 years and over .....        | 1,787                | 1,673 | 3.7                | 3.4  | 1,372                | 1,378 | 3.7                | 3.6  |
| Married, spouse present .....         | 1,036                | 961   | 2.9                | 2.7  | 795                  | 797   | 3.2                | 3.2  |
| Widowed, divorced, or separated ..... | 325                  | 309   | 6.0                | 5.4  | 413                  | 411   | 5.1                | 4.8  |
| Single (never married) .....          | 426                  | 403   | 6.1                | 5.5  | 165                  | 170   | 3.6                | 3.5  |
| Black, 25 years and over .....        | 440                  | 457   | 8.4                | 8.6  | 469                  | 465   | 8.8                | 8.5  |
| Married, spouse present .....         | 171                  | 171   | 5.6                | 5.7  | 133                  | 129   | 6.0                | 5.7  |
| Widowed, divorced, or separated ..... | 106                  | 102   | 11.2               | 10.5 | 174                  | 174   | 9.6                | 9.2  |
| Single (never married) .....          | 164                  | 185   | 13.5               | 13.9 | 162                  | 163   | 12.6               | 12.3 |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**10. Unemployed persons by occupation and sex**

| Occupation  | Thousands of persons |       | Unemployment rates |      |      |      |                  |                  |
|---|----------------------|-------|--------------------|------|------|------|------------------|------------------|
|   | Total                |       | Total              |      | Men  |      | Women            |                  |
|   | 1988                 | 1989  | 1988               | 1989 | 1988 | 1989 | 1988             | 1989             |
| Total, 16 years and over .....                                  | 6,701                | 6,528 | 5.5                | 5.3  | 5.5  | 5.2  | 5.6              | 5.4              |
| Managerial and professional specialty .....                     | 577                  | 614   | 1.9                | 2.0  | 1.8  | 1.7  | 2.1              | 2.3              |
| Executive, administrative, and managerial .....                 | 311                  | 348   | 2.1                | 2.3  | 2.0  | 2.0  | 2.3              | 2.8              |
| Professional specialty .....                                    | 266                  | 265   | 1.7                | 1.7  | 1.6  | 1.4  | 1.9              | 1.9              |
| Technical, sales, and administrative support .....              | 1,479                | 1,470 | 4.0                | 3.9  | 3.3  | 3.3  | 4.3              | 4.3              |
| Technicians and related support .....                           | 95                   | 90    | 2.6                | 2.4  | 2.4  | 2.4  | 2.8              | 2.4              |
| Sales occupations .....   | 652                  | 643   | 4.5                | 4.4  | 3.1  | 3.0  | 6.0              | 5.7              |
| Administrative support, including clerical .....                | 732                  | 738   | 3.9                | 3.9  | 4.3  | 4.2  | 3.8              | 3.8              |
| Service occupations .....                                       | 1,136                | 1,088 | 6.9                | 6.5  | 6.7  | 6.5  | 7.0              | 6.6              |
| Private household .....   | 54                   | 55    | 5.7                | 5.9  | 11.2 | 10.5 | 5.4              | 5.7              |
| Protective service .....  | 81                   | 74    | 4.0                | 3.6  | 3.5  | 3.1  | 7.0              | 6.1              |
| Service, except private household and protective .....          | 1,000                | 960   | 7.4                | 7.0  | 7.8  | 7.7  | 7.2              | 6.7              |
| Precision production, craft, and repair .....                   | 773                  | 762   | 5.4                | 5.2  | 5.3  | 5.2  | 5.7              | 5.7              |
| Mechanics and repairers .....                                   | 166                  | 161   | 3.6                | 3.4  | 3.5  | 3.3  | 5.5              | 5.6              |
| Construction trades .....                                       | 405                  | 428   | 7.4                | 7.7  | 7.3  | 7.6  | 8.5              | 11.4             |
| Other precision production, craft, and repair .....             | 202                  | 173   | 4.7                | 4.0  | 4.5  | 3.7  | 5.4              | 5.0              |
| Operators, fabricators, and laborers .....                      | 1,620                | 1,578 | 8.3                | 8.0  | 8.1  | 7.7  | 8.9              | 9.1              |
| Machine operators, assemblers, and inspectors .....             | 673                  | 678   | 7.7                | 7.6  | 6.7  | 6.3  | 9.0              | 9.4              |
| Transportation and material moving occupations .....            | 317                  | 306   | 6.2                | 5.9  | 6.2  | 5.9  | 5.2              | 5.7              |
| Handlers, equipment cleaners, helpers, and laborers .....       | 630                  | 594   | 11.5               | 10.8 | 11.7 | 11.1 | 10.3             | 9.8              |
| Construction laborers .....                                     | 192                  | 152   | 19.4               | 16.8 | 19.3 | 16.7 | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 439                  | 442   | 9.7                | 9.7  | 9.7  | 9.7  | 9.9              | 9.6              |
| Farming, forestry, and fishing .....                            | 260                  | 234   | 7.0                | 6.4  | 6.8  | 6.2  | 8.3              | 7.4              |
| No previous work experience .....                               | 818                  | 749   | -                  | -    | -    | -    | -                | -                |
| 16 to 19 years .....  | 552                  | 499   | -                  | -    | -    | -    | -                | -                |
| 20 to 24 years .....  | 152                  | 132   | -                  | -    | -    | -    | -                | -                |
| 25 years and over .....   | 114                  | 118   | -                  | -    | -    | -    | -                | -                |

<sup>1</sup> Percent not shown where base is less than 35,000.

11. Unemployed persons by industry and sex

| Industry   | Thousands of persons |       | Unemployment rates |      |      |      |       |      |
|--|----------------------|-------|--------------------|------|------|------|-------|------|
|  | Total                |       | Total              |      | Men  |      | Women |      |
|  | 1988                 | 1989  | 1988               | 1989 | 1988 | 1989 | 1988  | 1989 |
| Total, 16 years and over .....                             | 6,701                | 6,528 | 5.5                | 5.3  | 5.5  | 5.2  | 5.6   | 5.4  |
| Nonagricultural private wage and salary workers .....      | 5,028                | 4,947 | 5.5                | 5.3  | 5.6  | 5.3  | 5.5   | 5.4  |
| Mining .....   | 62                   | 42    | 7.9                | 5.8  | 8.5  | 6.2  | 4.6   | 3.9  |
| Construction .....   | 669                  | 634   | 10.6               | 10.0 | 11.1 | 10.3 | 6.4   | 6.9  |
| Manufacturing .....  | 1,161                | 1,140 | 5.3                | 5.1  | 4.7  | 4.4  | 6.4   | 6.6  |
| Durable goods .....  | 653                  | 634   | 5.0                | 4.8  | 4.7  | 4.3  | 5.8   | 6.2  |
| Lumber and wood products .....                             | 59                   | 47    | 7.9                | 6.1  | 8.2  | 6.5  | 6.3   | 3.8  |
| Furniture and fixtures .....                               | 37                   | 40    | 5.3                | 5.8  | 4.5  | 4.6  | 7.1   | 8.6  |
| Stone, clay, and glass products .....                      | 33                   | 35    | 5.4                | 5.3  | 5.1  | 4.6  | 6.3   | 7.9  |
| Primary metal industries .....                             | 38                   | 36    | 4.5                | 4.1  | 4.6  | 3.9  | 4.0   | 5.8  |
| Fabricated metal products .....                            | 76                   | 90    | 5.6                | 6.6  | 5.5  | 6.0  | 5.7   | 8.5  |
| Machinery, except electrical .....                         | 107                  | 95    | 4.1                | 3.6  | 3.7  | 3.0  | 5.3   | 5.3  |
| Electrical machinery, equipment, and supplies .....        | 104                  | 103   | 4.9                | 4.8  | 4.0  | 4.3  | 6.1   | 5.5  |
| Transportation equipment .....                             | 143                  | 129   | 5.3                | 4.8  | 4.9  | 4.3  | 6.8   | 6.7  |
| Automobiles .....  | 80                   | 79    | 6.3                | 6.2  | 5.6  | 5.4  | 9.1   | 9.1  |
| Other transportation equipment .....                       | 63                   | 50    | 4.4                | 3.6  | 4.2  | 3.3  | 5.2   | 4.6  |
| Professional and photographic equipment .....              | 23                   | 24    | 3.3                | 3.4  | 3.4  | 2.7  | 3.1   | 4.3  |
| Other durable goods industries .....                       | 31                   | 35    | 5.9                | 6.2  | 5.6  | 5.3  | 6.8   | 7.8  |
| Nondurable goods .....                                     | 508                  | 506   | 5.7                | 5.5  | 4.7  | 4.5  | 6.9   | 7.0  |
| Food and kindred products .....                            | 152                  | 143   | 8.3                | 7.4  | 7.2  | 6.3  | 10.7  | 9.5  |
| Textile mill products .....                                | 40                   | 35    | 5.3                | 4.9  | 4.8  | 3.4  | 5.9   | 6.5  |
| Apparel and other textile products .....                   | 104                  | 105   | 8.2                | 8.4  | 8.2  | 7.9  | 8.2   | 8.6  |
| Paper and allied products .....                            | 25                   | 27    | 3.2                | 3.5  | 2.6  | 2.5  | 5.2   | 6.7  |
| Printing and publishing .....                              | 78                   | 76    | 4.2                | 4.0  | 3.5  | 3.8  | 5.1   | 4.3  |
| Chemicals and allied products .....                        | 37                   | 43    | 2.9                | 3.1  | 2.5  | 2.5  | 3.6   | 4.4  |
| Rubber and miscellaneous plastics products .....           | 48                   | 50    | 5.6                | 6.2  | 4.9  | 5.4  | 6.8   | 7.4  |
| Other nondurable goods industries .....                    | 26                   | 27    | 6.5                | 6.7  | 5.9  | 5.3  | 7.7   | 9.3  |
| Transportation and public utilities .....                  | 246                  | 251   | 3.9                | 3.9  | 3.9  | 3.9  | 3.7   | 3.8  |
| Transportation .....                                       | 191                  | 192   | 5.2                | 5.0  | 5.2  | 5.0  | 5.1   | 5.1  |
| Communications and other public utilities .....            | 55                   | 59    | 2.1                | 2.2  | 1.8  | 2.1  | 2.5   | 2.5  |
| Wholesale and retail trade .....                           | 1,433                | 1,412 | 6.2                | 6.0  | 5.6  | 5.2  | 6.9   | 6.8  |
| Wholesale trade .....                                      | 187                  | 178   | 4.3                | 4.0  | 3.8  | 3.6  | 5.3   | 5.0  |
| Retail trade .....   | 1,246                | 1,234 | 6.7                | 6.5  | 6.2  | 5.8  | 7.1   | 7.1  |
| Finance, insurance, and real estate .....                  | 221                  | 230   | 3.0                | 3.1  | 2.8  | 2.9  | 3.2   | 3.2  |
| Service industries .....                                   | 1,236                | 1,237 | 4.9                | 4.8  | 5.0  | 4.9  | 4.9   | 4.7  |
| Professional services .....                                | 445                  | 439   | 3.2                | 3.0  | 2.9  | 2.6  | 3.3   | 3.2  |
| Other service industries .....                             | 791                  | 799   | 7.1                | 7.0  | 6.7  | 6.7  | 7.5   | 7.3  |
| Agricultural wage and salary workers .....                 | 192                  | 176   | 10.6               | 9.6  | 10.2 | 9.1  | 12.0  | 11.0 |
| Government, self-employed, and unpaid family workers ..... | 661                  | 655   | 2.4                | 2.3  | 2.3  | 2.4  | 2.4   | 2.2  |
| No previous work experience .....                          | 818                  | 749   | -                  | -    | -    | -    | -     | -    |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**12. 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 |       |
|--|------------------|-------|------------------------|-------|--------------------------|-------|----------------------------|-------|-------|-------|-------|-------|
|  | 1988             | 1989  | 1988                   | 1989  | 1988                     | 1989  | 1988                       | 1989  | 1988  | 1989  | 1988  | 1989  |
| <b>NUMBER OF UNEMPLOYED</b>                                |                  |       |                        |       |                          |       |                            |       |       |       |       |       |
| Total unemployed .....                                     | 6,701            | 6,528 | 2,987                  | 2,867 | 2,487                    | 2,467 | 1,226                      | 1,194 | 4,944 | 4,770 | 1,547 | 1,544 |
| Job losers .....   | 3,092            | 2,983 | 1,939                  | 1,843 | 946                      | 942   | 207                        | 198   | 2,338 | 2,240 | 674   | 660   |
| On layoff .....  | 851              | 850   | 544                    | 531   | 258                      | 272   | 49                         | 47    | 704   | 711   | 127   | 121   |
| Other job losers .....                                     | 2,241            | 2,133 | 1,395                  | 1,312 | 688                      | 670   | 158                        | 151   | 1,634 | 1,529 | 546   | 539   |
| Job leavers .....  | 983              | 1,024 | 416                    | 394   | 408                      | 430   | 159                        | 200   | 776   | 812   | 180   | 174   |
| Reentrants .....   | 1,809            | 1,843 | 534                    | 541   | 965                      | 958   | 310                        | 345   | 1,298 | 1,303 | 445   | 474   |
| New entrants .....   | 816              | 677   | 98                     | 88    | 168                      | 137   | 550                        | 452   | 532   | 416   | 249   | 235   |
| <b>PERCENT DISTRIBUTION</b>                                |                  |       |                        |       |                          |       |                            |       |       |       |       |       |
| Total unemployed .....                                     | 100.0            | 100.0 | 100.0                  | 100.0 | 100.0                    | 100.0 | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Job losers .....   | 46.1             | 45.7  | 64.9                   | 64.3  | 38.1                     | 38.2  | 16.9                       | 16.5  | 47.2  | 46.9  | 43.6  | 42.8  |
| On layoff .....  | 12.7             | 13.0  | 18.2                   | 19.5  | 10.4                     | 11.0  | 4.0                        | 3.9   | 14.2  | 14.9  | 8.2   | 7.9   |
| Other job losers .....                                     | 33.4             | 32.7  | 46.7                   | 45.8  | 27.7                     | 27.2  | 12.9                       | 12.6  | 33.0  | 32.1  | 35.3  | 34.9  |
| Job leavers .....  | 14.7             | 15.7  | 13.9                   | 13.8  | 16.4                     | 17.5  | 13.0                       | 16.7  | 15.7  | 17.0  | 11.6  | 11.3  |
| Reentrants .....   | 27.0             | 28.2  | 17.9                   | 18.9  | 38.8                     | 38.8  | 25.3                       | 28.9  | 26.2  | 27.3  | 28.7  | 30.7  |
| New entrants .....   | 12.2             | 10.4  | 3.3                    | 3.1   | 6.8                      | 5.5   | 44.9                       | 37.9  | 10.8  | 8.7   | 16.1  | 15.2  |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |                  |       |                        |       |                          |       |                            |       |       |       |       |       |
| Job losers .....   | 2.5              | 2.4   | 3.1                    | 2.9   | 1.9                      | 1.8   | 2.6                        | 2.5   | 2.3   | 2.1   | 5.1   | 4.9   |
| Job leavers .....  | .8               | .8    | .7                     | .6    | .8                       | .8    | 2.0                        | 2.5   | .7    | .8    | 1.4   | 1.3   |
| Reentrants .....   | 1.5              | 1.5   | .9                     | .8    | 1.9                      | 1.8   | 3.9                        | 4.3   | 1.2   | 1.2   | 3.4   | 3.5   |
| New entrants .....   | .7               | .5    | .2                     | .1    | .3                       | .3    | 6.8                        | 5.7   | .5    | .4    | 1.9   | 1.7   |

13. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

| Reason, sex, and age             | 1989                 |         |                          |               |                   |                |                   |
|----------------------------------|----------------------|---------|--------------------------|---------------|-------------------|----------------|-------------------|
|                                  | 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 .....   | 6,528                | 100.0   | 48.6                     | 30.3          | 21.1              | 11.2           | 9.9               |
| Job losers .....                 | 2,983                | 100.0   | 40.3                     | 32.5          | 27.2              | 14.4           | 12.8              |
| On layoff .....                  | 850                  | 100.0   | 54.6                     | 29.8          | 15.6              | 10.7           | 4.8               |
| Other job losers .....           | 2,133                | 100.0   | 34.7                     | 33.6          | 31.8              | 15.8           | 16.0              |
| Job leavers .....                | 1,024                | 100.0   | 54.8                     | 29.1          | 16.1              | 9.1            | 7.1               |
| Reentrants .....                 | 1,843                | 100.0   | 55.1                     | 28.4          | 16.5              | 8.6            | 7.9               |
| New entrants .....               | 677                  | 100.0   | 58.1                     | 27.6          | 14.3              | 7.4            | 6.9               |
| Men, 20 years and over .....     | 2,867                | 100.0   | 40.7                     | 31.1          | 28.2              | 13.7           | 14.5              |
| Job losers .....                 | 1,843                | 100.0   | 37.7                     | 31.9          | 30.4              | 14.8           | 15.5              |
| On layoff .....                  | 531                  | 100.0   | 52.4                     | 30.4          | 17.2              | 11.7           | 5.4               |
| Other job losers .....           | 1,312                | 100.0   | 31.7                     | 32.6          | 35.7              | 16.1           | 19.6              |
| Job leavers .....                | 394                  | 100.0   | 46.8                     | 30.4          | 22.8              | 11.2           | 11.6              |
| Reentrants .....                 | 541                  | 100.0   | 46.6                     | 29.3          | 24.1              | 11.7           | 12.4              |
| New entrants .....               | 88                   | 100.0   | 39.2                     | 28.5          | 32.3              | 13.5           | 18.8              |
| Women, 20 years and over .....   | 2,467                | 100.0   | 50.5                     | 31.0          | 18.4              | 10.7           | 7.7               |
| Job losers .....                 | 942                  | 100.0   | 41.0                     | 34.9          | 24.1              | 14.8           | 9.3               |
| On layoff .....                  | 272                  | 100.0   | 55.4                     | 30.2          | 14.4              | 10.1           | 4.3               |
| Other job losers .....           | 670                  | 100.0   | 35.2                     | 36.7          | 28.1              | 16.7           | 11.4              |
| Job leavers .....                | 430                  | 100.0   | 55.2                     | 30.1          | 14.7              | 9.4            | 5.2               |
| Reentrants .....                 | 958                  | 100.0   | 56.7                     | 28.5          | 14.8              | 7.6            | 7.2               |
| New entrants .....               | 137                  | 100.0   | 58.4                     | 24.6          | 16.9              | 8.4            | 8.5               |
| Both sexes, 16 to 19 years ..... | 1,194                | 100.0   | 63.7                     | 26.9          | 9.4               | 6.1            | 3.3               |
| Job losers .....                 | 198                  | 100.0   | 61.7                     | 26.7          | 11.6              | 7.9            | 3.7               |
| On layoff .....                  | 47                   | 100.0   | 74.3                     | 21.2          | 4.5               | 3.2            | 1.3               |
| Other job losers .....           | 151                  | 100.0   | 57.8                     | 28.4          | 13.8              | 9.3            | 4.5               |
| Job leavers .....                | 200                  | 100.0   | 69.6                     | 24.4          | 6.0               | 3.9            | 2.1               |
| Reentrants .....                 | 345                  | 100.0   | 64.1                     | 26.6          | 9.3               | 6.6            | 2.7               |
| New entrants .....               | 452                  | 100.0   | 61.7                     | 28.3          | 9.9               | 5.9            | 4.0               |

14. Unemployed persons by duration of unemployment

| Duration of unemployment                | Total                |       |                      |       | Full-time workers    |       |                      |       |
|---|----------------------|-------|----------------------|-------|----------------------|-------|----------------------|-------|
|   | Thousands of persons |       | Percent distribution |       | Thousands of persons |       | Percent distribution |       |
|   | 1988                 | 1989  | 1988                 | 1989  | 1988                 | 1989  | 1988                 | 1989  |
| Total, 16 years and over .....          | 6,701                | 6,528 | 100.0                | 100.0 | 5,357                | 5,211 | 100.0                | 100.0 |
| Less than 5 weeks .....                 | 3,084                | 3,174 | 46.0                 | 48.6  | 2,225                | 2,302 | 41.5                 | 44.2  |
| 5 to 14 weeks .....                     | 2,007                | 1,978 | 30.0                 | 30.3  | 1,662                | 1,660 | 31.0                 | 31.9  |
| 5 to 10 weeks .....                     | 1,485                | 1,449 | 22.2                 | 22.2  | 1,214                | 1,199 | 22.7                 | 23.0  |
| 11 to 14 weeks .....                    | 521                  | 529   | 7.8                  | 8.1   | 448                  | 461   | 8.4                  | 8.8   |
| 15 weeks and over .....                 | 1,610                | 1,375 | 24.0                 | 21.1  | 1,470                | 1,249 | 27.4                 | 24.0  |
| 15 to 26 weeks .....                    | 801                  | 730   | 12.0                 | 11.2  | 722                  | 655   | 13.5                 | 12.6  |
| 27 weeks and over .....                 | 809                  | 646   | 12.1                 | 9.9   | 749                  | 593   | 14.0                 | 11.4  |
| 27 to 51 weeks .....                    | 312                  | 271   | 4.7                  | 4.1   | 291                  | 248   | 5.4                  | 4.8   |
| 52 weeks and over .....                 | 496                  | 375   | 7.4                  | 5.7   | 458                  | 346   | 8.5                  | 6.6   |
| Average (mean) duration, in weeks ..... | 13.5                 | 11.9  | -                    | -     | 15.0                 | 13.1  | -                    | -     |
| Median duration, in weeks .....         | 5.9                  | 4.8   | -                    | -     | 7.0                  | 5.8   | -                    | -     |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**15. 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 |      |
|                                       |                      |                   |               |                |                   |                         |                 | 1988                           | 1989 | 1988                         | 1989 |
| Total, 16 years and over .....        | 6,528                | 3,174             | 1,978         | 730            | 646               | 11.9                    | 4.8             | 46.0                           | 48.6 | 24.0                         | 21.1 |
| 16 to 19 years .....                  | 1,194                | 761               | 321           | 73             | 39                | 6.7                     | 3.5             | 61.3                           | 63.7 | 10.2                         | 9.4  |
| 20 to 24 years .....                  | 1,218                | 662               | 358           | 123            | 75                | 9.2                     | 4.1             | 52.8                           | 54.3 | 18.7                         | 16.3 |
| 25 to 34 years .....                  | 1,851                | 851               | 587           | 220            | 193               | 12.2                    | 5.4             | 43.1                           | 46.0 | 25.6                         | 22.3 |
| 35 to 44 years .....                  | 1,159                | 478               | 372           | 149            | 161               | 14.9                    | 6.4             | 37.9                           | 41.2 | 30.5                         | 26.7 |
| 45 to 54 years .....                  | 637                  | 246               | 194           | 96             | 101               | 16.8                    | 7.6             | 34.9                           | 38.7 | 34.9                         | 30.9 |
| 55 to 64 years .....                  | 379                  | 137               | 119           | 58             | 65                | 17.7                    | 8.3             | 33.8                           | 36.1 | 39.2                         | 32.6 |
| 65 years and over .....               | 91                   | 39                | 28            | 11             | 12                | 14.1                    | 5.9             | 43.1                           | 43.6 | 27.1                         | 25.5 |
| Men, 16 years and over .....          | 3,525                | 1,574             | 1,075         | 434            | 441               | 13.7                    | 5.7             | 41.2                           | 44.7 | 28.0                         | 24.8 |
| 16 to 19 years .....                  | 658                  | 408               | 183           | 41             | 26                | 7.0                     | 3.6             | 58.5                           | 62.0 | 11.7                         | 10.1 |
| 20 to 24 years .....                  | 660                  | 332               | 202           | 74             | 51                | 10.3                    | 4.5             | 48.3                           | 50.4 | 21.4                         | 19.0 |
| 25 to 34 years .....                  | 953                  | 393               | 305           | 131            | 124               | 14.0                    | 6.5             | 38.1                           | 41.3 | 29.9                         | 26.7 |
| 35 to 44 years .....                  | 619                  | 225               | 198           | 84             | 113               | 17.7                    | 7.9             | 32.0                           | 36.2 | 35.2                         | 31.8 |
| 45 to 54 years .....                  | 351                  | 116               | 104           | 58             | 72                | 20.7                    | 9.1             | 28.8                           | 33.2 | 42.1                         | 37.1 |
| 55 to 64 years .....                  | 234                  | 77                | 69            | 40             | 48                | 20.2                    | 9.7             | 29.7                           | 33.0 | 43.0                         | 37.4 |
| 65 years and over .....               | 49                   | 22                | 14            | 6              | 7                 | 15.3                    | 5.6             | 40.4                           | 44.9 | 29.6                         | 26.4 |
| Women, 16 years and over .....        | 3,003                | 1,600             | 903           | 296            | 204               | 9.7                     | 4.2             | 51.8                           | 53.3 | 19.3                         | 16.7 |
| 16 to 19 years .....                  | 536                  | 353               | 138           | 32             | 13                | 6.3                     | 3.4             | 64.5                           | 65.8 | 8.4                          | 8.4  |
| 20 to 24 years .....                  | 558                  | 330               | 156           | 49             | 24                | 7.9                     | 3.8             | 58.0                           | 59.0 | 15.6                         | 13.0 |
| 25 to 34 years .....                  | 897                  | 458               | 282           | 90             | 68                | 10.2                    | 4.4             | 49.1                           | 51.0 | 20.4                         | 17.6 |
| 35 to 44 years .....                  | 540                  | 253               | 174           | 64             | 48                | 11.6                    | 5.2             | 44.4                           | 46.9 | 25.3                         | 20.8 |
| 45 to 54 years .....                  | 286                  | 130               | 90            | 37             | 29                | 12.0                    | 5.7             | 42.6                           | 45.4 | 25.7                         | 23.2 |
| 55 to 64 years .....                  | 144                  | 59                | 49            | 18             | 17                | 13.8                    | 6.3             | 41.2                           | 41.1 | 32.6                         | 24.7 |
| 65 years and over .....               | 41                   | 17                | 14            | 5              | 5                 | 12.7                    | 6.2             | ( <sup>1</sup> )               | 42.0 | ( <sup>1</sup> )             | 24.4 |
| White, 16 years and over .....        | 4,770                | 2,363             | 1,445         | 526            | 437               | 11.4                    | 4.6             | 47.2                           | 49.5 | 23.1                         | 20.2 |
| Men .....                             | 2,636                | 1,198             | 805           | 322            | 311               | 13.4                    | 5.5             | 42.1                           | 45.4 | 27.4                         | 24.0 |
| Women .....                           | 2,135                | 1,165             | 640           | 203            | 126               | 9.0                     | 4.1             | 53.6                           | 54.6 | 17.6                         | 15.4 |
| Black, 16 years and over .....        | 1,544                | 706               | 469           | 180            | 189               | 13.3                    | 5.5             | 42.4                           | 45.7 | 26.8                         | 23.9 |
| Men .....                             | 773                  | 321               | 238           | 97             | 117               | 15.0                    | 6.6             | 38.3                           | 41.5 | 29.9                         | 27.7 |
| Women .....                           | 772                  | 385               | 232           | 83             | 72                | 11.7                    | 4.5             | 46.5                           | 49.9 | 23.6                         | 20.1 |
| Men, 16 years and over:               |                      |                   |               |                |                   |                         |                 |                                |      |                              |      |
| Married, spouse present .....         | 1,276                | 485               | 403           | 192            | 195               | 16.3                    | 7.4             | 33.4                           | 38.0 | 35.0                         | 30.3 |
| Widowed, divorced, or separated ..... | 448                  | 172               | 135           | 61             | 79                | 17.6                    | 7.7             | 37.4                           | 38.4 | 33.0                         | 31.3 |
| Single (never married) .....          | 1,801                | 917               | 537           | 181            | 166               | 11.0                    | 4.4             | 48.0                           | 50.9 | 21.4                         | 19.3 |
| Women, 16 years and over:             |                      |                   |               |                |                   |                         |                 |                                |      |                              |      |
| Married, spouse present .....         | 1,145                | 599               | 355           | 116            | 75                | 9.5                     | 4.3             | 51.0                           | 52.3 | 19.8                         | 16.7 |
| Widowed, divorced, or separated ..... | 656                  | 299               | 216           | 76             | 65                | 12.0                    | 5.5             | 45.2                           | 45.6 | 24.4                         | 21.5 |
| Single (never married) .....          | 1,202                | 702               | 332           | 103            | 65                | 8.6                     | 3.9             | 56.2                           | 58.4 | 16.0                         | 14.0 |

<sup>1</sup> Data not shown where base is less than 35,000.



16. 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 |      |
|  |                      |                   |               |                |                   |                         |                 | 1988                           | 1989 | 1988                         | 1989 |
|  | 1989                 |                   |               |                |                   |                         |                 | 1988                           | 1989 | 1988                         | 1989 |
| <b>OCCUPATION</b>                                  |                      |                   |               |                |                   |                         |                 |                                |      |                              |      |
| Managerial and professional specialty .....        | 614                  | 251               | 206           | 84             | 73                | 13.5                    | 6.5             | 40.4                           | 40.9 | 28.4                         | 25.4 |
| Technical, sales, and administrative support ..... | 1,470                | 743               | 446           | 163            | 119               | 10.6                    | 4.5             | 46.7                           | 50.5 | 22.9                         | 19.1 |
| Service occupations .....                          | 1,088                | 576               | 303           | 112            | 97                | 11.0                    | 4.2             | 51.0                           | 52.9 | 20.5                         | 19.2 |
| Precision production, craft, and repair .....      | 762                  | 332               | 237           | 96             | 98                | 14.1                    | 5.9             | 40.7                           | 43.6 | 27.8                         | 25.3 |
| Operators, fabricators, and laborers .....         | 1,578                | 699               | 502           | 193            | 183               | 13.2                    | 5.8             | 41.4                           | 44.3 | 28.5                         | 23.8 |
| Farming, forestry, and fishing .....               | 234                  | 119               | 67            | 26             | 22                | 11.5                    | 4.4             | 45.5                           | 50.9 | 24.1                         | 20.5 |
| <b>INDUSTRY<sup>1</sup></b>                        |                      |                   |               |                |                   |                         |                 |                                |      |                              |      |
| Agriculture .....                                  | 176                  | 94                | 51            | 19             | 13                | 10.4                    | 4.2             | 47.0                           | 53.4 | 20.2                         | 18.2 |
| Construction .....                                 | 651                  | 282               | 216           | 87             | 66                | 12.5                    | 6.0             | 43.7                           | 43.3 | 24.4                         | 23.5 |
| Manufacturing .....                                | 1,143                | 489               | 355           | 153            | 146               | 14.0                    | 6.1             | 39.2                           | 42.8 | 31.0                         | 26.2 |
| Durable goods .....                                | 637                  | 260               | 201           | 92             | 85                | 14.6                    | 6.6             | 35.7                           | 40.8 | 34.8                         | 27.8 |
| Nondurable goods .....                             | 507                  | 230               | 154           | 61             | 62                | 13.3                    | 5.6             | 43.7                           | 45.4 | 26.2                         | 24.3 |
| Transportation and public utilities .....          | 287                  | 122               | 92            | 35             | 39                | 13.9                    | 6.4             | 39.0                           | 42.5 | 30.2                         | 25.8 |
| Wholesale and retail trade .....                   | 1,419                | 730               | 420           | 147            | 120               | 10.8                    | 4.4             | 49.2                           | 51.4 | 20.5                         | 18.9 |
| Finance and service industries .....               | 1,713                | 847               | 517           | 190            | 160               | 11.5                    | 4.7             | 46.3                           | 49.4 | 23.8                         | 20.4 |
| Public administration .....                        | 152                  | 63                | 47            | 21             | 22                | 14.8                    | 6.4             | 40.8                           | 41.4 | 30.4                         | 27.6 |
| No previous work experience .....                  | 749                  | 438               | 206           | 53             | 52                | 9.5                     | 3.8             | 56.2                           | 58.5 | 15.7                         | 14.0 |

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

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**17. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

| Sex, age, and race             | 1989                 |                   |   |                           |                   |                        |                      |                  | Average number of methods used |
|--------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|------------------|--------------------------------|
|                                | Thousands of persons |                   | Methods used as a percent of total jobseekers |                           |                   |                        |                      |                  |                                |
|                                | 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 ..... | 6,528                | 5,555             | 22.2  | 8.0                       | 72.8              | 38.1                   | 19.5                 | 4.6              | 1.65                           |
| 16 to 19 years .....           | 1,194                | 1,126             | 12.5  | 3.9                       | 79.1              | 27.1                   | 16.2                 | 3.4              | 1.42                           |
| 20 to 24 years .....           | 1,218                | 1,073             | 22.4  | 7.5                       | 73.2              | 37.9                   | 18.3                 | 4.1              | 1.63                           |
| 25 to 34 years .....           | 1,851                | 1,538             | 26.1  | 8.6                       | 71.4              | 42.0                   | 20.4                 | 4.1              | 1.73                           |
| 35 to 44 years .....           | 1,159                | 950               | 26.1  | 10.0                      | 71.4              | 43.4                   | 21.7                 | 5.9              | 1.78                           |
| 45 to 54 years .....           | 637                  | 501               | 26.1  | 11.8                      | 69.9              | 41.4                   | 20.6                 | 6.9              | 1.77                           |
| 55 to 64 years .....           | 379                  | 294               | 21.7  | 9.2                       | 66.8              | 39.4                   | 21.5                 | 6.8              | 1.65                           |
| 65 years and over .....        | 91                   | 74                | 13.5  | 7.7                       | 62.4              | 33.5                   | 23.8                 | 4.4              | 1.45                           |
| Men, 16 years and over .....   | 3,525                | 2,899             | 23.8  | 8.1                       | 74.0              | 36.3                   | 22.4                 | 5.2              | 1.70                           |
| 16 to 19 years .....           | 658                  | 615               | 13.2  | 3.9                       | 79.2              | 25.9                   | 18.3                 | 3.3              | 1.44                           |
| 20 to 24 years .....           | 660                  | 564               | 23.9  | 7.1                       | 73.8              | 35.7                   | 21.9                 | 4.5              | 1.67                           |
| 25 to 34 years .....           | 953                  | 748               | 29.2  | 9.0                       | 72.8              | 40.4                   | 23.7                 | 4.5              | 1.80                           |
| 35 to 44 years .....           | 619                  | 486               | 28.5  | 11.0                      | 73.4              | 42.1                   | 26.5                 | 6.3              | 1.88                           |
| 45 to 54 years .....           | 351                  | 266               | 27.3  | 12.2                      | 72.0              | 38.3                   | 22.5                 | 8.7              | 1.81                           |
| 55 to 64 years .....           | 234                  | 180               | 21.2  | 8.5                       | 67.3              | 38.5                   | 21.0                 | 9.1              | 1.66                           |
| 65 years and over .....        | 49                   | 41                | 13.2  | 5.7                       | 67.4              | 32.0                   | 24.6                 | 5.3              | 1.48                           |
| Women, 16 years and over ..... | 3,003                | 2,656             | 20.6  | 7.8                       | 71.5              | 40.2                   | 16.3                 | 4.0              | 1.60                           |
| 16 to 19 years .....           | 536                  | 511               | 11.7  | 3.9                       | 79.0              | 28.6                   | 13.7                 | 3.5              | 1.40                           |
| 20 to 24 years .....           | 558                  | 509               | 20.7  | 7.9                       | 72.5              | 40.2                   | 14.3                 | 3.7              | 1.59                           |
| 25 to 34 years .....           | 897                  | 790               | 23.2  | 8.2                       | 70.1              | 43.6                   | 17.4                 | 3.7              | 1.66                           |
| 35 to 44 years .....           | 540                  | 464               | 23.7  | 8.9                       | 69.3              | 44.8                   | 16.7                 | 5.4              | 1.69                           |
| 45 to 54 years .....           | 286                  | 235               | 24.8  | 11.4                      | 67.6              | 44.8                   | 18.4                 | 4.7              | 1.72                           |
| 55 to 64 years .....           | 144                  | 113               | 22.5  | 10.3                      | 66.0              | 40.8                   | 22.3                 | 3.0              | 1.65                           |
| 65 years and over .....        | 41                   | 33                | ( <sup>1</sup> )                              | ( <sup>1</sup> )          | ( <sup>1</sup> )  | ( <sup>1</sup> )       | ( <sup>1</sup> )     | ( <sup>1</sup> ) | ( <sup>1</sup> )               |
| White, 16 years and over ..... | 4,770                | 3,957             | 21.5  | 8.1                       | 73.2              | 39.7                   | 19.2                 | 5.0              | 1.67                           |
| Men .....                      | 2,636                | 2,103             | 23.5  | 8.5                       | 74.6              | 37.6                   | 22.0                 | 5.7              | 1.72                           |
| Women .....                    | 2,135                | 1,854             | 19.1  | 7.7                       | 71.5              | 42.2                   | 16.0                 | 4.2              | 1.61                           |
| Black, 16 years and over ..... | 1,544                | 1,407             | 24.5  | 7.6                       | 73.2              | 33.1                   | 20.1                 | 3.6              | 1.62                           |
| Men .....                      | 773                  | 693               | 24.8  | 7.2                       | 74.0              | 31.6                   | 23.1                 | 3.6              | 1.64                           |
| Women .....                    | 772                  | 714               | 24.2  | 8.0                       | 72.4              | 34.4                   | 17.2                 | 3.6              | 1.60                           |

<sup>1</sup> Data not shown where base is less than 35,000.

NOTE: The jobseekers 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.

18. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

| Sex and reason                 | 1989                 |                   |   |                           |                   |                        |                      |       |                                |
|--------------------------------|----------------------|-------------------|---|---------------------------|-------------------|------------------------|----------------------|-------|--------------------------------|
|                                | Thousands of persons |                   | Methods used as a percent of total jobseekers |                           |                   |                        |                      |       | Average number of methods used |
|                                | Total unemployed     | Total job-seekers | Public employment agency                      | Private employment agency | Employer directly | Placed or answered ads | Friends or relatives | Other |                                |
| Total, 16 years and over ..... | 6,528                | 5,555             | 22.2  | 8.0                       | 72.8              | 38.1                   | 19.5                 | 4.6   | 1.65                           |
| Job losers <sup>1</sup> .....  | 2,983                | 2,105             | 28.8  | 9.2                       | 74.6              | 40.7                   | 22.8                 | 4.4   | 1.80                           |
| Job leavers .....              | 1,024                | 987               | 21.3  | 8.9                       | 72.0              | 44.6                   | 17.1                 | 3.6   | 1.68                           |
| Reentrants .....               | 1,843                | 1,797             | 18.2  | 7.4                       | 70.0              | 36.0                   | 17.3                 | 5.9   | 1.55                           |
| New entrants .....             | 677                  | 666               | 13.9  | 4.4                       | 76.0              | 25.9                   | 18.6                 | 3.7   | 1.42                           |
| Men, 16 years and over .....   | 3,525                | 2,899             | 23.8  | 8.1                       | 74.0              | 36.3                   | 22.4                 | 5.2   | 1.70                           |
| Job losers <sup>1</sup> .....  | 1,975                | 1,394             | 28.8  | 9.0                       | 75.6              | 38.4                   | 24.5                 | 5.0   | 1.81                           |
| Job leavers .....              | 495                  | 477               | 22.6  | 8.6                       | 72.2              | 43.4                   | 21.2                 | 3.6   | 1.72                           |
| Reentrants .....               | 726                  | 705               | 19.0  | 7.9                       | 70.5              | 32.4                   | 20.3                 | 7.7   | 1.58                           |
| New entrants .....             | 328                  | 324               | 14.2  | 4.1                       | 76.8              | 25.1                   | 19.7                 | 3.3   | 1.43                           |
| Women, 16 years and over ..... | 3,003                | 2,656             | 20.6  | 7.8                       | 71.5              | 40.2                   | 16.3                 | 4.0   | 1.60                           |
| Job losers <sup>1</sup> .....  | 1,008                | 711               | 28.7  | 9.5                       | 72.5              | 45.4                   | 19.5                 | 3.1   | 1.79                           |
| Job leavers .....              | 529                  | 511               | 20.1  | 9.2                       | 71.8              | 45.8                   | 13.2                 | 3.5   | 1.64                           |
| Reentrants .....               | 1,117                | 1,092             | 17.7  | 7.1                       | 69.7              | 38.3                   | 15.3                 | 4.8   | 1.53                           |
| New entrants .....             | 349                  | 342               | 13.6  | 4.6                       | 75.2              | 26.8                   | 17.5                 | 4.1   | 1.42                           |

<sup>1</sup> 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  
ANNUAL AVERAGES**

**19. Employed civilians in agriculture and nonagricultural industries by age and sex**

(In thousands)

| Industry and age                 | Total   |         | Men    |        | Women  |        |
|----------------------------------|---------|---------|--------|--------|--------|--------|
|                                  | 1988    | 1989    | 1988   | 1989   | 1988   | 1989   |
| All industries .....             | 114,968 | 117,342 | 63,273 | 64,315 | 51,696 | 53,027 |
| 16 to 19 years .....             | 6,805   | 6,759   | 3,492  | 3,477  | 3,313  | 3,282  |
| 16 to 17 years .....             | 2,713   | 2,588   | 1,403  | 1,327  | 1,310  | 1,261  |
| 18 to 19 years .....             | 4,092   | 4,172   | 2,089  | 2,150  | 2,003  | 2,021  |
| 20 to 24 years .....             | 13,244  | 12,962  | 6,918  | 6,799  | 6,326  | 6,163  |
| 25 to 54 years .....             | 80,290  | 82,767  | 44,360 | 45,523 | 35,929 | 37,244 |
| 25 to 34 years .....             | 33,574  | 34,045  | 18,702 | 18,952 | 14,872 | 15,093 |
| 35 to 44 years .....             | 28,269  | 29,443  | 15,457 | 16,002 | 12,811 | 13,440 |
| 45 to 54 years .....             | 18,447  | 19,279  | 10,201 | 10,569 | 8,246  | 8,711  |
| 55 to 64 years .....             | 11,433  | 11,499  | 6,591  | 6,548  | 4,841  | 4,950  |
| 55 to 59 years .....             | 6,891   | 6,854   | 3,954  | 3,890  | 2,938  | 2,964  |
| 60 to 64 years .....             | 4,541   | 4,644   | 2,638  | 2,658  | 1,904  | 1,986  |
| 65 years and over .....          | 3,197   | 3,355   | 1,911  | 1,968  | 1,286  | 1,388  |
| Agriculture .....                | 3,169   | 3,199   | 2,493  | 2,513  | 676    | 687    |
| 16 to 19 years .....             | 273     | 250     | 222    | 206    | 51     | 44     |
| 16 to 17 years .....             | 129     | 121     | 102    | 105    | 26     | 16     |
| 18 to 19 years .....             | 144     | 129     | 119    | 101    | 25     | 28     |
| 20 to 24 years .....             | 356     | 360     | 292    | 293    | 63     | 67     |
| 25 to 54 years .....             | 1,813   | 1,877   | 1,387  | 1,431  | 426    | 447    |
| 25 to 34 years .....             | 786     | 800     | 624    | 630    | 162    | 170    |
| 35 to 44 years .....             | 574     | 640     | 429    | 478    | 145    | 161    |
| 45 to 54 years .....             | 453     | 438     | 334    | 323    | 119    | 115    |
| 55 to 64 years .....             | 433     | 425     | 340    | 338    | 93     | 87     |
| 55 to 59 years .....             | 237     | 216     | 184    | 168    | 54     | 47     |
| 60 to 64 years .....             | 196     | 209     | 156    | 170    | 40     | 39     |
| 65 years and over .....          | 294     | 287     | 251    | 245    | 42     | 42     |
| Nonagricultural industries ..... | 111,800 | 114,142 | 60,780 | 61,802 | 51,020 | 52,341 |
| 16 to 19 years .....             | 6,532   | 6,510   | 3,270  | 3,272  | 3,262  | 3,238  |
| 16 to 17 years .....             | 2,584   | 2,467   | 1,300  | 1,222  | 1,284  | 1,244  |
| 18 to 19 years .....             | 3,948   | 4,043   | 1,970  | 2,049  | 1,978  | 1,993  |
| 20 to 24 years .....             | 12,888  | 12,601  | 6,626  | 6,506  | 6,262  | 6,096  |
| 25 to 54 years .....             | 78,477  | 80,889  | 42,973 | 44,092 | 35,504 | 36,797 |
| 25 to 34 years .....             | 32,788  | 33,245  | 18,078 | 18,322 | 14,710 | 14,923 |
| 35 to 44 years .....             | 27,695  | 28,803  | 15,029 | 15,524 | 12,666 | 13,279 |
| 45 to 54 years .....             | 17,994  | 18,841  | 9,867  | 10,246 | 8,128  | 8,595  |
| 55 to 64 years .....             | 10,999  | 11,074  | 6,251  | 6,210  | 4,748  | 4,864  |
| 55 to 59 years .....             | 6,654   | 6,639   | 3,770  | 3,722  | 2,884  | 2,917  |
| 60 to 64 years .....             | 4,345   | 4,435   | 2,481  | 2,488  | 1,864  | 1,947  |
| 65 years and over .....          | 2,903   | 3,069   | 1,660  | 1,723  | 1,244  | 1,346  |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**20. 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 |        |
|   | 1988              | 1989    | 1988              | 1989   | 1988              | 1989   | 1988              | 1989   | 1988              | 1989   |
| <b>Total</b> .....  | 114,968           | 117,342 | 63,273            | 64,315 | 59,781            | 60,837 | 51,696            | 53,027 | 48,383            | 49,745 |
| Managerial and professional specialty .....                     | 29,190            | 30,398  | 16,139            | 16,652 | 16,038            | 16,554 | 13,050            | 13,746 | 12,931            | 13,618 |
| Executive, administrative, and managerial .....                 | 14,216            | 14,848  | 8,626             | 8,944  | 8,578             | 8,902  | 5,590             | 5,904  | 5,541             | 5,857  |
| Officials and administrators, public administration .....       | 563               | 607     | 330               | 362    | 329               | 361    | 232               | 245    | 231               | 245    |
| Other executive, administrative, and managerial .....           | 9,882             | 10,333  | 6,432             | 6,645  | 6,392             | 6,610  | 3,449             | 3,688  | 3,411             | 3,651  |
| Management-related occupations .....                            | 3,772             | 3,908   | 1,863             | 1,937  | 1,857             | 1,931  | 1,909             | 1,971  | 1,899             | 1,960  |
| Professional specialty .....                                    | 14,974            | 15,550  | 7,513             | 7,708  | 7,459             | 7,652  | 7,460             | 7,842  | 7,389             | 7,761  |
| Engineers .....   | 1,805             | 1,823   | 1,673             | 1,686  | 1,671             | 1,685  | 132               | 138    | 131               | 137    |
| Mathematical and computer scientists .....                      | 732               | 853     | 488               | 548    | 487               | 547    | 244               | 304    | 243               | 304    |
| Natural scientists .....  | 395               | 413     | 300               | 302    | 300               | 301    | 95                | 111    | 95                | 111    |
| Health diagnosing occupations .....                             | 818               | 854     | 669               | 713    | 669               | 712    | 149               | 141    | 148               | 141    |
| Health assessment and treating occupations .....                | 2,154             | 2,242   | 325               | 340    | 323               | 338    | 1,829             | 1,902  | 1,827             | 1,898  |
| Teachers, college and university .....                          | 700               | 709     | 431               | 435    | 428               | 433    | 270               | 275    | 268               | 271    |
| Teachers, except college and university .....                   | 3,773             | 3,936   | 1,021             | 1,052  | 1,011             | 1,039  | 2,751             | 2,884  | 2,721             | 2,853  |
| Lawyers and judges .....  | 757               | 774     | 610               | 601    | 609               | 601    | 147               | 173    | 147               | 173    |
| Other professional specialty occupations .....                  | 3,840             | 3,945   | 1,996             | 2,031  | 1,962             | 1,995  | 1,843             | 1,914  | 1,810             | 1,875  |
| Technical, sales, and administrative support .....              | 35,532            | 36,127  | 12,494            | 12,687 | 11,833            | 11,999 | 23,038            | 23,440 | 21,248            | 21,660 |
| Technicians and related support .....                           | 3,521             | 3,645   | 1,833             | 1,887  | 1,799             | 1,861  | 1,688             | 1,759  | 1,667             | 1,736  |
| Health technologists and technicians .....                      | 1,226             | 1,276   | 213               | 225    | 210               | 223    | 1,013             | 1,051  | 1,004             | 1,043  |
| Engineering and science technicians .....                       | 1,146             | 1,153   | 903               | 910    | 883               | 894    | 243               | 244    | 235               | 235    |
| Technicians, except health, engineering, and science .....      | 1,149             | 1,216   | 716               | 752    | 706               | 743    | 433               | 464    | 427               | 458    |
| Sales occupations .....   | 13,747            | 14,065  | 7,025             | 7,124  | 6,615             | 6,687  | 6,722             | 6,941  | 5,667             | 5,860  |
| Supervisors and proprietors .....                               | 3,658             | 3,828   | 2,434             | 2,496  | 2,406             | 2,470  | 1,224             | 1,332  | 1,194             | 1,301  |
| Sales representatives, finance and business services .....      | 2,410             | 2,371   | 1,418             | 1,339  | 1,400             | 1,324  | 992               | 1,032  | 957               | 997    |
| Sales representatives, commodities, except retail .....         | 1,551             | 1,612   | 1,253             | 1,282  | 1,246             | 1,271  | 298               | 329    | 290               | 323    |
| Sales workers, retail and personal services .....               | 6,068             | 6,186   | 1,903             | 1,990  | 1,546             | 1,607  | 4,165             | 4,196  | 3,188             | 3,191  |
| Sales-related occupations .....                                 | 59                | 68      | 17                | 17     | 16                | 16     | 42                | 51     | 39                | 47     |
| Administrative support, including clerical .....                | 18,264            | 18,416  | 3,636             | 3,676  | 3,419             | 3,451  | 14,628            | 14,741 | 13,914            | 14,065 |
| Supervisors .....   | 764               | 736     | 321               | 308    | 319               | 306    | 443               | 428    | 441               | 426    |
| Computer equipment operators .....                              | 869               | 876     | 295               | 313    | 282               | 301    | 574               | 563    | 544               | 537    |
| Secretaries, stenographers, and typists .....                   | 4,876             | 4,788   | 90                | 79     | 84                | 72     | 4,786             | 4,708  | 4,588             | 4,535  |
| Financial records processing .....                              | 2,414             | 2,394   | 216               | 214    | 206               | 206    | 2,197             | 2,180  | 2,152             | 2,135  |
| Mail and message distributing .....                             | 936               | 952     | 596               | 605    | 573               | 581    | 340               | 348    | 322               | 329    |
| Other administrative support, including clerical .....          | 8,405             | 8,670   | 2,118             | 2,157  | 1,955             | 1,983  | 6,287             | 6,513  | 5,866             | 6,102  |
| Service occupations .....                                       | 15,332            | 15,556  | 6,056             | 6,164  | 5,132             | 5,198  | 9,275             | 9,391  | 8,176             | 8,307  |
| Private household .....   | 909               | 872     | 34                | 36     | 25                | 27     | 875               | 836    | 724               | 703    |
| Protective service .....  | 1,944             | 1,960   | 1,664             | 1,654  | 1,615             | 1,606  | 279               | 305    | 250               | 278    |
| Service, except private household and protective .....          | 12,479            | 12,724  | 4,358             | 4,474  | 3,492             | 3,564  | 8,121             | 8,250  | 7,202             | 7,326  |
| Food service .....  | 5,182             | 5,351   | 1,989             | 2,127  | 1,343             | 1,442  | 3,193             | 3,224  | 2,546             | 2,587  |
| Health service .....  | 1,977             | 2,042   | 212               | 204    | 198               | 188    | 1,765             | 1,838  | 1,688             | 1,742  |
| Cleaning and building service .....                             | 2,994             | 2,997   | 1,718             | 1,718  | 1,564             | 1,570  | 1,276             | 1,279  | 1,205             | 1,216  |
| Personal service .....  | 2,327             | 2,333   | 440               | 425    | 387               | 364    | 1,887             | 1,908  | 1,763             | 1,781  |
| Precision production, craft, and repair .....                   | 13,664            | 13,818  | 12,474            | 12,627 | 12,159            | 12,295 | 1,190             | 1,190  | 1,155             | 1,160  |
| Mechanics and repairers .....                                   | 4,454             | 4,550   | 4,307             | 4,397  | 4,207             | 4,288  | 147               | 153    | 144               | 151    |
| Construction trades .....                                       | 5,098             | 5,142   | 4,991             | 5,034  | 4,834             | 4,860  | 107               | 108    | 102               | 104    |
| Other precision production, craft, and repair .....             | 4,112             | 4,126   | 3,176             | 3,196  | 3,118             | 3,147  | 936               | 929    | 909               | 905    |
| Operators, fabricators, and laborers .....                      | 17,814            | 18,022  | 13,234            | 13,327 | 12,041            | 12,219 | 4,580             | 4,695  | 4,363             | 4,484  |
| Machine operators, assemblers, and inspectors .....             | 8,117             | 8,248   | 4,806             | 4,878  | 4,610             | 4,690  | 3,311             | 3,370  | 3,214             | 3,271  |
| Manufacturing industries .....                                  | 6,751             | 6,774   | 3,950             | 3,957  | 3,810             | 3,827  | 2,801             | 2,816  | 2,729             | 2,739  |
| Durable goods .....   | 3,713             | 3,729   | 2,545             | 2,547  | 2,468             | 2,470  | 1,168             | 1,182  | 1,143             | 1,155  |
| Nondurable goods .....  | 3,038             | 3,045   | 1,405             | 1,411  | 1,342             | 1,357  | 1,633             | 1,634  | 1,586             | 1,583  |
| Nonmanufacturing industries .....                               | 1,366             | 1,475   | 856               | 921    | 800               | 864    | 510               | 554    | 485               | 532    |
| Transportation and material moving occupations .....            | 4,831             | 4,886   | 4,397             | 4,436  | 4,253             | 4,302  | 434               | 450    | 419               | 436    |
| Motor vehicle operators .....                                   | 3,592             | 3,602   | 3,206             | 3,199  | 3,083             | 3,088  | 386               | 402    | 374               | 390    |
| Other transportation and material moving occupations .....      | 1,238             | 1,284   | 1,191             | 1,237  | 1,170             | 1,215  | 47                | 47     | 46                | 46     |
| Handlers, equipment cleaners, helpers, and laborers .....       | 4,866             | 4,888   | 4,031             | 4,013  | 3,177             | 3,227  | 835               | 875    | 729               | 777    |
| Construction laborers .....                                     | 799               | 755     | 771               | 732    | 682               | 652    | 27                | 23     | 23                | 20     |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 4,068             | 4,133   | 3,259             | 3,280  | 2,496             | 2,575  | 808               | 853    | 706               | 757    |
| Farming, forestry, and fishing .....                            | 3,437             | 3,421   | 2,875             | 2,857  | 2,578             | 2,572  | 562               | 565    | 510               | 517    |
| Farm operators and managers .....                               | 1,286             | 1,269   | 1,093             | 1,074  | 1,081             | 1,060  | 193               | 195    | 191               | 192    |
| Other farming, forestry, and fishing occupations .....          | 2,151             | 2,153   | 1,782             | 1,783  | 1,497             | 1,511  | 369               | 369    | 319               | 325    |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**21. Employed civilians by occupation, race, and sex**

(Percent distribution)

| Occupation and race                                       | Total   |         | Men              |        | Women  |        |
|---|---------|---------|------------------|--------|--------|--------|
|   | 1988    | 1989    | 1988             | 1989   | 1988   | 1989   |
| <b>TOTAL</b>  |         |         |                  |        |        |        |
| Total, 16 years and over (thousands) .....                | 114,968 | 117,342 | 63,273           | 64,315 | 51,696 | 53,027 |
| Percent .....   | 100.0   | 100.0   | 100.0            | 100.0  | 100.0  | 100.0  |
| Managerial and professional specialty .....               | 25.4    | 25.9    | 25.5             | 25.9   | 25.2   | 25.9   |
| Executive, administrative, and managerial .....           | 12.4    | 12.7    | 13.6             | 13.9   | 10.8   | 11.1   |
| Professional specialty .....                              | 13.0    | 13.3    | 11.9             | 12.0   | 14.4   | 14.8   |
| Technical, sales, and administrative support .....        | 30.9    | 30.8    | 19.7             | 19.7   | 44.6   | 44.2   |
| Technicians and related support .....                     | 3.1     | 3.1     | 2.9              | 2.9    | 3.3    | 3.3    |
| Sales occupations .....                                   | 12.0    | 12.0    | 11.1             | 11.1   | 13.0   | 13.1   |
| Administrative support, including clerical .....          | 15.9    | 15.7    | 5.7              | 5.7    | 28.3   | 27.8   |
| Service occupations .....                                 | 13.3    | 13.3    | 9.6              | 9.6    | 17.9   | 17.7   |
| Private household .....                                   | .8      | .7      | .1               | .1     | 1.7    | 1.6    |
| Protective service .....                                  | 1.7     | 1.7     | 2.6              | 2.6    | .5     | .6     |
| Service, except private household and protective .....    | 10.9    | 10.8    | 6.9              | 7.0    | 15.7   | 15.6   |
| Precision production, craft, and repair .....             | 11.9    | 11.8    | 19.7             | 19.6   | 2.3    | 2.2    |
| Operators, fabricators, and laborers .....                | 15.5    | 15.4    | 20.9             | 20.7   | 8.9    | 8.9    |
| Machine operators, assemblers, and inspectors .....       | 7.1     | 7.0     | 7.6              | 7.6    | 6.4    | 6.4    |
| Transportation and material moving occupations .....      | 4.2     | 4.2     | 6.9              | 6.9    | .8     | .8     |
| Handlers, equipment cleaners, helpers, and laborers ..... | 4.2     | 4.2     | 6.4              | 6.2    | 1.6    | 1.7    |
| Farming, forestry, and fishing .....                      | 3.0     | 2.9     | 4.5              | 4.4    | 1.1    | 1.1    |
| <b>White</b>  |         |         |                  |        |        |        |
| Total, 16 years and over (thousands) .....                | 99,812  | 101,584 | 55,550           | 56,352 | 44,262 | 45,232 |
| Percent .....   | 100.0   | 100.0   | 100.0            | 100.0  | 100.0  | 100.0  |
| Managerial and professional specialty .....               | 26.5    | 27.0    | 26.6             | 27.1   | 26.3   | 26.9   |
| Executive, administrative, and managerial .....           | 13.0    | 13.3    | 14.4             | 14.7   | 11.4   | 11.6   |
| Professional specialty .....                              | 13.4    | 13.7    | 12.2             | 12.4   | 14.9   | 15.3   |
| Technical, sales, and administrative support .....        | 31.2    | 31.1    | 19.9             | 19.9   | 45.4   | 45.1   |
| Technicians and related support .....                     | 3.0     | 3.1     | 2.9              | 2.9    | 3.2    | 3.2    |
| Sales occupations .....                                   | 12.5    | 12.5    | 11.7             | 11.7   | 13.5   | 13.6   |
| Administrative support, including clerical .....          | 15.7    | 15.5    | 5.3              | 5.3    | 28.7   | 28.2   |
| Service occupations .....                                 | 12.1    | 12.0    | 8.6              | 8.5    | 16.6   | 16.4   |
| Private household .....                                   | .7      | .6      | ( <sup>1</sup> ) | .1     | 1.5    | 1.3    |
| Protective service .....                                  | 1.6     | 1.6     | 2.5              | 2.4    | .5     | .5     |
| Service, except private household and protective .....    | 9.9     | 9.9     | 6.0              | 6.1    | 14.6   | 14.5   |
| Precision production, craft, and repair .....             | 12.3    | 12.2    | 20.3             | 20.2   | 2.3    | 2.2    |
| Operators, fabricators, and laborers .....                | 14.7    | 14.5    | 19.8             | 19.6   | 8.2    | 8.2    |
| Machine operators, assemblers, and inspectors .....       | 6.7     | 6.6     | 7.3              | 7.3    | 5.9    | 5.8    |
| Transportation and material moving occupations .....      | 4.0     | 4.0     | 6.6              | 6.6    | .8     | .8     |
| Handlers, equipment cleaners, helpers, and laborers ..... | 4.0     | 3.9     | 6.0              | 5.8    | 1.6    | 1.6    |
| Farming, forestry, and fishing .....                      | 3.2     | 3.1     | 4.7              | 4.6    | 1.2    | 1.2    |
| <b>Black</b>  |         |         |                  |        |        |        |
| Total, 16 years and over (thousands) .....                | 11,658  | 11,953  | 5,824            | 5,928  | 5,834  | 6,025  |
| Percent .....   | 100.0   | 100.0   | 100.0            | 100.0  | 100.0  | 100.0  |
| Managerial and professional specialty .....               | 15.4    | 15.6    | 13.3             | 13.0   | 17.5   | 18.1   |
| Executive, administrative, and managerial .....           | 6.8     | 7.0     | 6.6              | 6.7    | 7.0    | 7.4    |
| Professional specialty .....                              | 8.6     | 8.5     | 6.8              | 6.3    | 10.5   | 10.8   |
| Technical, sales, and administrative support .....        | 27.8    | 28.0    | 16.9             | 17.0   | 38.6   | 38.9   |
| Technicians and related support .....                     | 2.8     | 2.9     | 2.3              | 2.2    | 3.4    | 3.6    |
| Sales occupations .....                                   | 7.2     | 7.6     | 5.3              | 5.8    | 9.1    | 9.4    |
| Administrative support, including clerical .....          | 17.8    | 17.5    | 9.3              | 9.0    | 26.2   | 25.9   |
| Service occupations .....                                 | 23.1    | 22.9    | 18.1             | 18.3   | 28.2   | 27.3   |
| Private household .....                                   | 1.8     | 1.8     | .1               | .1     | 3.4    | 3.5    |
| Protective service .....                                  | 2.8     | 2.7     | 4.4              | 4.6    | 1.1    | .9     |
| Service, except private household and protective .....    | 18.6    | 18.3    | 13.6             | 13.6   | 23.6   | 22.8   |
| Precision production, craft, and repair .....             | 8.8     | 9.1     | 15.5             | 15.9   | 2.2    | 2.4    |
| Operators, fabricators, and laborers .....                | 22.9    | 22.7    | 32.7             | 32.7   | 13.1   | 12.9   |
| Machine operators, assemblers, and inspectors .....       | 10.3    | 10.1    | 10.7             | 10.6   | 9.9    | 9.6    |
| Transportation and material moving occupations .....      | 6.2     | 6.0     | 11.2             | 10.9   | 1.2    | 1.1    |
| Handlers, equipment cleaners, helpers, and laborers ..... | 6.5     | 6.7     | 10.9             | 11.2   | 2.1    | 2.3    |
| Farming, forestry, and fishing .....                      | 1.9     | 1.8     | 3.5              | 3.1    | .4     | .4     |

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

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin

(Numbers in thousands)

| Occupation   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Total, 16 years and over .....                                 | 117,342        | 45.2              | 10.2  | 7.3             |
| Managerial and professional specialty .....                    | 30,398         | 45.2              | 6.1   | 3.7             |
| Executive, administrative, and managerial .....                | 14,848         | 39.8              | 5.7   | 4.0             |
| Officials and administrators, public administration .....      | 519            | 43.9              | 10.1  | 3.8             |
| Administrators, protective service .....                       | 54             | 14.6              | 7.8   | 2.5             |
| Financial managers .....                                       | 472            | 42.7              | 4.0   | 3.7             |
| Personnel and labor relations managers .....                   | 128            | 52.6              | 6.1   | 3.7             |
| Purchasing managers .....                                      | 110            | 25.9              | 4.7   | 3.7             |
| Managers, marketing, advertising, and public relations .....   | 514            | 31.0              | 3.3   | 2.2             |
| Administrators, education and related fields .....             | 585            | 53.4              | 9.9   | 4.0             |
| Managers, medicine and health .....                            | 188            | 67.6              | 6.7   | 3.1             |
| Managers, properties and real estate .....                     | 451            | 43.5              | 6.7   | 5.3             |
| Management-related occupations .....                           | 3,908          | 50.4              | 7.1   | 4.0             |
| Accountants and auditors .....                                 | 1,416          | 48.6              | 7.5   | 3.2             |
| Underwriters and other financial officers .....                | 103            | 65.4              | 7.5   | 4.2             |
| Other financial officers .....                                 | 685            | 48.2              | 5.6   | 4.5             |
| Management analysts .....                                      | 183            | 32.8              | 4.4   | 3.3             |
| Personnel, training, and labor relations specialists .....     | 426            | 59.6              | 8.8   | 4.5             |
| Buyers, wholesale and retail trade, except farm products ..... | 214            | 48.8              | 3.2   | 2.5             |
| Construction inspectors .....                                  | 61             | 4.7               | 5.4   | 3.2             |
| Inspectors and compliance officers, except construction .....  | 196            | 28.1              | 13.3  | 6.9             |
| Professional specialty .....                                   | 15,550         | 50.4              | 6.6   | 3.4             |
| Architects .....   | 157            | 20.6              | 2.1   | 5.8             |
| Engineers .....  | 1,823          | 7.6               | 3.6   | 2.3             |
| Aerospace engineers .....                                      | 112            | 3.7               | 3.3   | 1.2             |
| Chemical engineers .....                                       | 67             | 15.3              | 4.6   | 6.6             |
| Civil engineers .....  | 249            | 5.4               | 4.2   | 3.6             |
| Electrical and electronic engineers .....                      | 571            | 8.5               | 3.2   | 2.2             |
| Industrial engineers .....                                     | 199            | 11.5              | 4.9   | 1.1             |
| Mechanical engineers .....                                     | 310            | 4.9               | 3.2   | 1.6             |
| Mathematical and computer scientists .....                     | 853            | 35.7              | 5.7   | 3.5             |
| Computer systems analysts and scientists .....                 | 566            | 32.4              | 5.7   | 3.0             |
| Operations and systems researchers and analysts .....          | 239            | 41.1              | 5.8   | 4.9             |
| Natural scientists .....                                       | 413            | 26.9              | 3.9   | 2.7             |
| Chemists, except biochemists .....                             | 122            | 27.8              | 5.9   | 5.2             |
| Geologists and geodesists .....                                | 52             | 15.4              | 2.9   | .5              |
| Biological and life scientists .....                           | 77             | 34.6              | 2.9   | 2.1             |
| Health diagnosing occupations .....                            | 854            | 16.5              | 3.2   | 4.4             |
| Physicians .....   | 548            | 17.9              | 3.3   | 5.4             |
| Dentists .....   | 170            | 8.6               | 4.3   | 2.9             |
| Health assessment and treating occupations .....               | 2,242          | 84.8              | 7.3   | 3.1             |
| Registered nurses .....  | 1,599          | 94.2              | 7.2   | 3.0             |
| Pharmacists .....  | 174            | 32.3              | 4.7   | 2.2             |
| Dietitians .....   | 83             | 90.8              | 17.1  | 5.3             |
| Therapists .....   | 324            | 76.3              | 6.4   | 3.0             |
| Inhalation therapists .....                                    | 63             | 52.5              | 12.5  | 2.7             |
| Physical therapists .....                                      | 90             | 77.3              | 4.8   | 6.1             |
| Speech therapists .....  | 63             | 88.6              | 3.3   | .9              |
| Physicians' assistants .....                                   | 62             | 26.6              | 6.9   | 6.2             |
| Teachers, college and university .....                         | 709            | 38.7              | 4.3   | 2.4             |
| Teachers, except college and university .....                  | 3,936          | 73.3              | 9.2   | 3.7             |
| Prekindergarten and kindergarten .....                         | 431            | 97.8              | 10.1  | 5.3             |
| Elementary school .....  | 1,489          | 84.7              | 11.0  | 3.5             |
| Secondary school .....   | 1,220          | 52.6              | 7.7   | 3.4             |
| Special education .....  | 257            | 84.4              | 11.8  | 2.2             |
| Teachers, n.e.c. .....   | 539            | 63.6              | 5.4   | 4.2             |
| Counselors, educational and vocational .....                   | 214            | 60.4              | 12.0  | 6.2             |
| Librarians, archivists, and curators .....                     | 212            | 83.3              | 7.3   | 2.2             |
| Librarians .....   | 188            | 87.3              | 7.6   | 2.3             |
| Social scientists and urban planners .....                     | 374            | 48.6              | 6.4   | 2.7             |
| Economists .....   | 122            | 41.3              | 4.4   | 3.5             |
| Psychologists .....  | 210            | 54.0              | 7.7   | 2.5             |
| Social, recreation, and religious workers .....                | 1,043          | 48.8              | 12.4  | 3.6             |
| Social workers .....   | 527            | 68.1              | 17.6  | 4.8             |
| Recreation workers .....                                       | 101            | 74.4              | 9.8   | 3.3             |
| Clergy .....   | 336            | 7.8               | 7.2   | 1.8             |
| Religious workers, n.e.c. .....                                | 79             | 61.9              | 2.8   | 3.6             |
| Lawyers and judges .....                                       | 774            | 22.3              | 3.2   | 3.3             |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Occupation  | 1989           |                   |             |                 |
|---|----------------|-------------------|-------------|-----------------|
|   | Total employed | Percent of total: |             |                 |
|   |                | Women             | Black       | Hispanic origin |
| Lawyers .....   | 741            | 22.2              | 3.0         | 3.4             |
| Writers, artists, entertainers, and athletes .....                | 1,921          | 46.0              | 4.5         | 3.9             |
| Authors .....   | 82             | 59.2              | 1.3         | .4              |
| Technical writers .....   | 65             | 48.0              | 2.3         | 2.8             |
| Designers .....   | 534            | 51.5              | 2.8         | 4.3             |
| Musicians and composers .....                                     | 170            | 31.5              | 7.0         | 5.3             |
| Actors and directors .....  | 96             | 34.6              | 7.2         | 3.8             |
| Painters, sculptors, craft-artists, and artist printmakers .....  | 229            | 50.7              | 2.7         | 3.8             |
| Photographers .....   | 112            | 30.3              | 4.8         | 7.6             |
| Editors and reporters .....                                       | 253            | 49.2              | 5.6         | 1.6             |
| Public relations specialists .....                                | 159            | 57.1              | 5.5         | 1.3             |
| Announcers .....  | 51             | 13.6              | 9.7         | 3.7             |
| Athletes .....  | 74             | 19.4              | 8.7         | 6.3             |
| <b>Technical, sales, and administrative support .....</b>         | <b>36,127</b>  | <b>64.9</b>       | <b>9.3</b>  | <b>5.7</b>      |
| Technicians and related support .....                             | 3,645          | 48.2              | 9.5         | 4.3             |
| Health technologists and technicians .....                        | 1,276          | 82.3              | 14.6        | 4.6             |
| Clinical laboratory technologists and technicians .....           | 308            | 74.4              | 14.7        | 4.1             |
| Dental hygienists .....   | 80             | 99.2              | 1.7         | .9              |
| Health record technologists & technicians .....                   | 72             | 91.3              | 15.5        | 10.8            |
| Radiologic technicians .....                                      | 124            | 75.8              | 10.1        | 4.3             |
| Licensed practical nurses .....                                   | 414            | 96.1              | 19.0        | 4.4             |
| Engineering and related technologists and technicians .....       | 937            | 19.2              | 7.7         | 4.4             |
| Electrical and electronic technicians .....                       | 326            | 14.2              | 7.7         | 6.1             |
| Drafting occupations .....  | 296            | 20.7              | 6.2         | 4.3             |
| Surveying and mapping technicians .....                           | 70             | 11.0              | 6.3         | 5.6             |
| Science technicians .....   | 217            | 29.4              | 7.5         | 4.9             |
| Biological technicians .....                                      | 59             | 37.3              | 5.7         | 7.5             |
| Chemical technicians .....  | 74             | 21.7              | 9.2         | 3.7             |
| Technicians, except health, engineering, and science .....        | 1,216          | 38.2              | 5.9         | 3.8             |
| Airplane pilots and navigators .....                              | 109            | 3.8               | .2          | 2.7             |
| Computer programmers .....  | 561            | 35.2              | 5.5         | 3.2             |
| Legal assistants .....  | 210            | 75.7              | 7.0         | 5.0             |
| <b>Sales occupations .....</b>                                    | <b>14,065</b>  | <b>49.3</b>       | <b>6.4</b>  | <b>5.2</b>      |
| Supervisors and proprietors .....                                 | 3,828          | 34.8              | 4.6         | 5.0             |
| Sales representatives, finance and business services .....        | 2,371          | 43.5              | 4.6         | 3.4             |
| Insurance sales .....   | 535            | 29.4              | 5.1         | 2.8             |
| Real estate sales .....   | 772            | 51.0              | 3.5         | 3.4             |
| Securities and financial services sales .....                     | 302            | 29.1              | 2.9         | 1.1             |
| Advertising and related sales .....                               | 156            | 54.2              | 5.2         | 3.3             |
| Sales occupations, other business services .....                  | 607            | 50.9              | 6.1         | 4.9             |
| Sales representatives, commodities, except retail .....           | 1,612          | 20.4              | 3.1         | 3.6             |
| <b>Sales workers, retail and personal services .....</b>          | <b>6,186</b>   | <b>67.8</b>       | <b>9.2</b>  | <b>6.5</b>      |
| Sales workers, motor vehicles and boats .....                     | 300            | 6.8               | 3.8         | 6.5             |
| Sales workers, apparel .....                                      | 449            | 83.6              | 8.9         | 6.6             |
| Sales workers, shoes .....  | 107            | 62.9              | 13.3        | 11.5            |
| Sales workers, furniture and home furnishings .....               | 152            | 48.1              | 3.0         | 6.3             |
| Sales workers, radio, television, hi-fi, and appliances .....     | 203            | 29.4              | 6.0         | 6.1             |
| Sales workers, hardware and building supplies .....               | 206            | 24.2              | 3.5         | 3.2             |
| Sales workers, parts .....  | 160            | 7.9               | 4.5         | 7.8             |
| Sales workers, other commodities .....                            | 1,522          | 71.8              | 6.6         | 5.4             |
| Sales counter clerks .....  | 190            | 71.3              | 9.2         | 4.5             |
| Cashiers .....  | 2,473          | 81.8              | 13.0        | 7.4             |
| Street and door-to-door sales workers .....                       | 323            | 75.8              | 6.9         | 6.2             |
| News vendors .....  | 101            | 40.7              | 8.8         | 4.2             |
| Sales-related occupations .....                                   | 68             | 74.6              | 3.8         | 1.8             |
| <b>Administrative support, including clerical .....</b>           | <b>18,416</b>  | <b>80.0</b>       | <b>11.4</b> | <b>6.4</b>      |
| Supervisors .....   | 736            | 58.2              | 12.6        | 6.1             |
| General office .....  | 446            | 65.9              | 12.8        | 5.3             |
| Financial records processing .....                                | 82             | 70.2              | 4.4         | 3.9             |
| Supervisors, distribution, scheduling, and adjusting clerks ..... | 169            | 35.1              | 17.3        | 9.2             |
| Computer equipment operators .....                                | 876            | 64.3              | 14.2        | 6.1             |
| Computer operators .....  | 870            | 64.2              | 14.3        | 6.0             |
| Secretaries, stenographers, and typists .....                     | 4,788          | 98.3              | 8.5         | 5.0             |
| Secretaries .....   | 4,010          | 99.1              | 7.3         | 4.6             |
| Typists .....   | 731            | 95.0              | 14.8        | 7.2             |
| Information clerks .....  | 1,451          | 89.6              | 10.1        | 7.4             |
| Interviewers .....  | 183            | 83.9              | 14.1        | 6.7             |
| Hotel clerks .....  | 89             | 73.6              | 9.6         | 8.6             |

See footnotes at end of table.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Occupation   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Transportation ticket and reservation agents .....                         | 112            | 66.5              | 16.6  | 7.2             |
| Receptionists .....  | 815            | 97.2              | 7.4   | 7.7             |
| Records processing occupations, except financial .....                     | 851            | 82.3              | 14.7  | 7.5             |
| Order clerks .....   | 199            | 80.3              | 14.5  | 6.2             |
| Personnel clerks, except payroll and timekeeping .....                     | 77             | 91.2              | 20.8  | 4.8             |
| Library clerks .....   | 144            | 78.3              | 10.3  | 4.5             |
| File clerks .....  | 284            | 82.2              | 17.2  | 10.4            |
| Records clerks .....   | 116            | 85.0              | 11.4  | 8.3             |
| Financial records processing .....   | 2,394          | 91.0              | 6.3   | 5.0             |
| Bookkeepers, accounting, and auditing clerks .....                         | 1,926          | 91.7              | 5.1   | 4.6             |
| Payroll and timekeeping clerks .....                                       | 177            | 90.5              | 11.0  | 6.6             |
| Billing clerks .....   | 159            | 90.6              | 9.6   | 6.8             |
| Cost and rate clerks .....   | 83             | 77.3              | 13.6  | 5.1             |
| Duplicating, mail and other office machine operators .....                 | 65             | 62.6              | 13.9  | 9.1             |
| Communications equipment operators .....                                   | 210            | 88.6              | 17.7  | 6.4             |
| Telephone operators .....  | 201            | 89.8              | 17.7  | 6.4             |
| Mail and message distributing occupations .....                            | 952            | 36.5              | 20.2  | 7.8             |
| Postal clerks, except mail carriers .....                                  | 313            | 43.7              | 30.1  | 6.8             |
| Mail carriers, postal service .....  | 327            | 26.1              | 11.2  | 7.6             |
| Mail clerks, except postal service .....                                   | 179            | 50.8              | 23.5  | 11.4            |
| Messengers .....   | 133            | 26.0              | 14.4  | 6.0             |
| Material recording, scheduling, and distributing clerks .....              | 1,745          | 40.2              | 12.3  | 8.4             |
| Dispatchers .....  | 189            | 51.5              | 9.6   | 4.4             |
| Production coordinators .....  | 196            | 46.4              | 8.5   | 6.1             |
| Traffic, shipping, and receiving clerks .....                              | 550            | 27.6              | 14.2  | 11.6            |
| Stock and inventory clerks .....   | 561            | 41.2              | 13.2  | 8.2             |
| Meter readers .....  | 50             | 17.1              | 18.1  | 2.6             |
| Weighers, measurers, and checkers .....                                    | 76             | 46.6              | 9.2   | 6.9             |
| Expeditors .....   | 96             | 67.5              | 9.0   | 9.0             |
| Adjusters and investigators .....  | 1,079          | 74.0              | 12.1  | 6.0             |
| Insurance adjusters, examiners, and investigators .....                    | 325            | 72.0              | 12.0  | 4.6             |
| Investigators and adjusters, except insurance .....                        | 546            | 75.6              | 12.3  | 6.5             |
| Eligibility clerks, social welfare .....                                   | 72             | 84.5              | 11.1  | 7.8             |
| Bill and account collectors .....  | 136            | 67.0              | 11.9  | 6.2             |
| Miscellaneous administrative support .....                                 | 3,269          | 85.2              | 14.2  | 7.2             |
| General office clerks .....  | 810            | 81.9              | 12.8  | 7.1             |
| Bank tellers .....   | 503            | 91.0              | 9.9   | 6.9             |
| Data entry keyers .....  | 414            | 87.8              | 20.2  | 8.5             |
| Statistical clerks .....   | 86             | 79.7              | 14.2  | 4.2             |
| Teachers' aides .....  | 440            | 95.1              | 16.0  | 9.3             |
| Service occupations .....  | 15,556         | 60.4              | 17.6  | 10.8            |
| Private household .....  | 872            | 95.9              | 25.1  | 15.8            |
| Child care workers .....   | 358            | 97.1              | 8.7   | 10.0            |
| Cleaners and servants .....  | 464            | 94.9              | 36.5  | 19.5            |
| Protective service .....   | 1,960          | 15.6              | 16.8  | 5.8             |
| Supervisors, protective service .....                                      | 169            | 8.3               | 12.2  | 2.8             |
| Supervisors, police and detectives .....                                   | 83             | 6.3               | 6.0   | 1.7             |
| Firefighting and fire prevention .....                                     | 208            | 3.9               | 11.7  | 4.0             |
| Firefighting occupations .....   | 188            | 3.5               | 12.0  | 4.4             |
| Police and detectives .....  | 803            | 12.6              | 15.1  | 4.9             |
| Police and detectives, public service .....                                | 461            | 10.2              | 13.1  | 4.7             |
| Sheriffs, bailiffs, and other law enforcement officers .....               | 112            | 12.8              | 7.3   | 4.5             |
| Correctional institution officers .....                                    | 230            | 17.4              | 22.8  | 5.5             |
| Guards .....   | 781            | 23.3              | 20.8  | 7.8             |
| Guards and police, except public service .....                             | 658            | 15.9              | 23.3  | 8.6             |
| Service occupations, except private household and protective service ..... | 12,724         | 64.8              | 17.2  | 11.3            |
| Food preparation and service occupations .....                             | 5,351          | 60.3              | 12.5  | 12.0            |
| Supervisors .....  | 356            | 69.8              | 12.3  | 8.9             |
| Bartenders .....   | 322            | 50.6              | 3.4   | 6.1             |
| Waiters and waitresses .....   | 1,389          | 80.8              | 4.7   | 7.6             |
| Cooks, except short order .....  | 1,713          | 49.4              | 18.2  | 14.2            |
| Short-order cooks .....  | 91             | 30.9              | 22.4  | 9.1             |
| Food counter, fountain, and related occupations .....                      | 354            | 72.7              | 10.5  | 9.6             |
| Kitchen workers, food preparation .....                                    | 126            | 73.1              | 18.5  | 11.9            |
| Waiters' and waitresses' assistants .....                                  | 352            | 40.1              | 14.0  | 23.0            |
| Miscellaneous food preparation .....                                       | 648            | 50.0              | 16.4  | 16.0            |
| Health service occupations .....   | 2,042          | 90.0              | 26.4  | 6.5             |
| Dental assistants .....  | 187            | 98.9              | 7.4   | 9.0             |
| Health aides, except nursing .....   | 416            | 84.5              | 17.7  | 7.0             |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Occupation   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Nursing aides, orderlies, and attendants .....                       | 1,439          | 90.4              | 31.4  | 6.0             |
| Cleaning and building service occupations .....                      | 2,997          | 42.7              | 22.9  | 15.8            |
| Supervisors .....  | 154            | 38.4              | 24.1  | 13.2            |
| Maids and housemen .....   | 646            | 83.6              | 26.7  | 17.2            |
| Janitors and cleaners .....  | 2,148          | 31.6              | 21.8  | 15.7            |
| Personal service occupations .....                                   | 2,333          | 81.8              | 12.4  | 7.9             |
| Barbers .....  | 81             | 17.1              | 15.8  | 9.2             |
| Hairdressers and cosmetologists .....                                | 736            | 89.3              | 9.0   | 7.9             |
| Attendants, amusement and recreation facilities .....                | 133            | 47.9              | 10.0  | 5.5             |
| Public transportation attendants .....                               | 86             | 83.0              | 14.7  | 3.2             |
| Welfare service aides .....  | 95             | 89.8              | 28.3  | 8.7             |
| Child care workers .....   | 861            | 96.3              | 12.4  | 7.9             |
| Precision production, craft, and repair .....                        | 13,818         | 8.6               | 7.9   | 8.5             |
| Mechanics and repairers .....  | 4,550          | 3.4               | 7.7   | 7.4             |
| Supervisors .....  | 285            | 7.1               | 5.9   | 3.9             |
| Mechanics and repairers, except supervisors .....                    | 4,265          | 3.1               | 7.8   | 7.7             |
| Vehicle and mobile equipment mechanics and repairers .....           | 1,793          | .8                | 7.2   | 9.3             |
| Automobile mechanics .....   | 880            | .7                | 8.2   | 11.6            |
| Bus, truck, and stationery engine mechanics .....                    | 320            | .3                | 6.5   | 6.4             |
| Aircraft engine mechanics .....                                      | 122            | 2.6               | 9.2   | 7.5             |
| Small engine repairers .....   | 65             | 1.2               | 3.0   | 3.2             |
| Automobile body and related repairers .....                          | 191            | .8                | 5.2   | 9.4             |
| Heavy equipment mechanics .....                                      | 160            | .1                | 6.4   | 6.5             |
| Industrial machinery repairers .....                                 | 539            | 3.0               | 8.4   | 7.4             |
| Electrical and electronic equipment repairers .....                  | 680            | 7.7               | 9.6   | 6.0             |
| Electronic repairers, communications, and industrial equipment ..... | 165            | 6.7               | 9.0   | 8.2             |
| Data processing equipment repairers .....                            | 152            | 8.6               | 11.7  | 4.5             |
| Telephone line installers and repairers .....                        | 54             | 4.2               | 7.3   | 5.9             |
| Telephone installers and repairers .....                             | 193            | 10.8              | 8.1   | 4.5             |
| Heating, air conditioning, and refrigeration mechanics .....         | 279            | .5                | 6.0   | 4.7             |
| Miscellaneous mechanics and repairers .....                          | 948            | 5.0               | 7.8   | 6.8             |
| Office machine repairers .....                                       | 67             | 8.2               | 6.0   | 2.6             |
| Millwrights .....  | 101            | 3.6               | 3.5   | 4.1             |
| Construction trades .....  | 5,142          | 2.1               | 7.2   | 8.8             |
| Supervisors .....  | 662            | 1.9               | 4.4   | 6.2             |
| Construction trades, except supervisors .....                        | 4,479          | 2.1               | 7.6   | 9.2             |
| Brickmasons and stonemasons .....                                    | 219            | .6                | 15.6  | 5.8             |
| Tile setters, hard and soft .....                                    | 57             | .6                | 4.9   | 14.5            |
| Carpet installers .....  | 109            | 1.3               | 5.9   | 9.5             |
| Carpenters .....   | 1,369          | 1.2               | 5.4   | 8.7             |
| Drywall installers .....   | 155            | 1.6               | 3.8   | 17.7            |
| Electricians .....   | 702            | 1.8               | 7.0   | 5.3             |
| Electrical power installers and repairers .....                      | 104            | .4                | 8.4   | 1.7             |
| Painters, construction and maintenance .....                         | 543            | 6.0               | 9.1   | 13.2            |
| Plumbers, pipefitters, and steamfitters .....                        | 456            | .8                | 6.9   | 5.3             |
| Concrete and terrazzo finishers .....                                | 77             | .6                | 19.7  | 25.4            |
| Insulation workers .....   | 64             | 4.3               | 6.8   | 20.7            |
| Roofers .....  | 178            | .6                | 11.1  | 12.4            |
| Structural metal workers .....                                       | 63             | .4                | 3.3   | 8.5             |
| Extractive occupations .....   | 138            | 2.6               | 6.2   | 7.3             |
| Precision production occupations .....                               | 3,988          | 23.2              | 9.0   | 9.4             |
| Supervisors .....  | 1,353          | 14.7              | 8.1   | 7.7             |
| Precision metalworking .....   | 911            | 6.4               | 6.0   | 7.1             |
| Tool and die makers .....  | 148            | 2.6               | 4.9   | 3.6             |
| Machinists .....   | 479            | 4.2               | 5.4   | 7.1             |
| Precious stones and metals workers .....                             | 52             | 33.1              | 3.1   | 18.2            |
| Sheet-metal workers .....  | 141            | 6.9               | 8.7   | 7.2             |
| Precision woodworking occupations .....                              | 95             | 13.9              | 5.2   | 10.4            |
| Cabinet makers and bench carpenters .....                            | 56             | 4.8               | 1.1   | 12.2            |
| Precision textile, apparel, and furnishings machine workers .....    | 277            | 57.9              | 10.0  | 12.9            |
| Dressmakers .....  | 117            | 94.4              | 9.7   | 6.8             |
| Tailors .....  | 60             | 41.4              | 7.7   | 21.3            |
| Upholsterers .....   | 71             | 24.0              | 7.7   | 17.5            |
| Precision workers, assorted materials .....                          | 565            | 54.7              | 9.6   | 12.3            |
| Optical goods workers .....  | 80             | 61.4              | 3.0   | 9.8             |
| Dental laboratory and medical appliance technicians .....            | 51             | 27.0              | 7.3   | 3.1             |
| Electrical and electronic equipment assemblers .....                 | 316            | 67.5              | 12.9  | 14.8            |
| Precision food production occupations .....                          | 414            | 34.5              | 16.5  | 16.0            |
| Butchers and meat cutters .....                                      | 266            | 26.7              | 19.0  | 17.3            |

See footnotes at end of table.

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

| Occupation   | 1989           |                   |             |                 |
|--|----------------|-------------------|-------------|-----------------|
|  | Total employed | Percent of total: |             |                 |
|  |                | Women             | Black       | Hispanic origin |
| Bakers .....   | 113            | 44.0              | 12.8        | 12.6            |
| Precision inspectors, testers, and related workers .....           | 125            | 24.6              | 8.8         | 7.0             |
| Inspectors, testers, and graders .....                             | 113            | 23.9              | 9.1         | 6.5             |
| Plant and system operators .....                                   | 249            | 5.0               | 11.7        | 6.1             |
| Water and sewage treatment plant operators .....                   | 55             | 5.9               | 9.3         | 3.5             |
| Stationary engineers .....   | 109            | 3.6               | 10.2        | 9.0             |
| <b>Operators, fabricators, and laborers .....</b>                  | <b>18,022</b>  | <b>26.0</b>       | <b>15.1</b> | <b>11.4</b>     |
| Machine operators, assemblers, and inspectors .....                | 8,248          | 40.9              | 14.6        | 13.6            |
| Machine operators and tenders, except precision .....              | 5,381          | 41.7              | 15.4        | 14.3            |
| Metalworking and plastic working machine operators .....           | 470            | 18.2              | 9.7         | 10.3            |
| Lathe and turning machine operators .....                          | 55             | 9.0               | 4.6         | 14.2            |
| Punching and stamping press machine operators .....                | 120            | 30.3              | 13.3        | 8.4             |
| Grinding, abrading, buffing, and polishing machine operators ..... | 143            | 16.0              | 10.7        | 14.7            |
| Metal and plastic processing machine operators .....               | 160            | 23.9              | 16.2        | 10.3            |
| Molding and casting machine operators .....                        | 97             | 29.3              | 16.9        | 7.4             |
| Woodworking machine operators .....                                | 165            | 14.1              | 15.7        | 5.0             |
| Sawing machine operators .....                                     | 96             | 11.0              | 17.1        | 3.2             |
| Printing machine operators .....                                   | 474            | 27.4              | 7.5         | 9.2             |
| Printing machine operators .....                                   | 324            | 15.2              | 9.5         | 10.0            |
| Typesetters and compositors .....                                  | 66             | 70.2              | 1.4         | 2.1             |
| Textile, apparel, and furnishings machine operators .....          | 1,356          | 78.3              | 20.7        | 18.6            |
| Winding and twisting machine operators .....                       | 77             | 70.2              | 33.7        | 3.0             |
| Knitting, looping, tapping, weaving machine operators .....        | 52             | 64.1              | 31.4        | 6.0             |
| Textile sewing machine operators .....                             | 757            | 90.5              | 16.3        | 21.7            |
| Pressing machine operators .....                                   | 134            | 70.2              | 30.3        | 21.7            |
| Laundering and dry cleaning machine operators .....                | 220            | 63.2              | 21.6        | 20.8            |
| Machine operators, assorted materials .....                        | 2,736          | 32.9              | 15.0        | 14.7            |
| Packaging and filling machine operators .....                      | 442            | 61.8              | 18.6        | 22.0            |
| Mixing and blending machine operators .....                        | 110            | 8.3               | 20.1        | 12.6            |
| Separating, filtering, and clarifying machine operators .....      | 62             | 9.8               | 11.8        | 2.1             |
| Painting and paint spraying machine operators .....                | 186            | 14.4              | 11.0        | 15.4            |
| Furnace, kiln, and oven operators, except food .....               | 96             | 3.7               | 11.5        | 7.9             |
| Crushing and grinding machine operators .....                      | 58             | 31.7              | 10.0        | 12.3            |
| Slicing and cutting machine operators .....                        | 219            | 26.1              | 12.6        | 19.6            |
| Photographic process machine operators .....                       | 91             | 56.1              | 8.6         | 4.9             |
| Fabricators, assemblers, and hand working occupations .....        | 2,011          | 33.5              | 13.0        | 12.7            |
| Welders and cutters .....  | 612            | 6.6               | 9.5         | 11.3            |
| Assemblers .....   | 1,177          | 44.1              | 15.6        | 13.4            |
| Production inspectors, testers, samplers, and weighers .....       | 856            | 52.6              | 13.4        | 11.0            |
| Production inspectors, checkers, and examiners .....               | 688            | 53.4              | 12.8        | 9.2             |
| Production testers .....   | 60             | 36.3              | 7.9         | 9.3             |
| Graders and sorters, except agricultural .....                     | 102            | 58.0              | 21.0        | 23.5            |
| <b>Transportation and material moving occupations .....</b>        | <b>4,866</b>   | <b>9.2</b>        | <b>14.6</b> | <b>7.6</b>      |
| Motor vehicle operators .....                                      | 3,602          | 11.2              | 14.7        | 7.8             |
| Supervisors .....  | 79             | 15.9              | 9.1         | 7.0             |
| Truck drivers, heavy .....   | 1,850          | 1.9               | 14.2        | 6.5             |
| Truck drivers, light .....   | 766            | 8.9               | 12.0        | 9.3             |
| Drivers-sales workers .....  | 192            | 6.4               | 5.4         | 7.0             |
| Bus drivers .....  | 440            | 54.8              | 22.6        | 5.4             |
| Taxi-cab drivers and chauffeurs .....                              | 220            | 13.1              | 20.1        | 18.1            |
| Transportation occupations, except motor vehicles .....            | 177            | 2.7               | 8.3         | 3.8             |
| Rail transportation occupations .....                              | 129            | 2.8               | 10.7        | 3.0             |
| Material moving equipment operators .....                          | 1,107          | 3.8               | 15.2        | 7.5             |
| Operating engineers .....  | 220            | 1.3               | 10.2        | 3.7             |
| Crane and tower operators .....                                    | 99             | .8                | 18.2        | 2.6             |
| Excavating and loading machine operators .....                     | 128            | .8                | 7.5         | 3.6             |
| Grader, dozer, and scraper operators .....                         | 96             | 1.3               | 9.1         | 6.4             |
| Industrial truck and tractor equipment operators .....             | 452            | 5.6               | 21.2        | 10.7            |
| <b>Handlers, equipment cleaners, helpers, and laborers .....</b>   | <b>4,888</b>   | <b>17.9</b>       | <b>16.4</b> | <b>11.6</b>     |
| Helpers, construction and extractive occupations .....             | 133            | 4.4               | 13.0        | 14.6            |
| Helpers, construction trades .....                                 | 123            | 4.1               | 13.0        | 15.6            |
| Construction laborers .....  | 755            | 3.0               | 15.5        | 15.1            |
| Production helpers .....   | 82             | 26.8              | 12.5        | 16.7            |
| Freight, stock, and material handlers .....                        | 1,743          | 17.3              | 16.9        | 8.8             |
| Garbage collectors .....   | 50             | 4.1               | 38.1        | 8.4             |
| Stock handlers and baggers .....                                   | 900            | 23.2              | 12.9        | 7.6             |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Occupation   | 1989           |                   |            |                 |
|--|----------------|-------------------|------------|-----------------|
|  | Total employed | Percent of total: |            |                 |
|  |                | Women             | Black      | Hispanic origin |
| Machine feeders and offbearers .....                 | 91             | 31.9              | 18.1       | 6.2             |
| Garage and service station related occupations ..... | 230            | 5.5               | 11.6       | 10.0            |
| Vehicle washers and equipment cleaners .....         | 281            | 12.7              | 22.5       | 18.9            |
| Hand packers and packagers .....                     | 327            | 64.1              | 14.9       | 14.1            |
| Laborers, except construction .....                  | 1,288          | 20.4              | 16.3       | 10.8            |
| <b>Farming, forestry, and fishing .....</b>          | <b>3,421</b>   | <b>16.5</b>       | <b>6.1</b> | <b>13.9</b>     |
| Farm operators and managers .....                    | 1,269          | 15.4              | .8         | 1.7             |
| Farmers .....  | 1,118          | 15.3              | .7         | 1.3             |
| Farm managers .....                                  | 150            | 15.7              | 1.7        | 4.6             |
| Other agricultural and related occupations .....     | 1,976          | 18.1              | 9.2        | 22.0            |
| Farm occupations, except managerial .....            | 964            | 23.0              | 8.1        | 26.1            |
| Farm workers .....                                   | 893            | 22.9              | 8.2        | 26.1            |
| Related agricultural occupations .....               | 1,012          | 13.5              | 10.3       | 18.1            |
| Supervisors .....                                    | 73             | 6.0               | 6.7        | 11.0            |
| Groundskeepers and gardeners, except farm .....      | 816            | 6.1               | 11.0       | 19.8            |
| Animal caretakers, except farm .....                 | 104            | 65.2              | 7.8        | 4.0             |
| Forestry and logging occupations .....               | 118            | 6.2               | 11.8       | 11.1            |
| Timber cutting and logging .....                     | 82             | 1.6               | 15.3       | 1.8             |
| Fishers, hunters, and trappers .....                 | 59             | 7.0               | 5.2        | 7.6             |

NOTE: N.e.c. is an abbreviation for "not elsewhere classified" and designates broad categories of occupations which cannot be more specifically identified. Generally, data for occupations with fewer than

50,000 employed are not published separately but are included in the totals for the appropriate categories shown.

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

(In thousands)

| Age and sex                    | 1989                       |                           |            |        |                       |                       |                         |                       |                       |
|--------------------------------|----------------------------|---------------------------|------------|--------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|
|                                | 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 ..... | 105,259                    | 1,101                     | 17,469     | 86,689 | 8,605                 | 279                   | 1,665                   | 1,403                 | 131                   |
| 16 to 19 years .....           | 6,421                      | 183                       | 331        | 5,908  | 75                    | 14                    | 194                     | 31                    | 25                    |
| 16 to 17 years .....           | 2,436                      | 117                       | 99         | 2,219  | 24                    | 7                     | 94                      | 12                    | 15                    |
| 18 to 19 years .....           | 3,986                      | 66                        | 231        | 3,689  | 51                    | 7                     | 100                     | 19                    | 10                    |
| 20 to 24 years .....           | 12,295                     | 113                       | 1,100      | 11,082 | 293                   | 13                    | 297                     | 52                    | 12                    |
| 25 to 34 years .....           | 31,274                     | 188                       | 4,308      | 26,778 | 1,920                 | 52                    | 513                     | 268                   | 19                    |
| 35 to 44 years .....           | 26,123                     | 173                       | 5,482      | 20,468 | 2,598                 | 81                    | 301                     | 312                   | 26                    |
| 45 to 54 years .....           | 16,953                     | 156                       | 3,753      | 13,043 | 1,826                 | 62                    | 174                     | 243                   | 21                    |
| 55 to 64 years .....           | 9,749                      | 170                       | 2,069      | 7,510  | 1,286                 | 39                    | 128                     | 280                   | 16                    |
| 55 to 59 years .....           | 5,897                      | 92                        | 1,274      | 4,530  | 719                   | 24                    | 65                      | 140                   | 10                    |
| 60 to 64 years .....           | 3,853                      | 77                        | 795        | 2,980  | 567                   | 15                    | 63                      | 140                   | 6                     |
| 65 years and over .....        | 2,444                      | 118                       | 426        | 1,899  | 607                   | 18                    | 58                      | 217                   | 12                    |
| Men, 16 years and over .....   | 56,202                     | 156                       | 8,116      | 47,930 | 5,562                 | 38                    | 1,302                   | 1,167                 | 44                    |
| 16 to 19 years .....           | 3,219                      | 45                        | 149        | 3,025  | 45                    | 8                     | 159                     | 28                    | 19                    |
| 16 to 17 years .....           | 1,206                      | 30                        | 49         | 1,127  | 12                    | 4                     | 82                      | 11                    | 12                    |
| 18 to 19 years .....           | 2,013                      | 15                        | 100        | 1,898  | 33                    | 4                     | 77                      | 17                    | 7                     |
| 20 to 24 years .....           | 6,317                      | 21                        | 484        | 5,812  | 182                   | 6                     | 238                     | 48                    | 7                     |
| 25 to 34 years .....           | 17,103                     | 30                        | 2,001      | 15,073 | 1,213                 | 6                     | 404                     | 222                   | 4                     |
| 35 to 44 years .....           | 13,856                     | 20                        | 2,498      | 11,338 | 1,665                 | 3                     | 226                     | 248                   | 4                     |
| 45 to 54 years .....           | 9,077                      | 15                        | 1,778      | 7,285  | 1,165                 | 3                     | 132                     | 189                   | 2                     |
| 55 to 64 years .....           | 5,329                      | 15                        | 1,004      | 4,310  | 877                   | 5                     | 98                      | 238                   | 3                     |
| 55 to 59 years .....           | 3,232                      | 7                         | 610        | 2,616  | 487                   | 3                     | 49                      | 118                   | 1                     |
| 60 to 64 years .....           | 2,096                      | 8                         | 394        | 1,694  | 390                   | 2                     | 49                      | 119                   | 2                     |
| 65 years and over .....        | 1,302                      | 10                        | 203        | 1,088  | 415                   | 6                     | 45                      | 194                   | 5                     |
| Women, 16 years and over ..... | 49,057                     | 945                       | 9,353      | 38,758 | 3,043                 | 240                   | 363                     | 236                   | 87                    |
| 16 to 19 years .....           | 3,203                      | 138                       | 182        | 2,883  | 29                    | 6                     | 35                      | 3                     | 6                     |
| 16 to 17 years .....           | 1,230                      | 88                        | 50         | 1,092  | 12                    | 3                     | 12                      | 1                     | 3                     |
| 18 to 19 years .....           | 1,973                      | 50                        | 132        | 1,791  | 18                    | 3                     | 23                      | 2                     | 3                     |
| 20 to 24 years .....           | 5,978                      | 92                        | 616        | 5,270  | 111                   | 7                     | 58                      | 4                     | 5                     |
| 25 to 34 years .....           | 14,170                     | 158                       | 2,307      | 11,705 | 707                   | 45                    | 109                     | 46                    | 14                    |
| 35 to 44 years .....           | 12,268                     | 153                       | 2,984      | 9,130  | 933                   | 78                    | 76                      | 64                    | 22                    |
| 45 to 54 years .....           | 7,876                      | 141                       | 1,976      | 5,758  | 661                   | 59                    | 42                      | 54                    | 19                    |
| 55 to 64 years .....           | 4,421                      | 155                       | 1,065      | 3,200  | 409                   | 34                    | 30                      | 43                    | 14                    |
| 55 to 59 years .....           | 2,664                      | 85                        | 664        | 1,914  | 232                   | 21                    | 16                      | 22                    | 9                     |
| 60 to 64 years .....           | 1,756                      | 70                        | 401        | 1,286  | 177                   | 13                    | 14                      | 21                    | 4                     |
| 65 years and over .....        | 1,142                      | 108                       | 223        | 811    | 192                   | 11                    | 12                      | 22                    | 7                     |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**24. Employed civilians in nonagricultural industries by sex and class of worker**

(In thousands)

| Industry and sex                          | 1989           |                         |            |                    |                       |                       |
|---|----------------|-------------------------|------------|--------------------|-----------------------|-----------------------|
|   | Total employed | Wage and salary workers |            |                    | Self-employed workers | Unpaid family workers |
|   |                | Total                   | Government | Private industries |                       |                       |
| <b>TOTAL</b>                              |                |                         |            |                    |                       |                       |
| Mining .....                              | 719            | 691                     | -          | 690                | 26                    | 2                     |
| Construction .....                        | 7,680          | 6,221                   | 481        | 5,740              | 1,423                 | 36                    |
| Manufacturing .....                       | 21,652         | 21,231                  | 136        | 21,095             | 406                   | 15                    |
| Durable goods .....                       | 12,805         | 12,554                  | 110        | 12,444             | 244                   | 7                     |
| Nondurable goods .....                    | 8,847          | 8,677                   | 26         | 8,651              | 162                   | 8                     |
| Transportation and public utilities ..... | 8,094          | 7,763                   | 1,579      | 6,184              | 323                   | 8                     |
| Wholesale and retail trade .....          | 24,230         | 22,241                  | 100        | 22,141             | 1,882                 | 106                   |
| Wholesale trade .....                     | 4,611          | 4,243                   | 4          | 4,240              | 346                   | 22                    |
| Retail trade .....                        | 19,618         | 17,998                  | 96         | 17,902             | 1,536                 | 84                    |
| Finance, insurance, and real estate ..... | 7,989          | 7,351                   | 199        | 7,152              | 621                   | 16                    |
| Services .....                            | 38,227         | 34,208                  | 9,421      | 24,787             | 3,924                 | 95                    |
| Private households .....                  | 1,108          | 1,101                   | -          | 1,101              | 8                     | -                     |
| Other service industries .....            | 37,118         | 33,107                  | 9,421      | 23,686             | 3,917                 | 95                    |
| Business and repair .....                 | 7,334          | 5,938                   | 91         | 5,848              | 1,357                 | 39                    |
| Personal, except private households ..... | 3,556          | 2,603                   | 15         | 2,588              | 938                   | 14                    |
| Entertainment and recreation .....        | 1,440          | 1,220                   | 180        | 1,040              | 215                   | 5                     |
| Professional .....                        | 24,609         | 23,211                  | 9,074      | 14,137             | 1,362                 | 36                    |
| Hospitals .....                           | 4,568          | 4,562                   | 967        | 3,595              | 6                     | -                     |
| Health services, except hospitals .....   | 4,542          | 4,124                   | 426        | 3,699              | 397                   | 21                    |
| Educational .....                         | 8,909          | 8,806                   | 6,984      | 1,821              | 103                   | -                     |
| Social services .....                     | 2,110          | 1,935                   | 577        | 1,357              | 174                   | 1                     |
| Other .....                               | 4,482          | 3,785                   | 120        | 3,664              | 683                   | 14                    |
| Forestry and fisheries .....              | 179            | 134                     | 61         | 73                 | 44                    | 1                     |
| Public administration .....               | 5,553          | 5,553                   | 5,553      | -                  | -                     | -                     |
| <b>Men</b>                                |                |                         |            |                    |                       |                       |
| Mining .....                              | 602            | 576                     | -          | 576                | 25                    | -                     |
| Construction .....                        | 6,992          | 5,638                   | 435        | 5,203              | 1,350                 | 5                     |
| Manufacturing .....                       | 14,566         | 14,275                  | 100        | 14,175             | 290                   | 2                     |
| Durable goods .....                       | 9,384          | 9,188                   | 83         | 9,105              | 196                   | 1                     |
| Nondurable goods .....                    | 5,181          | 5,087                   | 17         | 5,070              | 94                    | 1                     |
| Transportation and public utilities ..... | 5,800          | 5,524                   | 1,151      | 4,372              | 275                   | 1                     |
| Wholesale and retail trade .....          | 12,795         | 11,668                  | 36         | 11,632             | 1,112                 | 15                    |
| Wholesale trade .....                     | 3,313          | 3,035                   | 3          | 3,033              | 277                   | 1                     |
| Retail trade .....                        | 9,482          | 8,633                   | 34         | 8,599              | 835                   | 14                    |
| Finance, insurance, and real estate ..... | 3,247          | 2,825                   | 103        | 2,723              | 420                   | 1                     |
| Services .....                            | 14,627         | 12,523                  | 3,118      | 9,405              | 2,090                 | 14                    |
| Private households .....                  | 160            | 156                     | -          | 156                | 4                     | -                     |
| Other service industries .....            | 14,468         | 12,368                  | 3,118      | 9,250              | 2,086                 | 14                    |
| Business and repair .....                 | 4,428          | 3,536                   | 53         | 3,483              | 885                   | 7                     |
| Personal, except private households ..... | 1,154          | 944                     | 4          | 940                | 207                   | 3                     |
| Entertainment and recreation .....        | 859            | 706                     | 108        | 598                | 152                   | 1                     |
| Professional .....                        | 7,886          | 7,081                   | 2,909      | 4,172              | 802                   | 2                     |
| Hospitals .....                           | 1,054          | 1,050                   | 313        | 738                | 4                     | -                     |
| Health services, except hospitals .....   | 1,048          | 758                     | 104        | 655                | 289                   | 1                     |
| Educational .....                         | 2,983          | 2,955                   | 2,263      | 692                | 28                    | -                     |
| Social services .....                     | 461            | 449                     | 159        | 289                | 12                    | -                     |
| Other .....                               | 2,340          | 1,869                   | 70         | 1,799              | 469                   | 1                     |
| Forestry and fisheries .....              | 141            | 101                     | 44         | 57                 | 40                    | 1                     |
| Public administration .....               | 3,173          | 3,173                   | 3,173      | -                  | -                     | -                     |
| <b>Women</b>                              |                |                         |            |                    |                       |                       |
| Mining .....                              | 117            | 114                     | -          | 114                | -                     | 2                     |
| Construction .....                        | 687            | 584                     | 46         | 538                | 72                    | 31                    |
| Manufacturing .....                       | 7,086          | 6,956                   | 36         | 6,920              | 116                   | 14                    |
| Durable goods .....                       | 3,420          | 3,366                   | 27         | 3,339              | 49                    | 6                     |
| Nondurable goods .....                    | 3,666          | 3,590                   | 9          | 3,581              | 68                    | 8                     |
| Transportation and public utilities ..... | 2,294          | 2,239                   | 428        | 1,812              | 48                    | 7                     |
| Wholesale and retail trade .....          | 11,435         | 10,573                  | 63         | 10,510             | 770                   | 91                    |
| Wholesale trade .....                     | 1,299          | 1,208                   | 1          | 1,207              | 69                    | 21                    |
| Retail trade .....                        | 10,136         | 9,365                   | 62         | 9,303              | 701                   | 70                    |
| Finance, insurance, and real estate ..... | 4,742          | 4,526                   | 96         | 4,429              | 201                   | 15                    |
| Services .....                            | 23,599         | 21,684                  | 6,303      | 15,382             | 1,835                 | 80                    |
| Private households .....                  | 949            | 945                     | -          | 945                | 4                     | -                     |
| Other service industries .....            | 22,651         | 20,739                  | 6,303      | 14,436             | 1,831                 | 81                    |
| Business and repair .....                 | 2,906          | 2,402                   | 38         | 2,364              | 472                   | 32                    |
| Personal, except private households ..... | 2,402          | 1,659                   | 11         | 1,649              | 731                   | 11                    |
| Entertainment and recreation .....        | 581            | 514                     | 72         | 443                | 63                    | 3                     |
| Professional .....                        | 16,724         | 16,130                  | 6,165      | 9,965              | 560                   | 34                    |
| Hospitals .....                           | 3,514          | 3,512                   | 654        | 2,857              | 2                     | -                     |
| Health services, except hospitals .....   | 3,494          | 3,366                   | 322        | 3,044              | 107                   | 20                    |
| Educational .....                         | 5,926          | 5,851                   | 4,721      | 1,130              | 75                    | -                     |
| Social services .....                     | 1,648          | 1,486                   | 418        | 1,068              | 162                   | -                     |
| Other .....                               | 2,142          | 1,916                   | 50         | 1,865              | 213                   | 13                    |
| Forestry and fisheries .....              | 38             | 33                      | 18         | 16                 | 5                     | -                     |
| Public administration .....               | 2,381          | 2,381                   | 2,381      | -                  | -                     | -                     |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**28. Employed civilians by detailed industry, sex, race, and Hispanic origin**

(Numbers in thousands)

| Industry  | 1989           |                   |       |                 |
|---|----------------|-------------------|-------|-----------------|
|   | Total employed | Percent of total: |       |                 |
|   |                | Women             | Black | Hispanic origin |
| Total, 16 years and over .....  | 117,342        | 45.2              | 10.2  | 7.3             |
| <b>Agriculture</b> .....  | 3,199          | 21.5              | 4.7   | 13.8            |
| Agricultural production, crops .....  | 1,028          | 17.2              | 6.1   | 19.4            |
| Agricultural production, livestock .....                                      | 1,228          | 22.8              | 2.4   | 5.2             |
| Agricultural services, except horticultural .....                             | 320            | 51.1              | 4.8   | 15.1            |
| Horticultural services .....  | 624            | 10.6              | 6.9   | 20.6            |
| <b>Mining</b> .....   | 719            | 16.3              | 4.1   | 5.4             |
| Metal mining .....  | 67             | 13.2              | .4    | 9.1             |
| Coal mining .....   | 154            | 6.3               | 2.3   | .2              |
| Crude petroleum and natural gas extraction .....                              | 383            | 22.9              | 4.0   | 6.6             |
| Nonmetallic mining and quarrying, except fuel .....                           | 115            | 9.4               | 9.1   | 6.0             |
| <b>Construction</b> .....   | 7,680          | 8.9               | 6.7   | 8.0             |
| <b>Manufacturing</b> .....  | 21,652         | 32.7              | 10.1  | 8.6             |
| Durable goods .....   | 12,805         | 26.7              | 8.6   | 7.7             |
| Lumber and wood products, except furniture .....                              | 792            | 15.6              | 14.7  | 5.7             |
| Logging .....   | 151            | 2.4               | 18.2  | 1.0             |
| Sawmills, planing mills, and millwork .....                                   | 426            | 16.9              | 16.4  | 4.8             |
| Wood buildings and mobile homes .....   | 60             | 14.8              | 7.2   | 4.4             |
| Miscellaneous wood products .....   | 156            | 25.1              | 9.6   | 13.5            |
| Furniture and fixtures .....  | 664            | 29.5              | 6.4   | 13.3            |
| Stone, clay, glass, and concrete products .....                               | 640            | 20.1              | 8.6   | 9.3             |
| Glass and glass products .....  | 190            | 30.0              | 11.4  | 6.9             |
| Cement, concrete, gypsum, and plaster products .....                          | 217            | 7.0               | 8.1   | 10.2            |
| Structural clay, pottery, and related products .....                          | 92             | 22.9              | 9.6   | 12.6            |
| Miscellaneous nonmetallic mineral and stone products .....                    | 141            | 25.3              | 4.7   | 8.9             |
| Primary metal industries .....  | 838            | 12.9              | 11.5  | 7.7             |
| Blast furnaces, steelworks, rolling, and finishing mills .....                | 387            | 8.2               | 13.5  | 9.0             |
| Iron and steel foundries .....  | 130            | 10.0              | 12.9  | 7.2             |
| Primary aluminum industries .....   | 133            | 16.4              | 9.3   | 6.5             |
| Other primary metal industries .....  | 188            | 21.9              | 7.8   | 6.5             |
| Fabricated metal industries .....   | 1,319          | 22.2              | 7.9   | 9.1             |
| Cutlery, hand tools, and other hardware .....                                 | 131            | 38.2              | 10.5  | 8.9             |
| Fabricated structural metal products .....                                    | 508            | 15.9              | 7.6   | 7.6             |
| Screw machine products .....  | 69             | 24.0              | 5.6   | 14.1            |
| Metal forging and stampings .....   | 144            | 25.1              | 3.7   | 5.6             |
| Ordnance .....  | 90             | 24.5              | 7.2   | 3.9             |
| Miscellaneous and not specified fabricated metal products .....               | 378            | 23.2              | 9.4   | 13.1            |
| Machinery, except electrical .....  | 2,587          | 24.0              | 5.5   | 6.0             |
| Engines and turbines .....  | 93             | 20.4              | 5.0   | 2.6             |
| Farm machinery and equipment .....  | 96             | 18.8              | 10.0  | 3.3             |
| Construction and material handling machines .....                             | 227            | 14.0              | 6.2   | 4.0             |
| Metal working machinery .....   | 307            | 19.8              | 3.4   | 6.2             |
| Office and accounting machines .....  | 101            | 29.2              | 7.0   | 7.8             |
| Electronic computing equipment .....  | 685            | 34.0              | 5.9   | 6.6             |
| Machinery, except electrical, n.e.c. and not specified .....                  | 1,078          | 21.1              | 5.1   | 6.5             |
| Electrical machinery, equipment and supplies .....                            | 2,067          | 40.7              | 7.6   | 7.7             |
| Household appliances .....  | 167            | 37.2              | 10.0  | 5.5             |
| Radio, T.V., and communication equipment .....                                | 471            | 36.1              | 7.0   | 6.6             |
| Electrical machinery, equipment, and supplies, n.e.c. and not specified ..... | 1,429          | 42.7              | 7.6   | 8.3             |
| Transportation equipment .....  | 2,638          | 21.0              | 11.4  | 6.1             |
| Motor vehicles and motor vehicle equipment .....                              | 1,196          | 20.5              | 14.9  | 4.3             |
| Aircraft and parts .....  | 624            | 23.2              | 8.2   | 9.3             |
| Ship and boat building and repairing .....                                    | 294            | 14.1              | 16.4  | 4.7             |
| Guided missiles, space vehicles, and parts .....                              | 432            | 23.5              | 4.5   | 6.1             |
| Cycles and miscellaneous transportation equipment .....                       | 67             | 28.6              | 6.3   | 12.9            |
| Professional and photographic equipment, and watches .....                    | 675            | 42.6              | 5.9   | 8.3             |
| Scientific and controlling instruments .....                                  | 224            | 37.2              | 3.7   | 5.4             |
| Optical and health services supplies .....                                    | 306            | 50.9              | 6.6   | 11.4            |
| Photographic equipment and supplies .....                                     | 133            | 30.8              | 7.9   | 5.8             |
| Toys, amusements, and sporting goods .....                                    | 133            | 49.2              | 9.5   | 13.8            |
| Miscellaneous and not specified manufacturing industries .....                | 451            | 44.7              | 8.6   | 13.8            |
| Nondurable goods .....  | 8,847          | 41.4              | 12.2  | 9.8             |
| Food and kindred products .....   | 1,821          | 32.7              | 13.9  | 12.8            |
| Meat products .....   | 456            | 37.6              | 23.8  | 14.9            |
| Dairy products .....  | 208            | 21.9              | 4.4   | 5.9             |

See footnotes at end of table.

27. Employed civilians in nonagricultural industries by sex, age, and race

(In thousands)

| Sex, age, and race                    | 1989   |              |               |               |                   |                                     |                            |                                     |                       |                       |
|---------------------------------------|--------|--------------|---------------|---------------|-------------------|-------------------------------------|----------------------------|-------------------------------------|-----------------------|-----------------------|
|                                       | Mining | Construction | Manufacturing |               |                   | Transportation and public utilities | Wholesale and retail trade | Finance, insurance, and real estate | Services <sup>1</sup> | Public administration |
|                                       |        |              | Total         | Durable goods | Non-durable goods |                                     |                            |                                     |                       |                       |
| <b>TOTAL</b>                          |        |              |               |               |                   |                                     |                            |                                     |                       |                       |
| Total, 16 years and over .....        | 719    | 7,680        | 21,652        | 12,805        | 8,847             | 8,094                               | 24,230                     | 7,988                               | 37,118                | 5,553                 |
| 16 to 19 years .....                  | 8      | 304          | 514           | 253           | 261               | 143                                 | 3,574                      | 213                                 | 1,499                 | 72                    |
| 20 years and over .....               | 711    | 7,375        | 21,138        | 12,552        | 8,586             | 7,951                               | 20,656                     | 7,776                               | 35,619                | 5,481                 |
| 20 to 24 years .....                  | 38     | 913          | 2,049         | 1,128         | 921               | 656                                 | 3,833                      | 933                                 | 3,727                 | 340                   |
| 25 years and over .....               | 674    | 6,462        | 19,090        | 11,424        | 7,665             | 7,295                               | 16,823                     | 6,843                               | 31,892                | 5,141                 |
| 25 to 54 years .....                  | 586    | 5,630        | 16,461        | 9,902         | 6,558             | 6,406                               | 14,157                     | 5,780                               | 26,913                | 4,434                 |
| 55 years and over .....               | 88     | 832          | 2,629         | 1,522         | 1,107             | 889                                 | 2,666                      | 1,063                               | 4,979                 | 707                   |
| <b>Men, 16 years and over</b> .....   | 602    | 6,992        | 14,566        | 9,384         | 5,181             | 5,800                               | 12,795                     | 3,247                               | 14,468                | 3,173                 |
| 16 to 19 years .....                  | 5      | 281          | 335           | 185           | 150               | 101                                 | 1,766                      | 61                                  | 644                   | 33                    |
| 20 years and over .....               | 597    | 6,711        | 14,231        | 9,199         | 5,032             | 5,699                               | 11,029                     | 3,186                               | 13,823                | 3,140                 |
| 20 to 24 years .....                  | 30     | 842          | 1,309         | 780           | 529               | 431                                 | 1,963                      | 265                                 | 1,475                 | 168                   |
| 25 years and over .....               | 567    | 5,868        | 12,922        | 8,419         | 4,503             | 5,267                               | 9,066                      | 2,921                               | 12,348                | 2,971                 |
| 25 to 54 years .....                  | 489    | 5,113        | 11,126        | 7,280         | 3,846             | 4,578                               | 7,650                      | 2,342                               | 10,147                | 2,578                 |
| 55 years and over .....               | 78     | 755          | 1,796         | 1,139         | 657               | 689                                 | 1,416                      | 579                                 | 2,201                 | 393                   |
| <b>Women, 16 years and over</b> ..... | 117    | 687          | 7,086         | 3,420         | 3,666             | 2,294                               | 11,435                     | 4,742                               | 22,651                | 2,381                 |
| 16 to 19 years .....                  | 3      | 23           | 179           | 67            | 111               | 42                                  | 1,808                      | 152                                 | 855                   | 39                    |
| 20 years and over .....               | 115    | 664          | 6,907         | 3,353         | 3,555             | 2,252                               | 9,627                      | 4,590                               | 21,796                | 2,342                 |
| 20 to 24 years .....                  | 8      | 71           | 740           | 347           | 392               | 225                                 | 1,870                      | 668                                 | 2,251                 | 171                   |
| 25 years and over .....               | 107    | 594          | 6,168         | 3,006         | 3,162             | 2,026                               | 7,757                      | 3,922                               | 19,544                | 2,170                 |
| 25 to 54 years .....                  | 97     | 517          | 5,335         | 2,623         | 2,712             | 1,827                               | 6,507                      | 3,438                               | 16,766                | 1,856                 |
| 55 years and over .....               | 10     | 77           | 833           | 383           | 450               | 199                                 | 1,250                      | 484                                 | 2,778                 | 314                   |
| <b>White</b>                          |        |              |               |               |                   |                                     |                            |                                     |                       |                       |
| Men, 16 years and over .....          | 572    | 6,366        | 12,797        | 8,332         | 4,465             | 4,862                               | 11,234                     | 2,896                               | 12,445                | 2,707                 |
| 16 to 19 years .....                  | 5      | 265          | 302           | 170           | 132               | 82                                  | 1,541                      | 53                                  | 548                   | 27                    |
| 20 years and over .....               | 568    | 6,101        | 12,495        | 8,162         | 4,333             | 4,780                               | 9,693                      | 2,843                               | 11,896                | 2,680                 |
| 20 to 24 years .....                  | 28     | 778          | 1,138         | 691           | 446               | 352                                 | 1,677                      | 220                                 | 1,216                 | 135                   |
| 25 years and over .....               | 540    | 5,323        | 11,357        | 7,471         | 3,866             | 4,427                               | 8,017                      | 2,623                               | 10,680                | 2,545                 |
| 25 to 54 years .....                  | 466    | 4,637        | 9,729         | 6,429         | 3,300             | 3,837                               | 6,724                      | 2,080                               | 8,721                 | 2,199                 |
| 55 years and over .....               | 74     | 686          | 1,628         | 1,042         | 586               | 590                                 | 1,293                      | 543                                 | 1,959                 | 346                   |
| Women, 16 years and over .....        | 105    | 649          | 5,939         | 2,939         | 3,001             | 1,870                               | 10,142                     | 4,163                               | 19,185                | 1,846                 |
| 16 to 19 years .....                  | 2      | 22           | 155           | 60            | 94                | 36                                  | 1,580                      | 134                                 | 756                   | 28                    |
| 20 years and over .....               | 103    | 627          | 5,785         | 2,878         | 2,907             | 1,834                               | 8,562                      | 4,029                               | 18,429                | 1,818                 |
| 20 to 24 years .....                  | 6      | 66           | 618           | 296           | 322               | 184                                 | 1,621                      | 574                                 | 1,905                 | 129                   |
| 25 years and over .....               | 96     | 561          | 5,167         | 2,583         | 2,585             | 1,650                               | 6,941                      | 3,455                               | 16,523                | 1,689                 |
| 25 to 54 years .....                  | 87     | 488          | 4,417         | 2,236         | 2,181             | 1,473                               | 5,775                      | 2,997                               | 14,125                | 1,426                 |
| 55 years and over .....               | 9      | 73           | 750           | 347           | 404               | 177                                 | 1,166                      | 458                                 | 2,398                 | 263                   |
| <b>Black</b>                          |        |              |               |               |                   |                                     |                            |                                     |                       |                       |
| Men, 16 years and over .....          | 21     | 491          | 1,346         | 770           | 576               | 783                                 | 1,090                      | 242                                 | 1,434                 | 367                   |
| 16 to 19 years .....                  | -      | 12           | 26            | 11            | 14                | 16                                  | 174                        | 7                                   | 77                    | 4                     |
| 20 years and over .....               | 21     | 479          | 1,321         | 759           | 561               | 767                                 | 916                        | 236                                 | 1,357                 | 363                   |
| 20 to 24 years .....                  | 2      | 53           | 134           | 68            | 67                | 66                                  | 223                        | 33                                  | 191                   | 28                    |
| 25 years and over .....               | 18     | 426          | 1,187         | 692           | 495               | 702                                 | 694                        | 202                                 | 1,166                 | 335                   |
| 25 to 54 years .....                  | 15     | 370          | 1,048         | 608           | 440               | 615                                 | 616                        | 175                                 | 988                   | 304                   |
| 55 years and over .....               | 3      | 56           | 139           | 84            | 55                | 87                                  | 78                         | 27                                  | 178                   | 31                    |
| Women, 16 years and over .....        | 9      | 23           | 844           | 336           | 507               | 359                                 | 918                        | 427                                 | 2,726                 | 455                   |
| 16 to 19 years .....                  | -      | 1            | 18            | 4             | 14                | 5                                   | 174                        | 12                                  | 72                    | 10                    |
| 20 years and over .....               | 9      | 23           | 826           | 333           | 493               | 354                                 | 744                        | 415                                 | 2,654                 | 445                   |
| 20 to 24 years .....                  | 1      | 3            | 85            | 33            | 52                | 37                                  | 191                        | 78                                  | 277                   | 37                    |
| 25 years and over .....               | 7      | 19           | 740           | 300           | 441               | 317                                 | 553                        | 337                                 | 2,376                 | 408                   |
| 25 to 54 years .....                  | 7      | 17           | 686           | 275           | 412               | 301                                 | 506                        | 321                                 | 2,060                 | 368                   |
| 55 years and over .....               | -      | 2            | 54            | 25            | 29                | 16                                  | 47                         | 16                                  | 316                   | 40                    |

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



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**26. Employed civilians by industry, race, and occupation**

(In thousands)

| Industry and race                         | 1989           |   |                        |  |       |  |                   |                            |   |   |                                    |   |                                |
|---|----------------|---|------------------------|--|-------|--|-------------------|----------------------------|---|---|------------------------------------|---|--------------------------------|
|   | Total employed | Managerial and professional specialty     |                        | Technical, sales, and administrative support |       |  | Service           |                            | 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 <sup>1</sup> |   | Machine operators, assemblers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers |                                |
| <b>WHITE</b>                              |                |   |                        |  |       |  |                   |                            |   |   |                                    |   |                                |
| Agriculture .....                         | 2,996          | 74  | 69                     | 28   | 21    | 107  | -                 | 16                         | 40                                      | 9   | 42                                 | 18  | 2,572                          |
| Mining .....                              | 677            | 100                                       | 61                     | 30   | 9     | 76   | -                 | 7                          | 217                                     | 30  | 118                                | 28  | 1                              |
| Construction .....                        | 7,015          | 990                                       | 132                    | 49   | 65    | 416  | -                 | 27                         | 4,050                                   | 106   | 473                                | 691   | 16                             |
| Manufacturing .....                       | 18,736         | 2,439                                     | 1,657                  | 648  | 711   | 2,138                                      | -                 | 286                        | 3,613                                   | 5,507   | 705                                | 959   | 74                             |
| Durable goods .....                       | 11,271         | 1,478                                     | 1,112                  | 456  | 309   | 1,199                                      | -                 | 159                        | 2,520                                   | 3,107   | 373                                | 491   | 67                             |
| Nondurable goods .....                    | 7,465          | 960                                       | 545                    | 192  | 402   | 939  | -                 | 127                        | 1,093                                   | 2,400   | 332                                | 468   | 6                              |
| Transportation and public utilities ..... | 6,732          | 844                                       | 426                    | 246  | 308   | 1,710                                      | -                 | 200                        | 1,105                                   | 99  | 1,434                              | 350   | 10                             |
| Wholesale and retail trade .....          | 21,376         | 1,851                                     | 404                    | 107  | 9,078 | 2,140                                      | -                 | 3,731                      | 1,409                                   | 279   | 830                                | 1,515   | 33                             |
| Wholesale trade .....                     | 4,212          | 475                                       | 78                     | 37   | 1,745 | 729  | -                 | 36                         | 292                                     | 116   | 400                                | 292   | 12                             |
| Retail trade .....                        | 17,164         | 1,376                                     | 326                    | 70   | 7,333 | 1,411                                      | -                 | 3,695                      | 1,117                                   | 163   | 430                                | 1,222   | 20                             |
| Finance, insurance, and real estate ..... | 7,059          | 1,927                                     | 188                    | 122  | 1,740 | 2,644                                      | -                 | 214                        | 115                                     | 16  | 12                                 | 20  | 59                             |
| Services .....                            | 32,440         | 4,290                                     | 10,287                 | 1,680  | 789   | 5,386                                      | 628               | 6,010                      | 1,618                                   | 654   | 423                                | 335   | 340                            |
| Private households .....                  | 810            | 3   | 6                      | 3  | 1     | 8  | 628               | 62                         | 10                                      | 1   | 4                                  | 17  | 66                             |
| Other service industries .....            | 31,630         | 4,287                                     | 10,281                 | 1,676  | 788   | 5,378                                      | -                 | 5,948                      | 1,607                                   | 653   | 419                                | 318   | 274                            |
| Professional services .....               | 20,900         | 2,369                                     | 9,059                  | 1,347  | 125   | 3,860                                      | -                 | 3,236                      | 326                                     | 185   | 235                                | 82  | 74                             |
| Public administration .....               | 4,553          | 1,040                                     | 680                    | 216  | 19    | 1,134                                      | -                 | 1,117                      | 201                                     | 23  | 42                                 | 35  | 45                             |
| <b>BLACK</b>                              |                |   |                        |  |       |  |                   |                            |   |   |                                    |   |                                |
| Agriculture .....                         | 150            | 2   | -                      | -  | -     | 4  | -                 | 2                          | 3                                       | 2   | 8                                  | 3   | 126                            |
| Mining .....                              | 30             | 2   | 2                      | -  | -     | 4  | -                 | 1                          | 12                                      | 4   | 4                                  | 2   | -                              |
| Construction .....                        | 515            | 18  | 7                      | 4  | 1     | 18   | -                 | 8                          | 275                                     | 6   | 50                                 | 128   | 1                              |
| Manufacturing .....                       | 2,190          | 77  | 64                     | 48   | 31    | 198  | -                 | 56                         | 360                                     | 997   | 129                                | 214   | 15                             |
| Durable goods .....                       | 1,107          | 38  | 41                     | 27   | 7     | 92   | -                 | 28                         | 216                                     | 492   | 68                                 | 85  | 14                             |
| Nondurable goods .....                    | 1,083          | 39  | 23                     | 20   | 24    | 106  | -                 | 28                         | 144                                     | 505   | 62                                 | 130   | 1                              |
| Transportation and public utilities ..... | 1,142          | 64  | 35                     | 22   | 33    | 377  | -                 | 56                         | 131                                     | 21  | 281                                | 120   | 3                              |
| Wholesale and retail trade .....          | 2,008          | 108                                       | 19                     | 8  | 688   | 182  | -                 | 500                        | 99                                      | 35  | 126                                | 241   | 3                              |
| Wholesale trade .....                     | 277            | 14  | 6                      | 1  | 57    | 46   | -                 | 5                          | 21                                      | 16  | 65                                 | 44  | 1                              |
| Retail trade .....                        | 1,731          | 94  | 13                     | 6  | 630   | 135  | -                 | 495                        | 78                                      | 19  | 62                                 | 197   | 1                              |
| Finance, insurance, and real estate ..... | 669            | 118                                       | 10                     | 8  | 80    | 365  | -                 | 52                         | 22                                      | 2   | 3                                  | 4   | 4                              |
| Services .....                            | 4,427          | 307                                       | 810                    | 228  | 70    | 665  | 219               | 1,620                      | 160                                     | 129   | 95                                 | 73  | 51                             |
| Private households .....                  | 267            | -   | 1                      | 1  | -     | 1  | 219               | 23                         | 2                                       | -   | 1                                  | 3   | 16                             |
| Other service industries .....            | 4,160          | 307                                       | 809                    | 226  | 70    | 664  | -                 | 1,597                      | 158                                     | 129   | 95                                 | 70  | 34                             |
| Professional services .....               | -              | 193                                       | 740                    | 195  | 14    | 486  | -                 | 1,031                      | 50                                      | 37  | 54                                 | 14  | 14                             |
| Public administration .....               | 822            | 144                                       | 75                     | 29   | 3     | 282  | -                 | 216                        | 28                                      | 6   | 16                                 | 16  | 8                              |

<sup>1</sup> Includes protective service, not shown separately.

25. Employed civilians by industry, sex, and occupation

(In thousands)

| Industry and sex                          | 1989           |   |                        |  |        |  |                   |                            |   |   |                                    |   |                                |
|---|----------------|---|------------------------|--|--------|--|-------------------|----------------------------|---|---|------------------------------------|---|--------------------------------|
|   | Total employed | Managerial and professional specialty     |                        | Technical, sales, and administrative support |        |  | Service           |                            | 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 <sup>1</sup> |   | Machine operators, assemblers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers |                                |
| <b>TOTAL</b>                              |                |   |                        |  |        |  |                   |                            |   |   |                                    |   |                                |
| Agriculture .....                         | 3,199          | 78  | 72                     | 29   | 21     | 114  | -                 | 18                         | 45                                      | 11  | 51                                 | 22  | 2,738                          |
| Mining .....                              | 719            | 105                                       | 63                     | 31   | 9      | 81   | -                 | 9                          | 232                                     | 34  | 123                                | 30  | 1                              |
| Construction .....                        | 7,680          | 1,024                                     | 145                    | 54   | 66     | 444  | -                 | 35                         | 4,410                                   | 114   | 533                                | 837   | 17                             |
| Manufacturing .....                       | 21,652         | 2,576                                     | 1,807                  | 739  | 758    | 2,394                                      | -                 | 350                        | 4,109                                   | 6,774   | 846                                | 1,208   | 91                             |
| Durable goods .....                       | 12,805         | 1,550                                     | 1,222                  | 519  | 321    | 1,322                                      | -                 | 193                        | 2,830                                   | 3,729   | 445                                | 590   | 84                             |
| Nondurable goods .....                    | 8,847          | 1,026                                     | 586                    | 220  | 437    | 1,072                                      | -                 | 158                        | 1,279                                   | 3,045   | 401                                | 619   | 7                              |
| Transportation and public utilities ..... | 8,094          | 934                                       | 477                    | 276  | 349    | 2,162                                      | -                 | 269                        | 1,260                                   | 122   | 1,748                              | 483   | 13                             |
| Wholesale and retail trade .....          | 24,230         | 2,046                                     | 440                    | 118  | 10,082 | 2,386                                      | -                 | 4,469                      | 1,548                                   | 326   | 972                                | 1,806   | 37                             |
| Wholesale trade .....                     | 4,611          | 510                                       | 89                     | 40   | 1,844  | 798  | -                 | 44                         | 322                                     | 136   | 472                                | 343   | 14                             |
| Retail trade .....                        | 19,618         | 1,535                                     | 352                    | 78   | 8,237  | 1,587                                      | -                 | 4,426                      | 1,226                                   | 190   | 500                                | 1,463   | 23                             |
| Finance, insurance, and real estate ..... | 7,989          | 2,115                                     | 205                    | 140  | 1,865  | 3,121                                      | -                 | 274                        | 142                                     | 20  | 16                                 | 25  | 65                             |
| Services .....                            | 38,227         | 4,748                                     | 11,560                 | 2,008  | 890    | 6,243                                      | 872               | 7,899                      | 1,833                                   | 817   | 533                                | 421   | 403                            |
| Private households .....                  | 1,108          | 3   | 7                      | 5  | 1      | 10   | 872               | 87                         | 13                                      | 1   | 5                                  | 21  | 84                             |
| Other service industries .....            | 37,118         | 4,744                                     | 11,553                 | 2,003  | 889    | 6,233                                      | -                 | 7,813                      | 1,820                                   | 816   | 528                                | 400   | 319                            |
| Professional services .....               | 24,609         | 2,640                                     | 10,215                 | 1,624  | 142    | 4,490                                      | -                 | 4,397                      | 391                                     | 226   | 295                                | 100   | 90                             |
| Public administration .....               | 5,553          | 1,222                                     | 780                    | 250  | 24     | 1,473                                      | -                 | 1,359                      | 239                                     | 30  | 63                                 | 56  | 56                             |
| <b>Men</b>                                |                |   |                        |  |        |  |                   |                            |   |   |                                    |   |                                |
| Agriculture .....                         | 2,513          | 58  | 47                     | 11   | 14     | 10   | -                 | 10                         | 45                                      | 10  | 48                                 | 18  | 2,242                          |
| Mining .....                              | 602            | 82  | 53                     | 23   | 8      | 21   | -                 | 6                          | 228                                     | 30  | 122                                | 28  | 1                              |
| Construction .....                        | 6,992          | 892                                       | 133                    | 48   | 53     | 49   | -                 | 24                         | 4,330                                   | 110   | 526                                | 812   | 16                             |
| Manufacturing .....                       | 14,566         | 1,904                                     | 1,420                  | 568  | 509    | 722  | -                 | 275                        | 3,443                                   | 3,957   | 807                                | 872   | 89                             |
| Durable goods .....                       | 9,384          | 1,175                                     | 1,045                  | 414  | 250    | 429  | -                 | 158                        | 2,391                                   | 2,547   | 427                                | 466   | 82                             |
| Nondurable goods .....                    | 5,181          | 729                                       | 375                    | 154  | 258    | 293  | -                 | 118                        | 1,051                                   | 1,411   | 380                                | 406   | 7                              |
| Transportation and public utilities ..... | 5,800          | 651                                       | 368                    | 226  | 136    | 901  | -                 | 148                        | 1,196                                   | 104   | 1,611                              | 446   | 12                             |
| Wholesale and retail trade .....          | 12,795         | 1,176                                     | 224                    | 60   | 4,927  | 497  | -                 | 2,004                      | 1,366                                   | 180   | 909                                | 1,426   | 26                             |
| Wholesale trade .....                     | 3,313          | 343                                       | 63                     | 29   | 1,515  | 181  | -                 | 32                         | 309                                     | 86  | 458                                | 286   | 11                             |
| Retail trade .....                        | 9,482          | 833                                       | 162                    | 32   | 3,412  | 316  | -                 | 1,972                      | 1,057                                   | 94  | 451                                | 1,140   | 15                             |
| Finance, insurance, and real estate ..... | 3,247          | 1,066                                     | 107                    | 63   | 1,111  | 463  | -                 | 193                        | 136                                     | 14  | 14                                 | 23  | 58                             |
| Services .....                            | 14,627         | 2,412                                     | 4,862                  | 731  | 358    | 726  | 36                | 2,351                      | 1,657                                   | 449   | 345                                | 340   | 361                            |
| Private households .....                  | 160            | 2   | 1                      | 1  | -      | 2  | 36                | 7                          | 10                                      | -   | 4                                  | 20  | 77                             |
| Other service industries .....            | 14,468         | 2,410                                     | 4,862                  | 730  | 358    | 724  | -                 | 2,344                      | 1,647                                   | 448   | 341                                | 320   | 284                            |
| Professional services .....               | 7,886          | 1,129                                     | 4,081                  | 466  | 37     | 400  | -                 | 1,063                      | 335                                     | 102   | 126                                | 71  | 77                             |
| Public administration .....               | 3,173          | 703                                       | 492                    | 159  | 8      | 286  | -                 | 1,118                      | 227                                     | 25  | 55                                 | 47  | 52                             |
| <b>Women</b>                              |                |   |                        |  |        |  |                   |                            |   |   |                                    |   |                                |
| Agriculture .....                         | 687            | 20  | 25                     | 18   | 7      | 104  | -                 | 8                          | -                                       | 1   | 3                                  | 4   | 496                            |
| Mining .....                              | 117            | 23  | 10                     | 8  | 1      | 60   | -                 | 2                          | 5                                       | 4   | 2                                  | 2   | -                              |
| Construction .....                        | 687            | 132                                       | 12                     | 6  | 13     | 395  | -                 | 11                         | 80                                      | 3   | 7                                  | 25  | 2                              |
| Manufacturing .....                       | 7,086          | 672                                       | 387                    | 171  | 249    | 1,672                                      | -                 | 75                         | 666                                     | 2,816   | 39                                 | 336   | 1                              |
| Durable goods .....                       | 3,420          | 376                                       | 177                    | 105  | 71     | 892  | -                 | 35                         | 439                                     | 1,182   | 18                                 | 124   | 1                              |
| Nondurable goods .....                    | 3,666          | 296                                       | 210                    | 66   | 179    | 780  | -                 | 40                         | 227                                     | 1,634   | 21                                 | 213   | -                              |
| Transportation and public utilities ..... | 2,294          | 282                                       | 109                    | 51   | 213    | 1,260                                      | -                 | 122                        | 64                                      | 19  | 137                                | 37  | -                              |
| Wholesale and retail trade .....          | 11,435         | 870                                       | 216                    | 58   | 5,155  | 1,889                                      | -                 | 2,466                      | 182                                     | 146   | 63                                 | 379   | 11                             |
| Wholesale trade .....                     | 1,299          | 167                                       | 26                     | 11   | 330    | 617  | -                 | 12                         | 12                                      | 50  | 14                                 | 56  | 3                              |
| Retail trade .....                        | 10,136         | 703                                       | 190                    | 47   | 4,825  | 1,271                                      | -                 | 2,453                      | 169                                     | 96  | 49                                 | 323   | 8                              |
| Finance, insurance, and real estate ..... | 4,742          | 1,049                                     | 98                     | 78   | 754    | 2,658                                      | -                 | 81                         | 6                                       | 6   | 2                                  | 2   | 7                              |
| Services .....                            | 23,599         | 2,336                                     | 6,698                  | 1,277  | 532    | 5,517                                      | 836               | 5,548                      | 175                                     | 368   | 188                                | 81  | 42                             |
| Private households .....                  | 949            | 2   | 7                      | 4  | 1      | 9  | 836               | 79                         | 2                                       | 1   | 1                                  | 1   | 7                              |
| Other service industries .....            | 22,651         | 2,334                                     | 6,691                  | 1,273  | 532    | 5,508                                      | -                 | 5,468                      | 173                                     | 368   | 187                                | 80  | 35                             |
| Professional services .....               | 16,724         | 1,512                                     | 6,134                  | 1,157  | 105    | 4,089                                      | -                 | 3,334                      | 56                                      | 124   | 170                                | 29  | 13                             |
| Public administration .....               | 2,381          | 519                                       | 288                    | 91   | 16     | 1,186                                      | -                 | 242                        | 12                                      | 5   | 8                                  | 9   | 4                              |

<sup>1</sup> Includes protective service, not shown separately.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Industry   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Canned and preserved fruits and vegetables .....                             | 239            | 42.4              | 9.9   | 19.0            |
| Grain mill products .....  | 147            | 25.7              | 8.7   | 7.5             |
| Bakery products .....  | 233            | 29.6              | 12.7  | 11.3            |
| Sugar and confectionary products .....                                       | 111            | 45.1              | 18.4  | 14.7            |
| Beverage industries .....  | 219            | 18.6              | 9.4   | 7.3             |
| Miscellaneous and not specified food preparations and kindred products ..... | 209            | 37.9              | 13.9  | 17.6            |
| Tobacco manufactures .....   | 54             | 32.6              | 23.9  | 3.3             |
| Textile mill products .....  | 688            | 46.4              | 24.7  | 4.2             |
| Knitting mills .....   | 127            | 67.9              | 17.3  | 6.9             |
| Floor coverings, except hard surface .....                                   | 63             | 49.5              | 32.5  | 4.4             |
| Yarn, thread, and fabric mills .....   | 427            | 41.3              | 26.6  | 3.2             |
| Apparel and other finished textile products .....                            | 1,172          | 76.1              | 14.5  | 20.8            |
| Apparel and accessories, except knit .....                                   | 1,008          | 77.8              | 14.0  | 21.5            |
| Miscellaneous fabricated textile products .....                              | 164            | 65.8              | 17.8  | 16.3            |
| Paper and allied products .....  | 749            | 24.6              | 11.6  | 7.1             |
| Pulp, paper, and paperboard mills .....                                      | 349            | 17.2              | 10.2  | 2.6             |
| Miscellaneous paper and pulp products .....                                  | 197            | 35.2              | 11.6  | 11.4            |
| Paperboard containers and boxes .....  | 203            | 27.0              | 13.9  | 10.5            |
| Printing, publishing, and allied products .....                              | 1,932          | 43.6              | 7.3   | 6.4             |
| Newspaper publishing and printing .....                                      | 542            | 43.8              | 8.6   | 4.9             |
| Printing, publishing, and allied industries, except newspapers .....         | 1,390          | 43.5              | 6.8   | 7.0             |
| Chemicals and allied products .....  | 1,330          | 31.7              | 10.5  | 6.5             |
| Plastics, synthetics, and resins .....                                       | 154            | 30.9              | 11.4  | 7.8             |
| Drugs .....  | 273            | 44.3              | 8.1   | 7.0             |
| Soaps and cosmetics .....  | 181            | 49.0              | 14.4  | 13.1            |
| Paints, varnishes, and related products .....                                | 60             | 29.9              | 9.5   | 8.6             |
| Agricultural chemicals .....   | 50             | 24.6              | 11.7  | 4.3             |
| Industrial and miscellaneous chemicals .....                                 | 612            | 21.9              | 10.2  | 4.0             |
| Petroleum and coal products .....  | 179            | 14.9              | 13.1  | 6.5             |
| Petroleum refining .....   | 157            | 15.0              | 12.3  | 6.2             |
| Rubber and miscellaneous plastics products .....                             | 771            | 36.4              | 9.2   | 8.7             |
| Tires and inner tubes .....  | 88             | 17.4              | 11.9  | 1.0             |
| Other rubber products, and plastics footwear and belting .....               | 144            | 32.0              | 7.1   | 11.5            |
| Miscellaneous plastics products .....  | 539            | 40.7              | 9.4   | 9.2             |
| Leather and leather products .....   | 152            | 57.0              | 9.4   | 13.2            |
| Footwear, except rubber and plastic .....                                    | 89             | 57.3              | 10.5  | 6.7             |
| Leather products, except footwear .....                                      | 53             | 61.4              | 9.2   | 25.7            |
| Transportation, communications, and other public utilities .....             | 8,094          | 28.3              | 14.1  | 6.4             |
| Transportation .....   | 5,051          | 25.7              | 14.6  | 7.4             |
| Railroads .....  | 334            | 7.9               | 12.0  | 4.8             |
| Bus service and urban transit .....  | 451            | 33.8              | 23.4  | 7.4             |
| Taxicab service .....  | 119            | 14.5              | 25.5  | 21.4            |
| Trucking service .....   | 1,836          | 14.1              | 11.1  | 6.2             |
| Warehousing and storage .....  | 134            | 28.6              | 13.9  | 12.9            |
| U.S. Postal Service .....  | 892            | 32.9              | 23.6  | 6.5             |
| Water transportation .....   | 185            | 24.8              | 8.8   | 6.8             |
| Air transportation .....   | 734            | 33.2              | 12.4  | 7.3             |
| Services incidental to transportation .....                                  | 351            | 63.0              | 4.8   | 11.5            |
| Communications .....   | 1,537          | 45.7              | 13.2  | 4.9             |
| Radio and television broadcasting .....                                      | 255            | 38.9              | 9.1   | 4.4             |
| Telephone (wire and radio) .....   | 1,100          | 48.5              | 14.3  | 5.3             |
| Telegraph and miscellaneous communication services .....                     | 182            | 38.3              | 12.2  | 3.5             |
| Utilities and sanitary services .....  | 1,506          | 19.5              | 13.5  | 4.7             |
| Electric light and power .....   | 660            | 21.0              | 11.3  | 2.7             |
| Gas and steam supply systems .....   | 178            | 24.6              | 14.9  | 3.8             |
| Electric and gas, and other combinations .....                               | 181            | 23.4              | 13.4  | 3.9             |
| Water supply and irrigation .....  | 213            | 19.0              | 13.1  | 7.4             |
| Sanitary services .....  | 266            | 10.1              | 18.3  | 9.0             |
| Wholesale and retail trade .....   | 24,230         | 47.2              | 8.3   | 7.8             |
| Wholesale trade .....  | 4,611          | 28.2              | 6.0   | 7.0             |
| Durable goods .....  | 2,531          | 26.7              | 5.4   | 5.2             |
| Motor vehicles and equipment .....   | 239            | 24.8              | 4.7   | 5.7             |
| Furniture and home furnishings .....   | 79             | 32.1              | 6.3   | 7.7             |
| Lumber and construction materials .....                                      | 163            | 20.0              | 8.0   | 6.8             |
| Metals and minerals, except petroleum .....                                  | 91             | 28.4              | 4.5   | 6.9             |
| Electrical goods .....   | 293            | 29.9              | 4.4   | 3.4             |
| Hardware, plumbing, and heating supplies .....                               | 239            | 25.8              | 2.2   | 4.0             |
| Machinery, equipment and supplies .....                                      | 1,124          | 27.6              | 4.9   | 4.4             |
| Scrap and waste materials .....  | 176            | 13.1              | 13.0  | 8.8             |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Industry   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Nondurable goods .....   | 2,080          | 30.0              | 6.7   | 9.2             |
| Paper and paper products .....   | 135            | 35.8              | 6.6   | 5.0             |
| Drugs, chemicals, and allied products .....                            | 205            | 38.5              | 8.2   | 5.8             |
| Apparel, fabrics, and notions .....                                    | 134            | 42.9              | 8.7   | 15.5            |
| Groceries and related products .....                                   | 785            | 25.5              | 8.1   | 12.8            |
| Farm products-raw materials .....                                      | 102            | 24.9              | 2.7   | 4.3             |
| Petroleum products .....   | 161            | 31.2              | 6.2   | 4.6             |
| Alcoholic beverages .....  | 130            | 13.4              | 6.1   | 5.7             |
| Farm supplies .....  | 130            | 22.4              | 2.5   | 3.5             |
| Miscellaneous nondurable goods and not specified wholesale trade ..... | 298            | 39.1              | 5.0   | 9.4             |
| Retail trade .....   | 19,618         | 51.7              | 8.8   | 8.0             |
| Lumber and building material retailing .....                           | 511            | 27.0              | 6.2   | 5.7             |
| Hardware stores .....  | 212            | 40.8              | 4.0   | 5.2             |
| Retail nurseries and garden stores .....                               | 99             | 33.5              | 2.0   | 7.9             |
| Department stores .....  | 2,092          | 69.4              | 12.8  | 5.9             |
| Variety stores .....   | 118            | 72.6              | 11.7  | 4.7             |
| Miscellaneous general merchandise stores .....                         | 149            | 64.6              | 12.3  | 8.0             |
| Grocery stores .....   | 2,861          | 50.3              | 9.2   | 7.1             |
| Dairy products stores .....  | 58             | 61.2              | 6.3   | 4.5             |
| Retail bakeries .....  | 185            | 60.8              | 8.1   | 9.3             |
| Food stores, n.e.c. ....   | 198            | 44.1              | 8.8   | 16.8            |
| Motor vehicle dealers .....  | 1,147          | 17.1              | 6.3   | 7.8             |
| Auto and home supply stores .....                                      | 408            | 17.4              | 6.7   | 7.7             |
| Gasoline service stations .....  | 494            | 26.8              | 6.1   | 8.3             |
| Miscellaneous vehicle dealers .....                                    | 104            | 18.5              | .0    | 4.3             |
| Apparel and accessory stores, except shoe .....                        | 847            | 77.1              | 8.7   | 7.6             |
| Shoe stores .....  | 154            | 58.6              | 10.6  | 9.0             |
| Furniture and home furnishings stores .....                            | 564            | 39.5              | 6.4   | 6.2             |
| Household appliances, T.V., and radio stores .....                     | 547            | 31.2              | 6.1   | 5.6             |
| Eating and drinking places .....                                       | 5,646          | 55.4              | 11.2  | 11.1            |
| Drug stores .....  | 567            | 65.1              | 8.0   | 6.5             |
| Liquor stores .....  | 136            | 36.8              | 6.9   | 5.5             |
| Sporting goods, bicycles, and hobby stores .....                       | 324            | 47.5              | 4.6   | 4.8             |
| Book and stationery stores .....                                       | 209            | 56.9              | 4.5   | 3.6             |
| Jewelry stores .....   | 194            | 58.1              | 3.2   | 9.6             |
| Sewing, needlework, and piece goods stores .....                       | 67             | 87.2              | 8.4   | 3.3             |
| Mail order houses .....  | 111            | 69.1              | 7.7   | 3.1             |
| Vending machine operators .....  | 70             | 36.9              | 4.8   | 4.3             |
| Direct selling establishments .....                                    | 330            | 73.3              | 5.2   | 7.3             |
| Fuel and ice dealers .....   | 124            | 20.6              | 5.0   | 3.8             |
| Retail florists .....  | 184            | 69.9              | 2.6   | 6.2             |
| Miscellaneous retail stores and not specified retail trade .....       | 883            | 58.7              | 4.5   | 6.3             |
| Finance, insurance, and real estate .....                              | 7,988          | 59.4              | 8.4   | 5.6             |
| Banking .....  | 2,064          | 71.0              | 10.5  | 6.5             |
| Savings and loan associations .....                                    | 205            | 71.4              | 6.4   | 6.7             |
| Credit agencies, n.e.c. ....   | 537            | 67.2              | 7.6   | 6.0             |
| Security, commodity brokerage, and investment companies .....          | 641            | 40.5              | 5.3   | 3.3             |
| Insurance .....  | 2,372          | 61.1              | 8.2   | 3.8             |
| Real estate, including real estate-insurance law offices .....         | 2,170          | 48.8              | 7.8   | 7.0             |
| Services .....   | 38,227         | 61.7              | 11.6  | 6.5             |
| Private households .....   | 1,108          | 85.6              | 24.1  | 14.7            |
| Other service industries .....   | 37,118         | 61.0              | 11.2  | 6.2             |
| Business and repair services .....                                     | 7,334          | 39.6              | 10.5  | 8.2             |
| Advertising .....  | 282            | 47.9              | 3.8   | 3.6             |
| Services to dwellings and other buildings .....                        | 801            | 48.8              | 17.0  | 19.1            |
| Commercial research, development, and testing labs .....               | 264            | 35.0              | 4.9   | 4.2             |
| Personnel supply services .....  | 786            | 75.0              | 21.3  | 6.9             |
| Business management and consulting services .....                      | 557            | 51.2              | 7.0   | 2.2             |
| Computer and data processing services .....                            | 797            | 36.6              | 8.7   | 4.0             |
| Detective and protective services .....                                | 364            | 22.1              | 23.7  | 8.4             |
| Business services, n.e.c. ....   | 1,438          | 52.8              | 6.4   | 5.7             |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Industry   | 1989           |                   |       |                 |
|--|----------------|-------------------|-------|-----------------|
|  | Total employed | Percent of total: |       |                 |
|  |                | Women             | Black | Hispanic origin |
| Automobile services, except repair .....                           | 410            | 23.3              | 15.2  | 12.3            |
| Automobile repair shops .....                                      | 981            | 9.2               | 7.0   | 11.1            |
| Electrical repair shops .....                                      | 122            | 12.2              | 6.1   | 5.9             |
| Miscellaneous repair services .....                                | 533            | 15.4              | 4.0   | 9.2             |
| Personal services, except private household .....                  | 3,556          | 67.5              | 12.0  | 10.9            |
| Hotels and motels .....  | 1,226          | 57.0              | 15.8  | 14.8            |
| Lodging places, except hotels and motels .....                     | 469            | 85.5              | 6.9   | 7.6             |
| Laundry, cleaning, and garment services .....                      | 508            | 58.0              | 17.4  | 14.5            |
| Beauty shops .....   | 763            | 88.2              | 9.0   | 8.1             |
| Barber shops .....   | 74             | 15.6              | 12.0  | 9.2             |
| Funeral service and crematories .....                              | 99             | 30.2              | 13.6  | 5.4             |
| Dressmaking shops .....  | 57             | 97.6              | 8.1   | 3.4             |
| Entertainment and recreational services .....                      | 1,440          | 40.4              | 8.8   | 6.2             |
| Theaters and motion pictures .....                                 | 470            | 35.9              | 9.4   | 7.1             |
| Bowling alleys, billiard and pool parlors .....                    | 62             | 39.9              | 2.7   | 2.1             |
| Miscellaneous entertainment and recreation services .....          | 908            | 42.7              | 8.8   | 5.9             |
| Professional and related services .....                            | 24,609         | 68.0              | 11.5  | 5.0             |
| Hospitals .....  | 4,568          | 76.9              | 16.1  | 5.3             |
| Health services, except hospitals .....                            | 4,542          | 76.9              | 11.7  | 5.4             |
| Offices of physicians .....  | 1,039          | 70.0              | 3.9   | 5.7             |
| Offices of dentists .....  | 560            | 72.1              | 4.4   | 4.9             |
| Offices of chiropractors .....                                     | 97             | 61.1              | 1.3   | 7.1             |
| Offices of optometrists .....                                      | 66             | 68.0              | 3.5   | 2.4             |
| Nursing and personal care facilities .....                         | 1,521          | 87.8              | 21.7  | 4.2             |
| Educational services .....   | 8,909          | 66.5              | 11.0  | 4.8             |
| Elementary and secondary schools .....                             | 5,970          | 72.3              | 12.0  | 5.2             |
| Colleges and universities .....                                    | 2,514          | 51.7              | 9.2   | 4.0             |
| Business, trade, and vocational schools .....                      | 73             | 51.5              | 11.3  | 8.3             |
| Libraries .....  | 162            | 82.4              | 8.6   | 2.4             |
| Educational services, n.e.c. ....                                  | 190            | 71.5              | 4.2   | 3.4             |
| Social services .....  | 2,110          | 78.1              | 16.3  | 6.2             |
| Job training and vocational rehabilitation services .....          | 247            | 51.6              | 13.6  | 3.3             |
| Child day care services .....                                      | 673            | 95.7              | 13.3  | 6.9             |
| Residential care facilities, without nursing .....                 | 400            | 73.5              | 16.8  | 5.1             |
| Social services, n.e.c. ....                                       | 790            | 73.9              | 19.5  | 7.1             |
| Other professional services .....                                  | 4,482          | 47.8              | 5.3   | 3.9             |
| Legal services .....   | 1,207          | 56.3              | 5.1   | 4.5             |
| Museums, art galleries, and zoos .....                             | 100            | 54.0              | 9.7   | 5.1             |
| Religious organizations .....                                      | 801            | 44.0              | 6.9   | 3.1             |
| Membership organizations .....                                     | 484            | 62.7              | 8.7   | 3.9             |
| Engineering, architectural, and surveying services .....           | 856            | 24.0              | 3.8   | 5.0             |
| Accounting, auditing, and bookkeeping services .....               | 653            | 55.0              | 3.0   | 2.5             |
| Noncommercial educational and scientific research .....            | 116            | 37.7              | 9.8   | 5.1             |
| Miscellaneous professional and related services .....              | 263            | 54.7              | 1.7   | 2.1             |
| Forestry and fisheries .....                                       | 179            | 21.3              | 3.3   | 12.0            |
| Forestry .....   | 98             | 25.4              | 2.2   | 15.2            |
| Fisheries .....  | 81             | 16.4              | 4.7   | 8.1             |
| Public administration .....  | 5,553          | 42.9              | 14.8  | 5.1             |
| Executive and legislative offices .....                            | 169            | 62.9              | 9.4   | 1.9             |
| General government, n.e.c. ....                                    | 584            | 49.4              | 16.4  | 4.4             |
| Justice, public order, and safety .....                            | 1,937          | 29.8              | 13.8  | 5.3             |
| Public finance, taxation, and monetary policy .....                | 407            | 62.6              | 16.7  | 4.4             |
| Administration of human resources programs .....                   | 664            | 69.1              | 20.1  | 5.9             |
| Administration of environmental quality and housing programs ..... | 319            | 34.1              | 10.2  | 6.3             |
| Administration of economic programs .....                          | 572            | 43.1              | 13.5  | 5.4             |
| National security and international affairs .....                  | 900            | 37.7              | 14.7  | 5.1             |

NOTE: N.e.c. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically identified. Generally, data for industries with fewer than

50,000 employed are not published separately but are included in the totals for the appropriate categories shown.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**29. 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 |       |                                      |                  |                  |                  |
|--------------------------------------|----------------|-------|----------------------------|-------|--------------------------------------|------------------|------------------|------------------|
|                                      | 1988           | 1989  | Total                      |       | Wage and salary workers <sup>1</sup> |                  |                  |                  |
|                                      |                |       | 1988                       | 1989  | Paid absences                        |                  | Unpaid absences  |                  |
|                                      |                |       |                            |       | 1988                                 | 1989             | 1988             | 1989             |
| Total, 16 years and over .....       | 5,831          | 6,170 | 5,698                      | 6,041 | 2,907                                | 3,053            | 2,225            | 2,398            |
| Vacation .....                       | 3,236          | 3,437 | 3,190                      | 3,397 | 2,112                                | 2,222            | 852              | 934              |
| Illness .....                        | 1,364          | 1,405 | 1,337                      | 1,375 | 543                                  | 562              | 688              | 699              |
| Bad weather .....                    | 122            | 133   | 104                        | 109   | ( <sup>2</sup> )                     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Industrial dispute .....             | 30             | 63    | 29                         | 63    | ( <sup>2</sup> )                     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| All other reasons <sup>3</sup> ..... | 1,080          | 1,132 | 1,037                      | 1,097 | 252                                  | 269              | 684              | 765              |
| Men, 16 years and over .....         | 2,820          | 2,956 | 2,717                      | 2,854 | 1,475                                | 1,540            | 907              | 972              |
| Vacation .....                       | 1,544          | 1,626 | 1,510                      | 1,596 | 1,101                                | 1,158            | 289              | 311              |
| Illness .....                        | 697            | 711   | 676                        | 686   | 279                                  | 282              | 336              | 332              |
| All other reasons <sup>3</sup> ..... | 580            | 619   | 530                        | 572   | 95                                   | 100              | 282              | 328              |
| Women, 16 years and over .....       | 3,011          | 3,214 | 2,981                      | 3,188 | 1,432                                | 1,513            | 1,319            | 1,427            |
| Vacation .....                       | 1,692          | 1,811 | 1,680                      | 1,801 | 1,010                                | 1,064            | 564              | 624              |
| Illness .....                        | 667            | 694   | 661                        | 689   | 264                                  | 280              | 353              | 367              |
| All other reasons <sup>3</sup> ..... | 652            | 709   | 640                        | 698   | 157                                  | 169              | 402              | 436              |

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

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

<sup>3</sup> 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.

**30. Persons at work by hours of work and type of industry**

| Hours of work                                       | 1989                 |             |                            |                      |             |                            |
|---|----------------------|-------------|----------------------------|----------------------|-------------|----------------------------|
|   | Thousands of persons |             |                            | Percent distribution |             |                            |
|   | All industries       | Agriculture | Nonagricultural industries | All industries       | Agriculture | Nonagricultural industries |
| Total, 16 years and over .....                      | 111,172              | 3,071       | 108,101                    | 100.0                | 100.0       | 100.0                      |
| 1 to 34 hours .....                                 | 26,010               | 856         | 25,154                     | 23.4                 | 27.9        | 23.3                       |
| 1 to 4 hours .....                                  | 801                  | 43          | 758                        | .7                   | 1.4         | .7                         |
| 5 to 14 hours .....                                 | 4,417                | 196         | 4,221                      | 4.0                  | 6.4         | 3.9                        |
| 15 to 29 hours .....                                | 13,047               | 409         | 12,637                     | 11.7                 | 13.3        | 11.7                       |
| 30 to 34 hours .....                                | 7,746                | 208         | 7,537                      | 7.0                  | 6.8         | 7.0                        |
| 35 hours and over .....                             | 85,162               | 2,215       | 82,947                     | 76.6                 | 72.1        | 76.7                       |
| 35 to 39 hours .....                                | 7,345                | 152         | 7,193                      | 6.6                  | 4.9         | 6.7                        |
| 40 hours .....                                      | 43,967               | 637         | 43,329                     | 39.5                 | 20.7        | 40.1                       |
| 41 hours and over .....                             | 33,850               | 1,425       | 32,425                     | 30.4                 | 46.4        | 30.0                       |
| 41 to 48 hours .....                                | 11,892               | 225         | 11,667                     | 10.7                 | 7.3         | 10.8                       |
| 49 to 59 hours .....                                | 12,618               | 410         | 12,208                     | 11.3                 | 13.4        | 11.3                       |
| 60 hours and over .....                             | 9,341                | 791         | 8,550                      | 8.4                  | 25.8        | 7.9                        |
| Average hours, total at work .....                  | 39.6                 | 44.3        | 39.4                       | -                    | -           | -                          |
| Average hours, workers on full-time schedules ..... | 43.9                 | 51.4        | 43.7                       | -                    | -           | -                          |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**31. 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                      | 1989           |                        |                        |                            |                        |                        |
|--|----------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
|  | 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 .....                             | 26,010         | 7,453                  | 18,557                 | 25,154                     | 7,154                  | 18,000                 |
| Economic reasons .....                                     | 4,894          | 1,730                  | 3,164                  | 4,657                      | 1,619                  | 3,037                  |
| Slack work .....   | 2,303          | 1,372                  | 931                    | 2,143                      | 1,272                  | 871                    |
| Material shortages or repairs to plant and equipment ..... | 57             | 57                     | -                      | 56                         | 56                     | -                      |
| New job started during week .....                          | 210            | 210                    | -                      | 204                        | 204                    | -                      |
| Job terminated during week .....                           | 90             | 90                     | -                      | 88                         | 88                     | -                      |
| Could find only part-time work .....                       | 2,233          | -                      | 2,233                  | 2,166                      | -                      | 2,166                  |
| Other reasons .....  | 21,117         | 5,724                  | 15,393                 | 20,498                     | 5,535                  | 14,963                 |
| Does not want, or unavailable for, full-time work .....    | 12,696         | -                      | 12,696                 | 12,377                     | -                      | 12,377                 |
| Vacation .....   | 1,540          | 1,540                  | -                      | 1,521                      | 1,521                  | -                      |
| Illness .....  | 1,651          | 1,489                  | 162                    | 1,615                      | 1,462                  | 153                    |
| Bad weather .....  | 506            | 506                    | -                      | 427                        | 427                    | -                      |
| Industrial dispute .....                                   | 6              | 6                      | -                      | 6                          | 6                      | -                      |
| Legal or religious holiday .....                           | 598            | 598                    | -                      | 596                        | 596                    | -                      |
| Full time for this job .....                               | 1,804          | -                      | 1,804                  | 1,765                      | -                      | 1,765                  |
| All other reasons .....                                    | 2,317          | 1,585                  | 732                    | 2,189                      | 1,522                  | 667                    |
| Average hours:   |                |                        |                        |                            |                        |                        |
| Economic reasons .....                                     | 22.3           | 24.3                   | 21.1                   | 22.3                       | 24.4                   | 21.2                   |
| Other reasons .....  | 21.3           | 26.0                   | 19.5                   | 21.3                       | 26.1                   | 19.6                   |
| Worked 30 to 34 hours:                                     |                |                        |                        |                            |                        |                        |
| Economic reasons .....                                     | 1,622          | 788                    | 834                    | 1,556                      | 747                    | 809                    |
| Other reasons .....  | 6,123          | 3,101                  | 3,022                  | 5,981                      | 3,027                  | 2,954                  |

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

(Numbers in thousands)

| Industry                                  | 1989          |                                   |                        |                        |                  |                |                  |                              |   |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
|   | 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 .....            | 108,101       | 4,657                             | 14,963                 | 88,482                 | 56,057           | 11,667         | 20,758           | 39.4                         | 43.7  |
| Wage and salary workers .....             | 99,754        | 4,079                             | 13,472                 | 82,203                 | 53,225           | 11,072         | 17,906           | 39.3                         | 43.3  |
| Mining .....                              | 642           | 16                                | 15                     | 612                    | 309              | 94             | 208              | 45.8                         | 47.0  |
| Construction .....                        | 5,930         | 362                               | 261                    | 5,307                  | 3,537            | 652            | 1,118            | 40.5                         | 42.8  |
| Manufacturing .....                       | 20,258        | 467                               | 669                    | 19,121                 | 12,005           | 3,160          | 3,956            | 42.2                         | 43.4  |
| Durable goods .....                       | 11,978        | 189                               | 277                    | 11,511                 | 7,121            | 1,918          | 2,472            | 42.7                         | 43.6  |
| Nondurable goods .....                    | 8,280         | 278                               | 392                    | 7,610                  | 4,884            | 1,242          | 1,483            | 41.5                         | 43.2  |
| Transportation and public utilities ..... | 7,297         | 197                               | 438                    | 6,662                  | 4,147            | 895            | 1,620            | 42.3                         | 44.3  |
| Wholesale and retail trade .....          | 21,322        | 1,350                             | 4,984                  | 14,988                 | 8,949            | 2,264          | 3,776            | 37.1                         | 44.1  |
| Finance, insurance, and real estate ..... | 7,038         | 129                               | 679                    | 6,231                  | 4,233            | 753            | 1,245            | 40.1                         | 42.6  |
| Service industries .....                  | 31,985        | 1,510                             | 6,169                  | 24,307                 | 16,368           | 2,752          | 5,187            | 37.4                         | 43.0  |
| Private households .....                  | 1,057         | 191                               | 466                    | 400                    | 249              | 46             | 104              | 26.4                         | 45.6  |
| All other industries .....                | 30,928        | 1,319                             | 5,702                  | 23,907                 | 16,118           | 2,706          | 5,083            | 37.8                         | 43.0  |
| Public administration .....               | 5,282         | 50                                | 257                    | 4,975                  | 3,677            | 503            | 796              | 40.8                         | 42.2  |
| Self-employed workers .....               | 8,069         | 566                               | 1,371                  | 6,132                  | 2,750            | 581            | 2,802            | 41.1                         | 48.2  |
| Unpaid family workers .....               | 279           | 12                                | 120                    | 146                    | 82               | 14             | 50               | 35.1                         | 46.5  |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**33. 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    | 1989          |                                   |                        |                        |                  |                  |                              |   |
|---------------------------------------|---------------|-----------------------------------|------------------------|------------------------|------------------|------------------|------------------------------|---|
|                                       | Total at work | On part time for economic reasons | On voluntary part time | On full-time schedules |                  |                  | Average hours, total at work | Average hours, workers on full-time schedules |
|                                       |               |                                   |                        | Total                  | 40 hours or less | 41 hours or more |                              |   |
| <b>TOTAL</b>                          |               |                                   |                        |                        |                  |                  |                              |   |
| Total, 16 years and over .....        | 108,101       | 4,657                             | 14,963                 | 88,482                 | 56,057           | 32,425           | 39.4                         | 43.7  |
| 16 to 19 years .....                  | 6,270         | 580                               | 3,429                  | 2,261                  | 1,785            | 476              | 25.9                         | 40.3  |
| 16 to 17 years .....                  | 2,358         | 173                               | 1,837                  | 348                    | 289              | 58               | 19.6                         | 38.5  |
| 18 to 19 years .....                  | 3,912         | 407                               | 1,592                  | 1,914                  | 1,496            | 417              | 29.7                         | 40.6  |
| 20 years and over .....               | 101,831       | 4,076                             | 11,534                 | 86,220                 | 54,272           | 31,949           | 40.2                         | 43.8  |
| 20 to 24 years .....                  | 12,133        | 770                               | 2,083                  | 9,280                  | 6,506            | 2,774            | 37.2                         | 42.3  |
| 25 years and over .....               | 89,698        | 3,307                             | 9,451                  | 76,940                 | 47,766           | 29,174           | 40.7                         | 43.9  |
| 25 to 44 years .....                  | 58,909        | 2,190                             | 5,104                  | 51,615                 | 31,511           | 20,104           | 41.2                         | 44.0  |
| 45 to 64 years .....                  | 27,974        | 994                               | 2,993                  | 23,987                 | 15,324           | 8,663            | 40.6                         | 43.8  |
| 65 years and over .....               | 2,814         | 122                               | 1,353                  | 1,338                  | 933              | 406              | 29.4                         | 42.6  |
| <b>Men, 16 years and over</b> .....   | 58,948        | 2,109                             | 4,441                  | 52,398                 | 29,407           | 22,991           | 42.4                         | 45.2  |
| 16 to 19 years .....                  | 3,156         | 292                               | 1,574                  | 1,291                  | 986              | 305              | 27.4                         | 40.7  |
| 16 to 17 years .....                  | 1,171         | 96                                | 867                    | 208                    | 170              | 38               | 20.8                         | 38.6  |
| 18 to 19 years .....                  | 1,985         | 196                               | 707                    | 1,082                  | 816              | 267              | 31.3                         | 41.2  |
| 20 years and over .....               | 55,792        | 1,818                             | 2,867                  | 51,107                 | 28,421           | 22,686           | 43.2                         | 45.3  |
| 20 to 24 years .....                  | 6,294         | 386                               | 841                    | 5,067                  | 3,266            | 1,801            | 39.0                         | 43.4  |
| 25 years and over .....               | 49,498        | 1,432                             | 2,026                  | 46,040                 | 25,155           | 20,885           | 43.8                         | 45.5  |
| 25 to 44 years .....                  | 32,450        | 989                               | 707                    | 30,754                 | 16,343           | 14,411           | 44.5                         | 45.7  |
| 45 to 64 years .....                  | 15,466        | 386                               | 621                    | 14,459                 | 8,277            | 6,182            | 43.6                         | 45.2  |
| 65 years and over .....               | 1,582         | 58                                | 697                    | 827                    | 535              | 292              | 31.2                         | 43.6  |
| <b>Women, 16 years and over</b> ..... | 49,153        | 2,547                             | 10,522                 | 36,084                 | 26,650           | 9,433            | 35.8                         | 41.5  |
| 16 to 19 years .....                  | 3,114         | 288                               | 1,855                  | 971                    | 800              | 171              | 24.5                         | 39.6  |
| 16 to 17 years .....                  | 1,187         | 78                                | 969                    | 139                    | 119              | 20               | 18.5                         | 38.3  |
| 18 to 19 years .....                  | 1,927         | 211                               | 885                    | 831                    | 680              | 151              | 28.1                         | 39.9  |
| 20 years and over .....               | 46,039        | 2,259                             | 8,667                  | 35,113                 | 25,851           | 9,262            | 36.6                         | 41.5  |
| 20 to 24 years .....                  | 5,839         | 384                               | 1,242                  | 4,213                  | 3,239            | 973              | 35.3                         | 40.9  |
| 25 years and over .....               | 40,200        | 1,875                             | 7,425                  | 30,900                 | 22,611           | 8,289            | 36.8                         | 41.6  |
| 25 to 44 years .....                  | 26,459        | 1,203                             | 4,397                  | 20,859                 | 15,164           | 5,695            | 37.3                         | 41.6  |
| 45 to 64 years .....                  | 12,509        | 607                               | 2,372                  | 9,530                  | 7,049            | 2,481            | 36.8                         | 41.7  |
| 65 years and over .....               | 1,232         | 65                                | 656                    | 511                    | 397              | 113              | 27.1                         | 41.1  |
| <b>RACE</b>                           |               |                                   |                        |                        |                  |                  |                              |   |
| White, 16 years and over .....        | 93,380        | 3,764                             | 13,379                 | 76,237                 | 46,814           | 29,423           | 39.6                         | 43.9  |
| Men .....                             | 51,509        | 1,707                             | 3,893                  | 45,909                 | 24,870           | 21,039           | 42.7                         | 45.5  |
| Women .....                           | 41,872        | 2,058                             | 9,486                  | 30,328                 | 21,944           | 8,384            | 35.7                         | 41.6  |
| Black, 16 years and over .....        | 11,143        | 749                               | 1,114                  | 9,279                  | 7,157            | 2,123            | 38.2                         | 41.7  |
| Men .....                             | 5,527         | 338                               | 375                    | 4,813                  | 3,441            | 1,372            | 40.0                         | 42.8  |
| Women .....                           | 5,616         | 411                               | 739                    | 4,466                  | 3,716            | 750              | 36.5                         | 40.5  |
| <b>MARITAL STATUS</b>                 |               |                                   |                        |                        |                  |                  |                              |   |
| Men, 16 years and over:               |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....         | 37,255        | 872                               | 1,388                  | 34,995                 | 18,604           | 16,391           | 44.2                         | 45.7  |
| Widowed, divorced, or separated ..... | 6,058         | 278                               | 286                    | 5,494                  | 3,082            | 2,412            | 43.1                         | 45.3  |
| Single (never married) .....          | 15,635        | 960                               | 2,767                  | 11,908                 | 7,720            | 4,188            | 37.8                         | 43.5  |
| Women, 16 years and over:             |               |                                   |                        |                        |                  |                  |                              |   |
| Married, spouse present .....         | 26,871        | 1,193                             | 6,089                  | 19,589                 | 14,719           | 4,870            | 35.7                         | 41.2  |
| Widowed, divorced, or separated ..... | 9,782         | 565                               | 1,231                  | 7,987                  | 5,644            | 2,342            | 38.3                         | 42.1  |
| Single (never married) .....          | 12,499        | 789                               | 3,203                  | 8,508                  | 6,287            | 2,221            | 34.4                         | 41.5  |



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

(Numbers in thousands)

| Occupation and sex  | 1989          |                                   |                        |                        |                  |                |                  |                              |   |
|---|---------------|-----------------------------------|------------------------|------------------------|------------------|----------------|------------------|------------------------------|---|
|   | 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 <sup>1</sup> .....               | 107,903       | 4,618                             | 14,921                 | 88,364                 | 55,905           | 11,663         | 20,796           | 39.4                         | 43.7  |
| Managerial and professional specialty .....               | 28,540        | 493                               | 2,621                  | 25,425                 | 13,725           | 3,282          | 8,418            | 42.6                         | 45.4  |
| Executive, administrative, and managerial .....           | 14,203        | 172                               | 717                    | 13,315                 | 6,726            | 1,730          | 4,858            | 44.6                         | 46.2  |
| Professional specialty .....                              | 14,336        | 321                               | 1,904                  | 12,111                 | 6,999            | 1,552          | 3,560            | 40.6                         | 44.5  |
| Technical, sales, and administrative support .....        | 34,438        | 1,206                             | 6,277                  | 26,955                 | 18,344           | 3,395          | 5,215            | 37.9                         | 42.7  |
| Technicians and related support .....                     | 3,476         | 64                                | 386                    | 3,026                  | 2,091            | 428            | 506              | 39.7                         | 42.4  |
| Sales occupations .....                                   | 13,442        | 646                               | 2,819                  | 9,977                  | 5,239            | 1,352          | 3,386            | 39.1                         | 45.7  |
| Administrative support, including clerical .....          | 17,520        | 496                               | 3,071                  | 13,952                 | 11,014           | 1,615          | 1,323            | 36.5                         | 40.7  |
| Service occupations .....                                 | 14,727        | 1,352                             | 4,048                  | 9,327                  | 6,740            | 1,011          | 1,576            | 34.2                         | 42.5  |
| Private household .....                                   | 835           | 134                               | 381                    | 320                    | 205              | 37             | 79               | 26.6                         | 44.9  |
| Protective service .....                                  | 1,846         | 44                                | 161                    | 1,642                  | 969              | 257            | 416              | 42.6                         | 45.4  |
| Service, except private household and protective .....    | 12,045        | 1,174                             | 3,506                  | 7,365                  | 5,566            | 718            | 1,081            | 33.4                         | 41.8  |
| Precision production, craft, and repair .....             | 13,112        | 576                               | 454                    | 12,082                 | 7,556            | 1,800          | 2,726            | 41.9                         | 43.6  |
| Operators, fabricators, and laborers .....                | 17,087        | 990                               | 1,522                  | 14,575                 | 9,540            | 2,174          | 2,861            | 40.1                         | 43.3  |
| Machine operators, assemblers, and inspectors .....       | 7,851         | 357                               | 350                    | 7,144                  | 4,976            | 1,123          | 1,045            | 40.6                         | 42.3  |
| Transportation and material moving occupations .....      | 4,586         | 214                               | 378                    | 3,994                  | 2,070            | 576            | 1,348            | 43.2                         | 46.5  |
| Handlers, equipment cleaners, helpers, and laborers ..... | 4,649         | 419                               | 794                    | 3,436                  | 2,494            | 474            | 467              | 36.2                         | 41.7  |
| Men, 16 years and over <sup>1</sup> .....                 | 58,635        | 2,069                             | 4,360                  | 52,205                 | 29,209           | 7,342          | 15,654           | 42.5                         | 45.2  |
| Managerial and professional specialty .....               | 15,872        | 219                               | 730                    | 14,923                 | 6,894            | 1,882          | 6,146            | 45.5                         | 47.2  |
| Executive, administrative, and managerial .....           | 8,581         | 90                                | 263                    | 8,228                  | 3,563            | 1,024          | 3,641            | 46.6                         | 47.8  |
| Professional specialty .....                              | 7,290         | 129                               | 467                    | 6,695                  | 3,331            | 858            | 2,506            | 44.2                         | 46.5  |
| Technical, sales, and administrative support .....        | 12,192        | 274                               | 1,201                  | 10,717                 | 5,676            | 1,553          | 3,488            | 42.6                         | 45.7  |
| Technicians and related support .....                     | 1,810         | 28                                | 106                    | 1,676                  | 1,062            | 252            | 362              | 41.9                         | 43.7  |
| Sales occupations .....                                   | 6,866         | 158                               | 683                    | 6,025                  | 2,549            | 844            | 2,631            | 44.4                         | 47.8  |
| Administrative support, including clerical .....          | 3,517         | 89                                | 411                    | 3,017                  | 2,065            | 456            | 496              | 39.2                         | 42.6  |
| Service occupations .....                                 | 5,895         | 397                               | 1,103                  | 4,395                  | 2,963            | 525            | 907              | 37.6                         | 43.8  |
| Private household .....                                   | 35            | 7                                 | 14                     | 14                     | 8                | 1              | 5                | 28.0                         | ( <sup>2</sup> )                              |
| Protective service .....                                  | 1,559         | 35                                | 99                     | 1,425                  | 819              | 219            | 386              | 43.7                         | 45.9  |
| Service, except private household and protective .....    | 4,301         | 355                               | 990                    | 2,956                  | 2,136            | 304            | 516              | 35.5                         | 42.7  |
| Precision production, craft, and repair .....             | 11,993        | 523                               | 328                    | 11,142                 | 6,871            | 1,684          | 2,588            | 42.2                         | 43.8  |
| Operators, fabricators, and laborers .....                | 12,682        | 656                               | 998                    | 11,027                 | 6,804            | 1,699          | 2,524            | 41.1                         | 44.1  |
| Machine operators, assemblers, and inspectors .....       | 4,675         | 144                               | 140                    | 4,391                  | 2,838            | 749            | 804              | 42.0                         | 43.2  |
| Transportation and material moving occupations .....      | 4,184         | 176                               | 237                    | 3,771                  | 1,916            | 550            | 1,305            | 44.1                         | 46.7  |
| Handlers, equipment cleaners, helpers, and laborers ..... | 3,823         | 336                               | 621                    | 2,866                  | 2,050            | 400            | 415              | 36.5                         | 41.9  |
| Women, 16 years and over <sup>1</sup> .....               | 49,269        | 2,549                             | 10,561                 | 36,159                 | 26,696           | 4,320          | 5,143            | 35.8                         | 41.5  |
| Managerial and professional specialty .....               | 12,668        | 274                               | 1,892                  | 10,503                 | 6,831            | 1,400          | 2,272            | 38.9                         | 42.8  |
| Executive, administrative, and managerial .....           | 5,622         | 81                                | 454                    | 5,086                  | 3,163            | 706            | 1,217            | 41.4                         | 43.5  |
| Professional specialty .....                              | 7,046         | 192                               | 1,437                  | 5,416                  | 3,668            | 694            | 1,054            | 36.9                         | 42.1  |
| Technical, sales, and administrative support .....        | 22,245        | 932                               | 5,076                  | 16,237                 | 12,668           | 1,842          | 1,727            | 35.3                         | 40.7  |
| Technicians and related support .....                     | 1,666         | 36                                | 280                    | 1,350                  | 1,029            | 176            | 145              | 37.3                         | 40.9  |
| Sales occupations .....                                   | 6,576         | 488                               | 2,136                  | 3,952                  | 2,689            | 507            | 755              | 33.6                         | 42.4  |
| Administrative support, including clerical .....          | 14,003        | 407                               | 2,661                  | 10,935                 | 8,950            | 1,159          | 827              | 35.8                         | 40.1  |
| Service occupations .....                                 | 8,832         | 956                               | 2,944                  | 4,932                  | 3,777            | 486            | 669              | 31.8                         | 41.5  |
| Private household .....                                   | 800           | 128                               | 366                    | 306                    | 197              | 35             | 74               | 26.5                         | 44.7  |
| Protective service .....                                  | 288           | 9                                 | 62                     | 217                    | 150              | 37             | 30               | 36.2                         | 42.3  |
| Service, except private household and protective .....    | 7,744         | 819                               | 2,516                  | 4,409                  | 3,430            | 413            | 565              | 32.2                         | 41.2  |
| Precision production, craft, and repair .....             | 1,119         | 54                                | 125                    | 940                    | 685              | 116            | 138              | 38.5                         | 41.7  |
| Operators, fabricators, and laborers .....                | 4,405         | 334                               | 523                    | 3,547                  | 2,735            | 475            | 337              | 37.3                         | 40.9  |
| Machine operators, assemblers, and inspectors .....       | 3,176         | 213                               | 210                    | 2,753                  | 2,137            | 374            | 242              | 38.5                         | 40.8  |
| Transportation and material moving occupations .....      | 402           | 38                                | 140                    | 224                    | 154              | 27             | 43               | 33.3                         | 42.8  |
| Handlers, equipment cleaners, helpers, and laborers ..... | 826           | 83                                | 173                    | 570                    | 444              | 74             | 52               | 34.7                         | 40.7  |

<sup>1</sup> Excludes farming, forestry, and fishing occupations.

<sup>2</sup> Data not shown where base is less than 35,000.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**35. Persons not in the labor force by reason, sex, and age**

(In thousands)

| Reason and sex                   | Total  |        | Age            |       |                |       |                |        |                   |        |
|----------------------------------|--------|--------|----------------|-------|----------------|-------|----------------|--------|-------------------|--------|
|                                  | 1988   | 1989   | 16 to 19 years |       | 20 to 24 years |       | 25 to 59 years |        | 60 years and over |        |
|                                  |        |        | 1988           | 1989  | 1988           | 1989  | 1988           | 1989   | 1988              | 1989   |
| <b>TOTAL</b>                     |        |        |                |       |                |       |                |        |                   |        |
| Total not in labor force .....   | 62,944 | 62,523 | 6,497          | 6,270 | 3,929          | 3,845 | 21,074         | 20,716 | 31,444            | 31,693 |
| Do not want a job now .....      | 57,571 | 57,128 | 5,349          | 5,151 | 3,177          | 3,085 | 18,203         | 17,795 | 30,841            | 31,097 |
| Current activity:                |        |        |                |       |                |       |                |        |                   |        |
| Going to school .....            | 6,383  | 6,423  | 4,131          | 4,116 | 1,427          | 1,476 | 808            | 804    | 14                | 26     |
| Ill, disabled .....              | 4,485  | 4,731  | 53             | 38    | 140            | 106   | 2,213          | 2,452  | 2,080             | 2,134  |
| Keeping house .....              | 25,139 | 24,046 | 343            | 334   | 1,175          | 1,121 | 12,131         | 11,500 | 11,491            | 11,091 |
| Retired .....                    | 16,930 | 17,791 | -              | -     | -              | -     | 445            | 461    | 16,484            | 17,330 |
| Other activity .....             | 4,634  | 4,138  | 822            | 663   | 435            | 382   | 2,606          | 2,578  | 772               | 516    |
| Want a job now .....             | 5,373  | 5,395  | 1,147          | 1,118 | 753            | 760   | 2,872          | 2,921  | 602               | 596    |
| Reason for not looking:          |        |        |                |       |                |       |                |        |                   |        |
| School attendance .....          | 1,353  | 1,355  | 843            | 827   | 237            | 257   | 267            | 265    | 6                 | 5      |
| Ill health, disability .....     | 805    | 925    | 21             | 14    | 47             | 50    | 558            | 681    | 178               | 180    |
| Home responsibility .....        | 1,168  | 1,219  | 65             | 60    | 209            | 213   | 843            | 899    | 51                | 47     |
| Think cannot get a job .....     | 954    | 859    | 92             | 102   | 125            | 104   | 577            | 485    | 160               | 168    |
| Job-market factors .....         | 619    | 551    | 49             | 55    | 86             | 63    | 415            | 353    | 67                | 80     |
| Personal factors .....           | 335    | 308    | 42             | 47    | 40             | 41    | 159            | 133    | 94                | 88     |
| Other reasons <sup>1</sup> ..... | 1,093  | 1,038  | 126            | 115   | 135            | 136   | 627            | 589    | 207               | 197    |
| <b>Men</b>                       |        |        |                |       |                |       |                |        |                   |        |
| Total not in labor force .....   | 20,930 | 20,923 | 3,144          | 3,007 | 1,337          | 1,284 | 4,256          | 4,246  | 12,193            | 12,385 |
| Do not want a job now .....      | 18,985 | 18,981 | 2,549          | 2,436 | 1,075          | 1,005 | 3,441          | 3,424  | 11,917            | 12,116 |
| Current activity                 |        |        |                |       |                |       |                |        |                   |        |
| Going to school .....            | 3,186  | 3,161  | 2,086          | 2,075 | 768            | 745   | 330            | 336    | 2                 | 5      |
| Ill, disabled .....              | 2,290  | 2,425  | 24             | 20    | 86             | 59    | 1,250          | 1,360  | 929               | 986    |
| Keeping house .....              | 438    | 405    | 24             | 13    | 11             | 17    | 162            | 138    | 240               | 237    |
| Retired .....                    | 10,575 | 10,898 | -              | -     | -              | -     | 334            | 340    | 10,240            | 10,558 |
| Other activity .....             | 2,496  | 2,092  | 415            | 329   | 210            | 184   | 1,365          | 1,249  | 506               | 330    |
| Want a job now .....             | 1,944  | 1,941  | 595            | 572   | 260            | 279   | 815            | 822    | 276               | 269    |
| Reason for not looking           |        |        |                |       |                |       |                |        |                   |        |
| School attendance .....          | 683    | 671    | 473            | 448   | 118            | 129   | 89             | 92     | 2                 | 3      |
| Ill health, disability .....     | 375    | 451    | 8              | 6     | 23             | 28    | 263            | 338    | 82                | 79     |
| Think cannot get a job .....     | 438    | 391    | 55             | 54    | 62             | 60    | 242            | 194    | 80                | 83     |
| Other reasons <sup>1</sup> ..... | 448    | 429    | 59             | 64    | 57             | 62    | 221            | 199    | 112               | 104    |
| <b>Women</b>                     |        |        |                |       |                |       |                |        |                   |        |
| Total not in labor force .....   | 42,014 | 41,601 | 3,352          | 3,262 | 2,593          | 2,561 | 16,818         | 16,470 | 19,251            | 19,308 |
| Do not want a job now .....      | 38,586 | 38,147 | 2,798          | 2,715 | 2,099          | 2,080 | 14,762         | 14,371 | 18,925            | 18,980 |
| Current activity                 |        |        |                |       |                |       |                |        |                   |        |
| Going to school .....            | 3,197  | 3,262  | 2,045          | 2,041 | 659            | 731   | 479            | 468    | 12                | 21     |
| Ill, disabled .....              | 2,195  | 2,306  | 27             | 18    | 53             | 47    | 961            | 1,092  | 1,152             | 1,148  |
| Keeping house .....              | 24,701 | 23,640 | 319            | 322   | 1,163          | 1,104 | 11,968         | 11,361 | 11,252            | 10,853 |
| Retired .....                    | 6,355  | 6,893  | -              | -     | -              | -     | 111            | 121    | 6,243             | 6,772  |
| Other activity .....             | 2,138  | 2,046  | 407            | 334   | 224            | 198   | 1,242          | 1,329  | 266               | 186    |
| Want a job now .....             | 3,429  | 3,454  | 552            | 547   | 494            | 481   | 2,059          | 2,098  | 326               | 328    |
| Reason for not looking           |        |        |                |       |                |       |                |        |                   |        |
| School attendance .....          | 670    | 683    | 370            | 379   | 118            | 128   | 178            | 173    | 4                 | 2      |
| Ill health, disability .....     | 430    | 474    | 14             | 8     | 24             | 22    | 296            | 344    | 96                | 101    |
| Home responsibility .....        | 1,168  | 1,219  | 65             | 60    | 209            | 213   | 843            | 899    | 51                | 47     |
| Think cannot get a job .....     | 516    | 469    | 37             | 48    | 64             | 44    | 335            | 292    | 81                | 85     |
| Other reasons <sup>1</sup> ..... | 645    | 609    | 66             | 51    | 79             | 74    | 407            | 390    | 94                | 93     |

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

totals because of differences in the weighting patterns used in aggregating these data.

NOTE: Detail in tables 35 and 36 may not add to not-in-labor-force

36. Persons not in the labor force by reason, race, Hispanic origin, age, and sex

(In thousands)

| Reason, race, and Hispanic origin | Total  |        | Age            |       |                |        |                   |        | Sex    |        |        |        |
|-----------------------------------|--------|--------|----------------|-------|----------------|--------|-------------------|--------|--------|--------|--------|--------|
|                                   | 1988   | 1989   | 16 to 24 years |       | 25 to 59 years |        | 60 years and over |        | Men    |        | Women  |        |
|                                   |        |        | 1988           | 1989  | 1988           | 1989   | 1988              | 1989   | 1988   | 1989   | 1988   | 1989   |
| <b>WHITE</b>                      |        |        |                |       |                |        |                   |        |        |        |        |        |
| Total not in labor force .....    | 53,439 | 52,983 | 7,862          | 7659  | 17,406         | 17040  | 28,171            | 28,284 | 17,538 | 17,480 | 35,901 | 35,504 |
| Do not want a job now .....       | 49,576 | 49,178 | 6,560          | 6,425 | 15,333         | 14,945 | 27,678            | 27,808 | 16,118 | 16,118 | 33,458 | 33,060 |
| Current activity:                 |        |        |                |       |                |        |                   |        |        |        |        |        |
| Going to school .....             | 4,870  | 4,980  | 4,253          | 4,361 | 604            | 597    | 12                | 22     | 2,447  | 2,454  | 2,423  | 2,526  |
| Ill, disabled .....               | 3,516  | 3,686  | 141            | 108   | 1,707          | 1,854  | 1,668             | 1,724  | 1,813  | 1,900  | 1,703  | 1,786  |
| Keeping house .....               | 22,287 | 21,249 | 1,228          | 1,171 | 10,575         | 10,033 | 10,483            | 10,045 | 346    | 322    | 21,941 | 20,927 |
| Retired .....                     | 15,228 | 15,943 | -              | -     | 402            | 405    | 14,823            | 15,538 | 9,569  | 9,788  | 5,659  | 6,155  |
| Other activity .....              | 3,675  | 3,319  | 938            | 785   | 2,045          | 2,057  | 692               | 478    | 1,943  | 1,654  | 1,732  | 1,665  |
| Want a job now .....              | 3,863  | 3,832  | 1,298          | 1,248 | 2,072          | 2,099  | 492               | 485    | 1,419  | 1,377  | 2,444  | 2,455  |
| Reason for not looking:           |        |        |                |       |                |        |                   |        |        |        |        |        |
| School attendance .....           | 928    | 941    | 751            | 747   | 173            | 191    | 4                 | 4      | 477    | 469    | 451    | 472    |
| Ill health, disability .....      | 585    | 655    | 47             | 45    | 401            | 479    | 137               | 131    | 284    | 322    | 301    | 333    |
| Home responsibility .....         | 833    | 854    | 171            | 160   | 622            | 656    | 40                | 39     | -      | -      | 833    | 854    |
| Think cannot get a job .....      | 639    | 558    | 124            | 111   | 383            | 308    | 129               | 140    | 301    | 248    | 338    | 310    |
| Other reasons <sup>1</sup> .....  | 878    | 823    | 205            | 186   | 493            | 466    | 182               | 172    | 357    | 337    | 521    | 486    |
| <b>BLACK</b>                      |        |        |                |       |                |        |                   |        |        |        |        |        |
| Total not in labor force .....    | 7,487  | 7,524  | 2,036          | 1,941 | 2,724          | 2,777  | 2,728             | 2,806  | 2,694  | 2,738  | 4,793  | 4,786  |
| Do not want a job now .....       | 6,215  | 6,160  | 1,519          | 1,383 | 2,064          | 2,072  | 2,630             | 2,704  | 2,273  | 2,256  | 3,941  | 3,904  |
| Current activity:                 |        |        |                |       |                |        |                   |        |        |        |        |        |
| Going to school .....             | 1,066  | 1,012  | 974            | 912   | 91             | 97     | -                 | 2      | 502    | 476    | 564    | 536    |
| Ill, disabled .....               | 877    | 939    | 45             | 33    | 448            | 530    | 384               | 376    | 425    | 467    | 452    | 471    |
| Keeping house .....               | 2,080  | 2,052  | 243            | 227   | 1,040          | 984    | 796               | 841    | 71     | 64     | 2,008  | 1,989  |
| Retired .....                     | 1,447  | 1,494  | -              | -     | 37             | 41     | 1,384             | 1,454  | 839    | 892    | 608    | 602    |
| Other activity .....              | 745    | 662    | 257            | 211   | 448            | 420    | 66                | 32     | 437    | 357    | 308    | 306    |
| Want a job now .....              | 1,272  | 1,364  | 513            | 557   | 660            | 705    | 100               | 101    | 421    | 482    | 853    | 882    |
| Reason for not looking:           |        |        |                |       |                |        |                   |        |        |        |        |        |
| School attendance .....           | 347    | 350    | 277            | 292   | 69             | 56     | 1                 | 1      | 160    | 165    | 187    | 184    |
| Ill health, disability .....      | 201    | 255    | 18             | 19    | 144            | 189    | 39                | 47     | 82     | 120    | 119    | 135    |
| Home responsibility .....         | 291    | 320    | 92             | 101   | 187            | 211    | 11                | 8      | -      | -      | 291    | 320    |
| Think cannot get a job .....      | 261    | 262    | 82             | 89    | 154            | 149    | 26                | 24     | 108    | 120    | 153    | 142    |
| Other reasons <sup>1</sup> .....  | 173    | 177    | 44             | 57    | 106            | 99     | 23                | 21     | 71     | 76     | 103    | 101    |
| <b>HISPANIC ORIGIN</b>            |        |        |                |       |                |        |                   |        |        |        |        |        |
| Total not in labor force .....    | 4,342  | 4,468  | 1,145          | 1,186 | 2,085          | 2,097  | 1,112             | 1,185  | 1,195  | 1,230  | 3,147  | 3,237  |
| Do not want a job now .....       | 3,784  | 3,931  | 921            | 984   | 1,783          | 1,793  | 1,082             | 1,154  | 1,004  | 1,047  | 2,778  | 2,885  |
| Current activity:                 |        |        |                |       |                |        |                   |        |        |        |        |        |
| Going to school .....             | 531    | 603    | 473            | 542   | 59             | 59     | -                 | 2      | 257    | 268    | 274    | 335    |
| Ill, disabled .....               | 343    | 361    | 27             | 16    | 204            | 243    | 113               | 101    | 185    | 188    | 157    | 173    |
| Keeping house .....               | 2,057  | 2,057  | 299            | 311   | 1,305          | 1,276  | 453               | 470    | 46     | 44     | 2,010  | 2,013  |
| Retired .....                     | 508    | 584    | -              | -     | 15             | 17     | 492               | 567    | 328    | 368    | 180    | 216    |
| Other activity .....              | 345    | 326    | 122            | 115   | 200            | 198    | 24                | 14     | 188    | 179    | 157    | 147    |
| Want a job now .....              | 559    | 522    | 226            | 195   | 300            | 300    | 29                | 27     | 190    | 154    | 369    | 368    |
| Reason for not looking:           |        |        |                |       |                |        |                   |        |        |        |        |        |
| School attendance .....           | 132    | 118    | 105            | 96    | 26             | 23     | -                 | -      | 63     | 53     | 69     | 65     |
| Ill health, disability .....      | 62     | 65     | 7              | 9     | 43             | 45     | 12                | 11     | 31     | 32     | 32     | 33     |
| Home responsibility .....         | 148    | 153    | 46             | 39    | 101            | 115    | 1                 | -      | -      | -      | 148    | 153    |
| Think cannot get a job .....      | 122    | 94     | 34             | 27    | 80             | 58     | 7                 | 10     | 55     | 35     | 67     | 60     |
| Other reasons <sup>1</sup> .....  | 95     | 91     | 34             | 24    | 50             | 60     | 9                 | 7      | 41     | 34     | 53     | 57     |

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the other races are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**37. Persons not in the labor force who desire work but think cannot get jobs by reason, sex, age, race, and Hispanic origin**

(in thousands)

| Reason and sex                         | 1989  |                |                |                |                   |                          |       |                 |
|--|-------|----------------|----------------|----------------|-------------------|--------------------------|-------|-----------------|
|  | Total | Age            |                |                |                   | Race and Hispanic origin |       |                 |
|  |       | 16 to 19 years | 20 to 24 years | 25 to 59 years | 60 years and over | White                    | Black | Hispanic origin |
| <b>TOTAL</b>                           |       |                |                |                |                   |                          |       |                 |
| Personal factors:                      |       |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 102   | 13             | 1              | 15             | 72                | 84                       | 16    | 7               |
| Lacks education or training .....      | 129   | 24             | 30             | 66             | 9                 | 75                       | 45    | 13              |
| Other personal handicap .....          | 77    | 10             | 9              | 51             | 6                 | 52                       | 22    | 10              |
| Job-market factors:                    |       |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 311   | 44             | 45             | 187            | 35                | 174                      | 126   | 45              |
| Thinks no job available .....          | 240   | 12             | 18             | 166            | 45                | 174                      | 53    | 20              |
| <b>Men</b>                             |       |                |                |                |                   |                          |       |                 |
| Personal factors:                      |       |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 49    | 8              | -              | 4              | 37                | 40                       | 9     | 6               |
| Lacks education or training .....      | 51    | 7              | 15             | 27             | 1                 | 24                       | 21    | 1               |
| Other personal handicap .....          | 33    | 7              | 3              | 22             | 2                 | 24                       | 8     | 2               |
| Job-market factors:                    |       |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 153   | 24             | 30             | 84             | 16                | 89                       | 60    | 20              |
| Thinks no job available .....          | 104   | 9              | 13             | 56             | 27                | 72                       | 23    | 5               |
| <b>Women</b>                           |       |                |                |                |                   |                          |       |                 |
| Personal factors:                      |       |                |                |                |                   |                          |       |                 |
| Employers think too young or old ..... | 53    | 5              | 1              | 11             | 36                | 43                       | 7     | 1               |
| Lacks education or training .....      | 79    | 17             | 15             | 39             | 7                 | 52                       | 25    | 12              |
| Other personal handicap .....          | 44    | 4              | 6              | 29             | 5                 | 28                       | 14    | 7               |
| Job-market factors:                    |       |                |                |                |                   |                          |       |                 |
| Could not find work .....              | 158   | 20             | 16             | 103            | 19                | 85                       | 66    | 25              |
| Thinks no job available .....          | 136   | 3              | 5              | 110            | 18                | 102                      | 30    | 15              |

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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**38. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race**

(In thousands)

| Work-seeking intentions, work history, and sex  | Total  |        | Age            |       |                |        |                   |        | Race   |        |       |       |
|---|--------|--------|----------------|-------|----------------|--------|-------------------|--------|--------|--------|-------|-------|
|   | 1988   | 1989   | 16 to 24 years |       | 25 to 59 years |        | 60 years and over |        | White  |        | Black |       |
|   |        |        | 1988           | 1989  | 1988           | 1989   | 1988              | 1989   | 1988   | 1989   | 1988  | 1989  |
| <b>TOTAL</b>                                    |        |        |                |       |                |        |                   |        |        |        |       |       |
| Do not intend to seek work .....                | 53,987 | 53,350 | 5,920          | 5,535 | 17,181         | 16,716 | 30,886            | 31,099 | 46,495 | 45,894 | 5,857 | 5,830 |
| Intend to seek work in the next 12 months ..... | 8,954  | 9,174  | 4,504          | 4,580 | 3,893          | 3,999  | 557               | 594    | 6,941  | 7,116  | 1,630 | 1,694 |
| Never worked .....                              | 1,511  | 1,453  | 1,341          | 1,272 | 164            | 175    | 7                 | 6      | 999    | 952    | 419   | 404   |
| Last worked over 5 years ago .....              | 1,152  | 1,047  | 51             | 36    | 912            | 812    | 189               | 200    | 840    | 773    | 266   | 246   |
| Last worked 1 to 5 years ago .....              | 1,878  | 1,970  | 513            | 541   | 1,188          | 1,241  | 177               | 188    | 1,432  | 1,508  | 368   | 381   |
| Worked during the previous 12 months .....      | 4,412  | 4,703  | 2,599          | 2,731 | 1,628          | 1,771  | 184               | 201    | 3,670  | 3,882  | 578   | 662   |
| <b>Men</b>                                      |        |        |                |       |                |        |                   |        |        |        |       |       |
| Do not intend to seek work .....                | 17,567 | 17,497 | 2,370          | 2,129 | 3,263          | 3,255  | 11,933            | 12,114 | 14,903 | 14,824 | 2,126 | 2,132 |
| Intend to seek work in the next 12 months ..... | 3,361  | 3,426  | 2,110          | 2,163 | 992            | 991    | 259               | 271    | 2,634  | 2,671  | 569   | 606   |
| Never worked .....                              | 652    | 665    | 618            | 624   | 34             | 41     | -                 | -      | 438    | 439    | 178   | 185   |
| Last worked over 5 years ago .....              | 246    | 225    | 16             | 10    | 161            | 137    | 70                | 78     | 175    | 160    | 53    | 57    |
| Last worked 1 to 5 years ago .....              | 583    | 570    | 182            | 189   | 304            | 284    | 96                | 98     | 455    | 432    | 99    | 108   |
| Worked during the previous 12 months .....      | 1,880  | 1,966  | 1,294          | 1,340 | 491            | 530    | 94                | 95     | 1,567  | 1,640  | 239   | 256   |
| <b>Women</b>                                    |        |        |                |       |                |        |                   |        |        |        |       |       |
| Do not intend to seek work .....                | 36,420 | 35,853 | 3,550          | 3,406 | 13,917         | 13,462 | 18,952            | 18,985 | 31,592 | 31,070 | 3,731 | 3,698 |
| Intend to seek work in the next 12 months ..... | 5,593  | 5,748  | 2,394          | 2,417 | 2,899          | 3,008  | 299               | 323    | 4,307  | 4,444  | 1,062 | 1,088 |
| Never worked .....                              | 859    | 789    | 723            | 648   | 130            | 134    | 7                 | 6      | 561    | 513    | 240   | 218   |
| Last worked over 5 years ago .....              | 906    | 822    | 36             | 26    | 751            | 675    | 119               | 122    | 665    | 613    | 213   | 189   |
| Last worked 1 to 5 years ago .....              | 1,295  | 1,400  | 331            | 353   | 883            | 957    | 81                | 90     | 977    | 1,076  | 269   | 274   |
| Worked during the previous 12 months .....      | 2,533  | 2,737  | 1,305          | 1,391 | 1,137          | 1,241  | 91                | 105    | 2,103  | 2,242  | 339   | 407   |

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**39. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin**

(Numbers in thousands)

| Employment status, sex, and age            | Total   |         | White   |         | Black  |        | Hispanic origin |        |
|--|---------|---------|---------|---------|--------|--------|-----------------|--------|
|  | 1988    | 1989    | 1988    | 1989    | 1988   | 1989   | 1988            | 1989   |
| <b>TOTAL</b>                               |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 184,613 | 186,393 | 158,194 | 159,338 | 20,692 | 21,021 | 13,325          | 13,791 |
| Civilian labor force .....                 | 121,669 | 123,869 | 104,756 | 106,355 | 13,205 | 13,497 | 8,982           | 9,323  |
| Percent of population .....                | 65.9    | 66.5    | 66.2    | 66.7    | 63.8   | 64.2   | 67.4            | 67.6   |
| Employed .....                             | 114,968 | 117,342 | 99,812  | 101,584 | 11,658 | 11,953 | 8,250           | 8,573  |
| Agriculture .....                          | 3,169   | 3,199   | 2,965   | 2,996   | 153    | 150    | 407             | 440    |
| Nonagricultural industries .....           | 111,800 | 114,142 | 96,846  | 98,588  | 11,505 | 11,803 | 7,843           | 8,133  |
| Unemployed .....                           | 6,701   | 6,528   | 4,944   | 4,770   | 1,547  | 1,544  | 732             | 750    |
| Unemployment rate .....                    | 5.5     | 5.3     | 4.7     | 4.5     | 11.7   | 11.4   | 8.2             | 8.0    |
| Not in labor force .....                   | 62,944  | 62,523  | 53,439  | 52,983  | 7,487  | 7,524  | 4,342           | 4,468  |
| <b>Men, 16 years and over</b>              |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 87,857  | 88,762  | 75,855  | 76,468  | 9,289  | 9,439  | 6,604           | 6,825  |
| Civilian labor force .....                 | 66,927  | 67,840  | 58,317  | 58,988  | 6,596  | 6,701  | 5,409           | 5,595  |
| Percent of population .....                | 76.2    | 76.4    | 76.9    | 77.1    | 71.0   | 71.0   | 81.9            | 82.0   |
| Employed .....                             | 63,273  | 64,315  | 55,550  | 56,352  | 5,824  | 5,928  | 4,972           | 5,172  |
| Agriculture .....                          | 2,493   | 2,513   | 2,318   | 2,345   | 133    | 127    | 356             | 393    |
| Nonagricultural industries .....           | 60,780  | 61,802  | 53,232  | 54,007  | 5,691  | 5,802  | 4,616           | 4,779  |
| Unemployed .....                           | 3,655   | 3,525   | 2,766   | 2,636   | 771    | 773    | 437             | 423    |
| Unemployment rate .....                    | 5.5     | 5.2     | 4.7     | 4.5     | 11.7   | 11.5   | 8.1             | 7.6    |
| Not in labor force .....                   | 20,930  | 20,923  | 17,538  | 17,480  | 2,694  | 2,738  | 1,195           | 1,230  |
| <b>Men, 20 years and over</b>              |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 80,553  | 81,619  | 69,887  | 70,654  | 8,215  | 8,364  | 5,921           | 6,114  |
| Civilian labor force .....                 | 62,768  | 63,704  | 54,734  | 55,441  | 6,127  | 6,221  | 5,031           | 5,195  |
| Percent of population .....                | 77.9    | 78.1    | 78.3    | 78.5    | 74.6   | 74.4   | 85.0            | 85.0   |
| Employed .....                             | 59,781  | 60,837  | 52,466  | 53,292  | 5,509  | 5,602  | 4,680           | 4,853  |
| Agriculture .....                          | 2,271   | 2,307   | 2,104   | 2,149   | 129    | 119    | 327             | 366    |
| Nonagricultural industries .....           | 57,510  | 58,530  | 50,362  | 51,143  | 5,381  | 5,483  | 4,353           | 4,487  |
| Unemployed .....                           | 2,987   | 2,867   | 2,268   | 2,149   | 617    | 619    | 351             | 342    |
| Unemployment rate .....                    | 4.8     | 4.5     | 4.1     | 3.9     | 10.1   | 10.0   | 7.0             | 6.6    |
| Not in labor force .....                   | 17,785  | 17,915  | 15,153  | 15,213  | 2,089  | 2,143  | 890             | 919    |
| <b>Women, 16 years and over</b>            |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 96,756  | 97,630  | 82,340  | 82,871  | 11,402 | 11,582 | 6,721           | 6,965  |
| Civilian labor force .....                 | 54,742  | 56,030  | 46,439  | 47,367  | 6,609  | 6,796  | 3,573           | 3,728  |
| Percent of population .....                | 56.6    | 57.4    | 56.4    | 57.2    | 58.0   | 58.7   | 53.2            | 53.5   |
| Employed .....                             | 51,696  | 53,027  | 44,262  | 45,232  | 5,834  | 6,025  | 3,278           | 3,401  |
| Agriculture .....                          | 676     | 687     | 648     | 651     | 20     | 24     | 51              | 48     |
| Nonagricultural industries .....           | 51,020  | 52,341  | 43,614  | 44,581  | 5,814  | 6,001  | 3,227           | 3,353  |
| Unemployed .....                           | 3,046   | 3,003   | 2,177   | 2,135   | 776    | 772    | 296             | 327    |
| Unemployment rate .....                    | 5.6     | 5.4     | 4.7     | 4.5     | 11.7   | 11.4   | 8.3             | 8.8    |
| Not in labor force .....                   | 42,014  | 41,601  | 35,901  | 35,504  | 4,793  | 4,786  | 3,147           | 3,237  |
| <b>Women, 20 years and over</b>            |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 89,532  | 90,550  | 76,470  | 77,154  | 10,298 | 10,482 | 6,050           | 6,278  |
| Civilian labor force .....                 | 50,870  | 52,212  | 43,081  | 44,105  | 6,190  | 6,352  | 3,281           | 3,448  |
| Percent of population .....                | 56.8    | 57.7    | 56.3    | 57.2    | 60.1   | 60.6   | 54.2            | 54.9   |
| Employed .....                             | 48,383  | 49,745  | 41,316  | 42,346  | 5,548  | 5,727  | 3,047           | 3,172  |
| Agriculture .....                          | 625     | 642     | 599     | 608     | 18     | 23     | 49              | 44     |
| Nonagricultural industries .....           | 47,757  | 49,103  | 40,717  | 41,738  | 5,530  | 5,703  | 2,998           | 3,128  |
| Unemployed .....                           | 2,487   | 2,467   | 1,766   | 1,758   | 642    | 625    | 234             | 276    |
| Unemployment rate .....                    | 4.9     | 4.7     | 4.1     | 4.0     | 10.4   | 9.8    | 7.1             | 8.0    |
| Not in labor force .....                   | 38,662  | 38,339  | 33,389  | 33,050  | 4,108  | 4,130  | 2,769           | 2,830  |
| <b>Both sexes, 16 to 19 years</b>          |         |         |         |         |        |        |                 |        |
| Civilian noninstitutional population ..... | 14,527  | 14,223  | 11,838  | 11,530  | 2,179  | 2,176  | 1,354           | 1,399  |
| Civilian labor force .....                 | 8,031   | 7,954   | 6,940   | 6,809   | 889    | 925    | 671             | 680    |
| Percent of population .....                | 55.3    | 55.9    | 58.6    | 59.1    | 40.8   | 42.5   | 49.6            | 48.6   |
| Employed .....                             | 6,805   | 6,759   | 6,030   | 5,946   | 601    | 625    | 523             | 548    |
| Agriculture .....                          | 273     | 250     | 263     | 239     | 7      | 8      | 32              | 31     |
| Nonagricultural industries .....           | 6,532   | 6,510   | 5,767   | 5,707   | 594    | 617    | 492             | 517    |
| Unemployed .....                           | 1,226   | 1,194   | 910     | 863     | 288    | 300    | 148             | 132    |
| Unemployment rate .....                    | 15.3    | 15.0    | 13.1    | 12.7    | 32.4   | 32.4   | 22.0            | 19.4   |
| Not in labor force .....                   | 6,497   | 6,270   | 4,897   | 4,721   | 1,291  | 1,251  | 683             | 719    |

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.

40. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

| Employment status, sex, and age            | Total Hispanic origin <sup>1</sup> |        | Mexican origin |       | Puerto Rican origin |       | Cuban origin     |                  |
|--|------------------------------------|--------|----------------|-------|---------------------|-------|------------------|------------------|
|  | 1988                               | 1989   | 1988           | 1989  | 1988                | 1989  | 1988             | 1989             |
| <b>TOTAL</b>                               |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 13,325                             | 13,791 | 8,013          | 8,295 | 1,599               | 1,545 | 849              | 886              |
| Civilian labor force .....                 | 8,982                              | 9,323  | 5,572          | 5,740 | 883                 | 889   | 565              | 562              |
| Percent of population .....                | 67.4                               | 67.6   | 69.5           | 69.2  | 55.2                | 57.5  | 66.5             | 63.5             |
| Employed .....                             | 8,250                              | 8,573  | 5,066          | 5,247 | 807                 | 803   | 537              | 531              |
| Agriculture .....                          | 407                                | 440    | 369            | 396   | 4                   | 7     | 5                | 5                |
| Nonagricultural industries .....           | 7,843                              | 8,133  | 4,696          | 4,851 | 803                 | 796   | 532              | 526              |
| Unemployed .....                           | 732                                | 750    | 506            | 493   | 76                  | 86    | 28               | 31               |
| Unemployment rate .....                    | 8.2                                | 8.0    | 9.1            | 8.6   | 8.6                 | 9.6   | 5.0              | 5.6              |
| Not in labor force .....                   | 4,342                              | 4,468  | 2,441          | 2,555 | 716                 | 656   | 284              | 324              |
| <b>Men, 16 years and over</b>              |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 6,604                              | 6,825  | 4,133          | 4,249 | 705                 | 685   | 417              | 426              |
| Civilian labor force .....                 | 5,409                              | 5,595  | 3,482          | 3,540 | 513                 | 520   | 329              | 330              |
| Percent of population .....                | 81.9                               | 82.0   | 84.2           | 83.3  | 72.8                | 75.9  | 78.9             | 77.4             |
| Employed .....                             | 4,972                              | 5,172  | 3,177          | 3,259 | 467                 | 469   | 313              | 313              |
| Agriculture .....                          | 356                                | 393    | 324            | 354   | 4                   | 6     | 4                | 4                |
| Nonagricultural industries .....           | 4,616                              | 4,779  | 2,853          | 2,905 | 462                 | 463   | 308              | 309              |
| Unemployed .....                           | 437                                | 423    | 304            | 281   | 46                  | 51    | 16               | 17               |
| Unemployment rate .....                    | 8.1                                | 7.6    | 8.7            | 7.9   | 9.0                 | 9.9   | 4.8              | 5.3              |
| Not in labor force .....                   | 1,195                              | 1,230  | 652            | 709   | 192                 | 165   | 88               | 96               |
| <b>Men, 20 years and over</b>              |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 5,921                              | 6,114  | 3,670          | 3,769 | 634                 | 611   | 394              | 402              |
| Civilian labor force .....                 | 5,031                              | 5,195  | 3,204          | 3,252 | 483                 | 486   | 319              | 320              |
| Percent of population .....                | 85.0                               | 85.0   | 87.3           | 86.3  | 76.2                | 79.6  | 81.0             | 79.6             |
| Employed .....                             | 4,680                              | 4,853  | 2,966          | 3,032 | 443                 | 445   | 304              | 303              |
| Agriculture .....                          | 327                                | 366    | 299            | 330   | 4                   | 6     | 4                | 3                |
| Nonagricultural industries .....           | 4,353                              | 4,487  | 2,667          | 2,701 | 439                 | 439   | 300              | 300              |
| Unemployed .....                           | 351                                | 342    | 237            | 221   | 40                  | 41    | 15               | 17               |
| Unemployment rate .....                    | 7.0                                | 6.6    | 7.4            | 6.8   | 8.2                 | 8.5   | 4.7              | 5.3              |
| Not in labor force .....                   | 890                                | 919    | 466            | 517   | 152                 | 124   | 75               | 82               |
| <b>Women, 16 years and over</b>            |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 6,721                              | 6,965  | 3,880          | 4,046 | 894                 | 860   | 432              | 460              |
| Civilian labor force .....                 | 3,573                              | 3,728  | 2,090          | 2,200 | 370                 | 369   | 237              | 232              |
| Percent of population .....                | 53.2                               | 53.5   | 53.9           | 54.4  | 41.4                | 42.9  | 54.9             | 50.5             |
| Employed .....                             | 3,278                              | 3,401  | 1,889          | 1,988 | 340                 | 334   | 224              | 218              |
| Agriculture .....                          | 51                                 | 48     | 45             | 42    | -                   | 1     | 1                | 1                |
| Nonagricultural industries .....           | 3,227                              | 3,353  | 1,843          | 1,946 | 340                 | 333   | 223              | 217              |
| Unemployed .....                           | 296                                | 327    | 201            | 212   | 30                  | 34    | 12               | 14               |
| Unemployment rate .....                    | 8.3                                | 8.8    | 9.6            | 9.6   | 8.1                 | 9.3   | 5.2              | 6.0              |
| Not in labor force .....                   | 3,147                              | 3,237  | 1,790          | 1,846 | 524                 | 491   | 195              | 228              |
| <b>Women, 20 years and over</b>            |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 6,050                              | 6,278  | 3,438          | 3,594 | 801                 | 775   | 409              | 437              |
| Civilian labor force .....                 | 3,281                              | 3,448  | 1,886          | 2,002 | 342                 | 340   | 226              | 223              |
| Percent of population .....                | 54.2                               | 54.9   | 54.9           | 55.7  | 42.7                | 43.9  | 55.3             | 51.1             |
| Employed .....                             | 3,047                              | 3,172  | 1,730          | 1,826 | 319                 | 312   | 215              | 210              |
| Agriculture .....                          | 49                                 | 44     | 43             | 39    | -                   | 1     | 1                | 1                |
| Nonagricultural industries .....           | 2,998                              | 3,128  | 1,687          | 1,788 | 319                 | 311   | 214              | 209              |
| Unemployed .....                           | 234                                | 276    | 156            | 176   | 23                  | 29    | 11               | 13               |
| Unemployment rate .....                    | 7.1                                | 8.0    | 8.3            | 8.8   | 6.7                 | 8.5   | 5.0              | 5.9              |
| Not in labor force .....                   | 2,769                              | 2,830  | 1,553          | 1,592 | 459                 | 434   | 183              | 214              |
| <b>Both sexes, 16 to 19 years</b>          |                                    |        |                |       |                     |       |                  |                  |
| Civilian noninstitutional population ..... | 1,354                              | 1,399  | 905            | 932   | 163                 | 159   | 46               | 47               |
| Civilian labor force .....                 | 671                                | 680    | 482            | 486   | 59                  | 62    | 20               | 19               |
| Percent of population .....                | 49.6                               | 48.6   | 53.3           | 52.1  | 36.2                | 38.8  | 43.5             | 40.7             |
| Employed .....                             | 523                                | 548    | 369            | 389   | 45                  | 46    | 18               | 18               |
| Agriculture .....                          | 32                                 | 31     | 27             | 27    | -                   | -     | -                | -                |
| Nonagricultural industries .....           | 492                                | 517    | 342            | 362   | 45                  | 46    | 18               | 18               |
| Unemployed .....                           | 148                                | 132    | 113            | 96    | 14                  | 15    | 2                | 1                |
| Unemployment rate .....                    | 22.0                               | 19.4   | 23.4           | 19.9  | 23.2                | 24.9  | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Not in labor force .....                   | 683                                | 719    | 423            | 446   | 105                 | 97    | 25               | 28               |

<sup>1</sup> Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

<sup>2</sup> Data not shown where base is less than 35,000.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**41. Employed civilians by selected social and economic categories, race, and Hispanic origin**

(In thousands)

| Category  | Total   |         | White  |         | Black  |        | Hispanic origin |       |
|---|---------|---------|--------|---------|--------|--------|-----------------|-------|
|   | 1988    | 1989    | 1988   | 1989    | 1988   | 1989   | 1988            | 1989  |
| <b>CHARACTERISTIC</b>   |         |         |        |         |        |        |                 |       |
| Total (all civilian workers) .....                              | 114,968 | 117,342 | 99,812 | 101,584 | 11,658 | 11,953 | 8,250           | 8,573 |
| Men .....   | 63,273  | 64,315  | 55,550 | 56,352  | 5,824  | 5,928  | 4,972           | 5,172 |
| Women .....   | 51,696  | 53,027  | 44,262 | 45,232  | 5,834  | 6,025  | 3,278           | 3,401 |
| <b>OCCUPATION</b>   |         |         |        |         |        |        |                 |       |
| Managerial and professional specialty .....                     | 29,190  | 30,398  | 26,408 | 27,459  | 1,794  | 1,862  | 1,086           | 1,126 |
| Executive, administrative, and managerial .....                 | 14,216  | 14,848  | 13,022 | 13,555  | 789    | 840    | 570             | 599   |
| Professional specialty .....                                    | 14,974  | 15,550  | 13,386 | 13,903  | 1,005  | 1,022  | 516             | 527   |
| Technical, sales, and administrative support .....              | 35,532  | 36,127  | 31,178 | 31,619  | 3,239  | 3,346  | 2,064           | 2,057 |
| Technicians and related support .....                           | 3,521   | 3,645   | 3,019  | 3,125   | 329    | 347    | 152             | 157   |
| Sales occupations .....   | 13,747  | 14,065  | 12,495 | 12,741  | 839    | 906    | 730             | 730   |
| Administrative support, including clerical .....                | 18,264  | 18,416  | 15,664 | 15,752  | 2,071  | 2,094  | 1,182           | 1,169 |
| Service occupations .....                                       | 15,332  | 15,556  | 12,105 | 12,237  | 2,698  | 2,731  | 1,560           | 1,684 |
| Private household .....   | 909     | 872     | 687    | 628     | 205    | 219    | 152             | 138   |
| Protective service .....  | 1,944   | 1,960   | 1,584  | 1,594   | 324    | 329    | 122             | 113   |
| Service, except private household and protective .....          | 12,479  | 12,724  | 9,834  | 10,016  | 2,169  | 2,184  | 1,286           | 1,433 |
| Precision production, craft, and repair .....                   | 13,664  | 13,818  | 12,305 | 12,369  | 1,029  | 1,089  | 1,116           | 1,173 |
| Mechanics and repairers .....                                   | 4,454   | 4,550   | 4,033  | 4,096   | 317    | 350    | 337             | 338   |
| Construction trades .....                                       | 5,098   | 5,142   | 4,656  | 4,668   | 363    | 371    | 419             | 451   |
| Other precision production, craft, and repair .....             | 4,112   | 4,126   | 3,616  | 3,604   | 349    | 368    | 360             | 384   |
| Operators, fabricators, and laborers .....                      | 17,814  | 18,022  | 14,665 | 14,752  | 2,672  | 2,714  | 1,975           | 2,059 |
| Machine operators, assemblers, and inspectors .....             | 8,117   | 8,248   | 6,642  | 6,721   | 1,197  | 1,202  | 1,079           | 1,121 |
| Transportation and material moving occupations .....            | 4,831   | 4,886   | 4,027  | 4,080   | 719    | 712    | 343             | 371   |
| Handlers, equipment cleaners, helpers, and laborers .....       | 4,866   | 4,888   | 3,997  | 3,950   | 755    | 800    | 552             | 567   |
| Construction laborers .....                                     | 799     | 755     | 661    | 619     | 121    | 117    | 122             | 114   |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 4,068   | 4,133   | 3,336  | 3,330   | 634    | 683    | 430             | 453   |
| Farming, forestry, and fishing .....                            | 3,437   | 3,421   | 3,150  | 3,149   | 226    | 210    | 448             | 474   |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>                       |         |         |        |         |        |        |                 |       |
| Agriculture:  |         |         |        |         |        |        |                 |       |
| Wage and salary workers .....                                   | 1,621   | 1,665   | 1,461  | 1,506   | 128    | 125    | 348             | 389   |
| Self-employed workers .....                                     | 1,398   | 1,403   | 1,356  | 1,361   | 26     | 24     | 55              | 49    |
| Unpaid family workers .....                                     | 150     | 131     | 148    | 129     | -      | 1      | 4               | 2     |
| Nonagricultural industries:                                     |         |         |        |         |        |        |                 |       |
| Wage and salary workers .....                                   | 103,021 | 105,259 | 88,771 | 90,401  | 11,110 | 11,410 | 7,369           | 7,635 |
| Government .....  | 17,114  | 17,469  | 13,915 | 14,196  | 2,616  | 2,675  | 985             | 947   |
| Private industries .....  | 85,907  | 87,790  | 74,857 | 76,205  | 8,494  | 8,735  | 6,384           | 6,688 |
| Private households .....  | 1,153   | 1,101   | 869    | 803     | 261    | 266    | 177             | 161   |
| Other industries .....  | 84,754  | 86,689  | 73,988 | 75,401  | 8,233  | 8,469  | 6,207           | 6,527 |
| Self-employed workers .....                                     | 8,519   | 8,605   | 7,843  | 7,930   | 388    | 387    | 453             | 481   |
| Unpaid family workers .....                                     | 260     | 279     | 232    | 257     | 6      | 6      | 21              | 17    |
| <b>FULL- AND PART-TIME STATUS<sup>1</sup></b>                   |         |         |        |         |        |        |                 |       |
| Full-time schedules .....                                       | 93,454  | 95,639  | 80,940 | 82,571  | 9,643  | 9,930  | 6,870           | 7,187 |
| Part time for economic reasons .....                            | 5,206   | 4,894   | 4,228  | 3,963   | 818    | 781    | 621             | 586   |
| Part time for noneconomic reasons .....                         | 16,308  | 16,809  | 14,643 | 15,051  | 1,198  | 1,242  | 759             | 800   |

<sup>1</sup> Employed persons "with a job but not at work" are distributed according to whether they usually work full or part time.  
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.



42. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

(In thousands)

| Category  | Total Hispanic origin <sup>1</sup> |       | Mexican origin |       | Puerto Rican origin |      | Cuban origin |      |
|---|------------------------------------|-------|----------------|-------|---------------------|------|--------------|------|
|   | 1988                               | 1989  | 1988           | 1989  | 1988                | 1989 | 1988         | 1989 |
| <b>CHARACTERISTIC</b>   |                                    |       |                |       |                     |      |              |      |
| Total (all civilian workers) .....                              | 8,250                              | 8,573 | 5,066          | 5,247 | 807                 | 803  | 537          | 531  |
| Men .....   | 4,972                              | 5,172 | 3,177          | 3,259 | 467                 | 469  | 313          | 313  |
| Women .....   | 3,278                              | 3,401 | 1,889          | 1,988 | 340                 | 334  | 224          | 218  |
| <b>OCCUPATION</b>   |                                    |       |                |       |                     |      |              |      |
| Managerial and professional specialty .....                     | 1,086                              | 1,126 | 519            | 552   | 126                 | 124  | 130          | 126  |
| Executive, administrative, and managerial .....                 | 570                                | 599   | 276            | 298   | 65                  | 69   | 77           | 76   |
| Professional specialty .....                                    | 516                                | 527   | 244            | 255   | 61                  | 55   | 53           | 50   |
| Technical, sales, and administrative support .....              | 2,064                              | 2,057 | 1,120          | 1,127 | 232                 | 240  | 186          | 178  |
| Technicians and related support .....                           | 152                                | 157   | 78             | 79    | 18                  | 21   | 11           | 13   |
| Sales occupations .....   | 730                                | 730   | 401            | 408   | 50                  | 61   | 68           | 71   |
| Administrative support, including clerical .....                | 1,182                              | 1,169 | 640            | 640   | 163                 | 157  | 106          | 95   |
| Service occupations .....                                       | 1,560                              | 1,684 | 970            | 1,014 | 143                 | 145  | 60           | 72   |
| Private household .....   | 152                                | 138   | 81             | 65    | 3                   | 3    | 3            | 2    |
| Protective service .....  | 122                                | 113   | 79             | 65    | 18                  | 22   | 5            | 11   |
| Service, except private household and protective .....          | 1,286                              | 1,433 | 810            | 884   | 122                 | 120  | 52           | 59   |
| Precision production, craft, and repair .....                   | 1,116                              | 1,173 | 724            | 753   | 110                 | 114  | 63           | 61   |
| Mechanics and repairers .....                                   | 337                                | 338   | 210            | 195   | 43                  | 46   | 20           | 19   |
| Construction trades .....                                       | 419                                | 451   | 277            | 305   | 33                  | 35   | 27           | 25   |
| Other precision production, craft, and repair .....             | 360                                | 384   | 237            | 254   | 34                  | 33   | 15           | 16   |
| Operators, fabricators, and laborers .....                      | 1,975                              | 2,059 | 1,326          | 1,381 | 191                 | 170  | 95           | 89   |
| Machine operators, assemblers, and inspectors .....             | 1,079                              | 1,121 | 713            | 754   | 104                 | 94   | 51           | 44   |
| Transportation and material moving occupations .....            | 343                                | 371   | 217            | 228   | 41                  | 32   | 18           | 22   |
| Handlers, equipment cleaners, helpers, and laborers .....       | 552                                | 567   | 396            | 399   | 46                  | 44   | 25           | 23   |
| Construction laborers .....                                     | 122                                | 114   | 94             | 85    | 7                   | 4    | 3            | 4    |
| Other handlers, equipment cleaners, helpers, and laborers ..... | 430                                | 453   | 302            | 314   | 40                  | 40   | 22           | 19   |
| Farming, forestry, and fishing .....                            | 448                                | 474   | 406            | 420   | 6                   | 10   | 3            | 5    |
| <b>MAJOR INDUSTRY AND CLASS OF WORKER</b>                       |                                    |       |                |       |                     |      |              |      |
| Agriculture:  |                                    |       |                |       |                     |      |              |      |
| Wage and salary workers .....                                   | 348                                | 389   | 321            | 355   | 3                   | 5    | 3            | 4    |
| Self-employed workers .....                                     | 55                                 | 49    | 45             | 40    | 1                   | 2    | 2            | 1    |
| Unpaid family workers .....                                     | 4                                  | 2     | 3              | 2     | -                   | -    | -            | -    |
| Nonagricultural industries:                                     |                                    |       |                |       |                     |      |              |      |
| Wage and salary workers .....                                   | 7,369                              | 7,635 | 4,445          | 4,596 | 775                 | 767  | 471          | 471  |
| Government .....  | 985                                | 947   | 608            | 583   | 140                 | 124  | 55           | 53   |
| Private industries .....  | 6,384                              | 6,688 | 3,837          | 4,013 | 635                 | 643  | 416          | 418  |
| Private households .....  | 177                                | 161   | 98             | 79    | 3                   | 4    | 3            | 2    |
| Other industries .....  | 6,207                              | 6,527 | 3,739          | 3,934 | 632                 | 639  | 413          | 416  |
| Self-employed workers .....                                     | 453                                | 481   | 241            | 244   | 27                  | 28   | 57           | 54   |
| Unpaid family workers .....                                     | 21                                 | 17    | 12             | 11    | 1                   | 1    | 4            | -    |
| <b>FULL- AND PART-TIME STATUS<sup>2</sup></b>                   |                                    |       |                |       |                     |      |              |      |
| Full-time schedules .....                                       | 6,870                              | 7,187 | 4,153          | 4,341 | 697                 | 703  | 470          | 466  |
| Part time for economic reasons .....                            | 621                                | 586   | 471            | 425   | 35                  | 28   | 20           | 20   |
| Part time for noneconomic reasons .....                         | 759                                | 800   | 442            | 481   | 75                  | 71   | 47           | 46   |

<sup>1</sup> Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

<sup>2</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**43. Employed civilians by sex, age, race, and Hispanic origin**

(In thousands)

| Sex and age                    | Total   |         | White  |         | Black  |        | Hispanic origin |       |
|--------------------------------|---------|---------|--------|---------|--------|--------|-----------------|-------|
|                                | 1988    | 1989    | 1988   | 1989    | 1988   | 1989   | 1988            | 1989  |
| Total, 16 years and over ..... | 114,968 | 117,342 | 99,812 | 101,584 | 11,658 | 11,953 | 8,250           | 8,573 |
| 16 to 19 years .....           | 6,805   | 6,759   | 6,030  | 5,946   | 601    | 625    | 523             | 548   |
| 16 to 17 years .....           | 2,713   | 2,588   | 2,424  | 2,278   | 223    | 237    | 171             | 165   |
| 18 to 19 years .....           | 4,092   | 4,172   | 3,606  | 3,668   | 378    | 388    | 353             | 383   |
| 20 to 24 years .....           | 13,244  | 12,962  | 11,438 | 11,084  | 1,433  | 1,467  | 1,341           | 1,325 |
| 25 years and over .....        | 94,919  | 97,621  | 82,345 | 84,554  | 9,624  | 9,861  | 6,385           | 6,700 |
| 25 to 54 years .....           | 80,290  | 82,767  | 69,318 | 71,307  | 8,346  | 8,626  | 5,703           | 5,997 |
| 55 years and over .....        | 14,630  | 14,854  | 13,027 | 13,247  | 1,278  | 1,235  | 682             | 703   |
| Men, 16 years and over .....   | 63,273  | 64,315  | 55,550 | 56,352  | 5,824  | 5,928  | 4,972           | 5,172 |
| 16 to 19 years .....           | 3,492   | 3,477   | 3,084  | 3,060   | 316    | 327    | 292             | 319   |
| 16 to 17 years .....           | 1,403   | 1,327   | 1,248  | 1,171   | 122    | 124    | 87              | 94    |
| 18 to 19 years .....           | 2,089   | 2,150   | 1,836  | 1,889   | 193    | 202    | 205             | 225   |
| 20 to 24 years .....           | 6,918   | 6,799   | 5,987  | 5,839   | 736    | 742    | 815             | 821   |
| 25 years and over .....        | 52,863  | 54,039  | 46,479 | 47,453  | 4,773  | 4,859  | 3,866           | 4,032 |
| 25 to 54 years .....           | 44,360  | 45,523  | 38,823 | 39,765  | 4,107  | 4,231  | 3,471           | 3,615 |
| 55 years and over .....        | 8,502   | 8,516   | 7,657  | 7,688   | 667    | 628    | 395             | 417   |
| Women, 16 years and over ..... | 51,696  | 53,027  | 44,262 | 45,232  | 5,834  | 6,025  | 3,278           | 3,401 |
| 16 to 19 years .....           | 3,313   | 3,282   | 2,946  | 2,886   | 285    | 298    | 231             | 229   |
| 16 to 17 years .....           | 1,310   | 1,261   | 1,176  | 1,107   | 101    | 113    | 84              | 71    |
| 18 to 19 years .....           | 2,003   | 2,021   | 1,770  | 1,779   | 184    | 185    | 147             | 158   |
| 20 to 24 years .....           | 6,326   | 6,163   | 5,450  | 5,245   | 697    | 725    | 526             | 504   |
| 25 years and over .....        | 42,057  | 43,582  | 35,866 | 37,101  | 4,851  | 5,002  | 2,520           | 2,668 |
| 25 to 54 years .....           | 35,929  | 37,244  | 30,495 | 31,543  | 4,239  | 4,395  | 2,232           | 2,383 |
| 55 years and over .....        | 6,127   | 6,338   | 5,370  | 5,559   | 611    | 607    | 287             | 285   |

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.

**44. Unemployment rates by sex, age, race, and Hispanic origin**

(Civilian workers)

| Sex and age                    | Total |      | White |      | Black |      | Hispanic origin |      |
|--------------------------------|-------|------|-------|------|-------|------|-----------------|------|
|                                | 1988  | 1989 | 1988  | 1989 | 1988  | 1989 | 1988            | 1989 |
| Total, 16 years and over ..... | 5.5   | 5.3  | 4.7   | 4.5  | 11.7  | 11.4 | 8.2             | 8.0  |
| 16 to 19 years .....           | 15.3  | 15.0 | 13.1  | 12.7 | 32.4  | 32.4 | 22.0            | 19.4 |
| 16 to 17 years .....           | 17.4  | 17.2 | 15.3  | 15.2 | 35.1  | 32.9 | 27.1            | 26.4 |
| 18 to 19 years .....           | 13.8  | 13.6 | 11.6  | 11.1 | 30.7  | 32.2 | 19.3            | 16.0 |
| 20 to 24 years .....           | 8.7   | 8.6  | 7.1   | 7.2  | 19.6  | 18.0 | 9.8             | 10.7 |
| 25 years and over .....        | 4.3   | 4.0  | 3.7   | 3.5  | 8.6   | 8.6  | 6.4             | 6.4  |
| 25 to 54 years .....           | 4.5   | 4.2  | 3.9   | 3.6  | 9.2   | 9.0  | 6.5             | 6.5  |
| 55 years and over .....        | 3.1   | 3.1  | 2.8   | 2.8  | 5.0   | 5.6  | 5.8             | 5.7  |
| Men, 16 years and over .....   | 5.5   | 5.2  | 4.7   | 4.5  | 11.7  | 11.5 | 8.1             | 7.6  |
| 16 to 19 years .....           | 16.0  | 15.9 | 13.9  | 13.7 | 32.7  | 31.9 | 22.7            | 20.2 |
| 16 to 17 years .....           | 18.2  | 18.6 | 16.1  | 16.4 | 34.4  | 34.4 | 29.5            | 27.6 |
| 18 to 19 years .....           | 14.6  | 14.2 | 12.4  | 12.0 | 31.7  | 30.3 | 19.5            | 16.8 |
| 20 to 24 years .....           | 8.9   | 8.8  | 7.4   | 7.5  | 19.4  | 17.9 | 9.2             | 9.7  |
| 25 years and over .....        | 4.2   | 3.9  | 3.7   | 3.4  | 8.4   | 8.6  | 6.5             | 5.9  |
| 25 to 54 years .....           | 4.4   | 4.1  | 3.8   | 3.5  | 8.9   | 8.9  | 6.5             | 5.9  |
| 55 years and over .....        | 3.3   | 3.2  | 3.0   | 2.9  | 5.4   | 6.4  | 6.8             | 6.4  |
| Women, 16 years and over ..... | 5.6   | 5.4  | 4.7   | 4.5  | 11.7  | 11.4 | 8.3             | 8.8  |
| 16 to 19 years .....           | 14.4  | 14.0 | 12.3  | 11.5 | 32.0  | 33.0 | 21.0            | 18.2 |
| 16 to 17 years .....           | 16.6  | 15.7 | 14.4  | 13.8 | 35.9  | 31.1 | 24.5            | 24.7 |
| 18 to 19 years .....           | 12.9  | 13.0 | 10.8  | 10.1 | 29.6  | 34.0 | 18.9            | 14.9 |
| 20 to 24 years .....           | 8.5   | 8.3  | 6.7   | 6.8  | 19.8  | 18.1 | 10.7            | 12.2 |
| 25 years and over .....        | 4.3   | 4.2  | 3.7   | 3.6  | 8.8   | 8.5  | 6.4             | 7.2  |
| 25 to 54 years .....           | 4.6   | 4.4  | 3.9   | 3.7  | 9.4   | 9.0  | 6.6             | 7.5  |
| 55 years and over .....        | 2.8   | 2.8  | 2.5   | 2.7  | 4.5   | 4.7  | 4.3             | 4.6  |

**45. Unemployed persons by duration of unemployment, race, and Hispanic origin**

(Numbers in thousands)

| Weeks of unemployment                   | Total |       | White |       | Black |       | Hispanic origin |       |
|---|-------|-------|-------|-------|-------|-------|-----------------|-------|
|   | 1988  | 1989  | 1988  | 1989  | 1988  | 1989  | 1988            | 1989  |
| <b>DURATION</b>                         |       |       |       |       |       |       |                 |       |
| Total, 16 years and over .....          | 6,701 | 6,528 | 4,944 | 4,770 | 1,547 | 1,544 | 732             | 750   |
| Less than 5 weeks .....                 | 3,084 | 3,174 | 2,332 | 2,363 | 656   | 706   | 367             | 398   |
| 5 to 14 weeks .....                     | 2,007 | 1,978 | 1,468 | 1,445 | 476   | 469   | 217             | 219   |
| 15 weeks and over .....                 | 1,610 | 1,375 | 1,143 | 963   | 414   | 369   | 149             | 132   |
| 15 to 26 weeks .....                    | 801   | 730   | 588   | 526   | 187   | 180   | 84              | 75    |
| 27 weeks and over .....                 | 809   | 646   | 555   | 437   | 227   | 189   | 65              | 57    |
| Average (mean) duration, in weeks ..... | 13.5  | 11.9  | 12.9  | 11.4  | 15.4  | 13.3  | 11.2            | 10.5  |
| Median duration, in weeks .....         | 5.9   | 4.8   | 5.6   | 4.6   | 6.9   | 5.5   | 5.0             | 4.2   |
| <b>PERCENT DISTRIBUTION</b>             |       |       |       |       |       |       |                 |       |
| Total unemployed .....                  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0           | 100.0 |
| Less than 5 weeks .....                 | 46.0  | 48.6  | 47.2  | 49.5  | 42.4  | 45.7  | 50.1            | 53.1  |
| 5 to 14 weeks .....                     | 30.0  | 30.3  | 29.7  | 30.3  | 30.8  | 30.4  | 29.6            | 29.2  |
| 15 weeks and over .....                 | 24.0  | 21.1  | 23.1  | 20.2  | 26.8  | 23.9  | 20.3            | 17.7  |
| 15 to 26 weeks .....                    | 12.0  | 11.2  | 11.9  | 11.0  | 12.1  | 11.7  | 11.5            | 10.0  |
| 27 weeks and over .....                 | 12.1  | 9.9   | 11.2  | 9.2   | 14.7  | 12.2  | 8.9             | 7.6   |

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.

**46. Unemployed persons by reason for unemployment, race, and Hispanic origin**

(Numbers in thousands)

| Reasons for unemployment                                   | Total |       | White |       | Black |       | Hispanic origin |       |
|--|-------|-------|-------|-------|-------|-------|-----------------|-------|
|  | 1988  | 1989  | 1988  | 1989  | 1988  | 1989  | 1988            | 1989  |
| <b>NUMBER OF UNEMPLOYED</b>                                |       |       |       |       |       |       |                 |       |
| Total, 16 years and over .....                             | 6,701 | 6,528 | 4,944 | 4,770 | 1,547 | 1,544 | 732             | 750   |
| Job losers .....   | 3,092 | 2,983 | 2,338 | 2,240 | 674   | 660   | 371             | 380   |
| On layoff .....  | 851   | 850   | 704   | 711   | 127   | 121   | 82              | 83    |
| Other job losers .....                                     | 2,241 | 2,133 | 1,634 | 1,529 | 546   | 539   | 289             | 297   |
| Job leavers .....  | 983   | 1,024 | 776   | 812   | 180   | 174   | 95              | 105   |
| Reentrants .....   | 1,809 | 1,843 | 1,298 | 1,303 | 445   | 474   | 166             | 175   |
| New entrants .....   | 816   | 677   | 532   | 416   | 249   | 235   | 100             | 90    |
| <b>PERCENT DISTRIBUTION</b>                                |       |       |       |       |       |       |                 |       |
| Total unemployed .....                                     | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0           | 100.0 |
| Job losers .....   | 46.1  | 45.7  | 47.2  | 46.9  | 43.6  | 42.8  | 50.7            | 50.7  |
| On layoff .....  | 12.7  | 13.0  | 14.2  | 14.9  | 8.2   | 7.9   | 11.2            | 11.1  |
| Other job losers .....                                     | 33.4  | 32.7  | 33.0  | 32.1  | 35.3  | 34.9  | 39.5            | 39.6  |
| Job leavers .....  | 14.7  | 15.7  | 15.7  | 17.0  | 11.6  | 11.3  | 13.0            | 13.9  |
| Reentrants .....   | 27.0  | 28.2  | 26.2  | 27.3  | 28.7  | 30.7  | 22.7            | 23.3  |
| New entrants .....   | 12.2  | 10.4  | 10.8  | 8.7   | 16.1  | 15.2  | 13.7            | 12.0  |
| <b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b> |       |       |       |       |       |       |                 |       |
| Job losers .....   | 2.5   | 2.4   | 2.3   | 2.1   | 5.1   | 4.9   | 4.1             | 4.1   |
| Job leavers .....  | .8    | .8    | .7    | .8    | 1.4   | 1.3   | 1.1             | 1.1   |
| Reentrants .....   | 1.5   | 1.5   | 1.2   | 1.2   | 3.4   | 3.5   | 1.8             | 1.9   |
| New entrants .....   | .7    | .5    | .5    | .4    | 1.9   | 1.7   | 1.1             | 1.0   |

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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**47. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

| Veteran status<br>and age      | Civilian<br>noninstitutional<br>population |        | Civilian labor force |        |          |        |            |      |                           |      |
|--------------------------------|--|--------|----------------------|--------|----------|--------|------------|------|---------------------------|------|
|                                | 1988                                       | 1989   | Total                |        | Employed |        | Unemployed |      |                           |      |
|                                |  |        | 1988                 | 1989   | 1988     | 1989   | Number     |      | Percent of<br>labor force |      |
|                                |  |        |                      |        |          |        | 1988       | 1989 | 1988                      | 1989 |
| <b>VIETNAM-ERA VETERANS</b>    |  |        |                      |        |          |        |            |      |                           |      |
| Total, 30 years and over ..... | 7,893                                      | 7,924  | 7,274                | 7,244  | 6,982    | 6,977  | 292        | 267  | 4.0                       | 3.7  |
| 30 to 44 years .....           | 5,907                                      | 5,501  | 5,626                | 5,219  | 5,389    | 5,020  | 237        | 199  | 4.2                       | 3.8  |
| 30 to 34 years .....           | 692  | 484    | 651                  | 445    | 605      | 421    | 46         | 24   | 7.1                       | 5.4  |
| 35 to 39 years .....           | 2,163                                      | 1,755  | 2,060                | 1,655  | 1,968    | 1,579  | 92         | 76   | 4.5                       | 4.6  |
| 40 to 44 years .....           | 3,052                                      | 3,263  | 2,915                | 3,118  | 2,816    | 3,019  | 99         | 99   | 3.4                       | 3.2  |
| 45 years and over .....        | 1,986                                      | 2,422  | 1,648                | 2,025  | 1,593    | 1,957  | 55         | 68   | 3.3                       | 3.4  |
| <b>NONVETERANS</b>             |  |        |                      |        |          |        |            |      |                           |      |
| Total, 30 to 44 years .....    | 20,421                                     | 21,475 | 19,292               | 20,329 | 18,493   | 19,544 | 799        | 785  | 4.1                       | 3.9  |
| 30 to 34 years .....           | 9,095                                      | 9,346  | 8,635                | 8,897  | 8,241    | 8,539  | 394        | 359  | 4.6                       | 4.0  |
| 35 to 39 years .....           | 6,827                                      | 7,407  | 6,456                | 7,017  | 6,206    | 6,750  | 250        | 267  | 3.9                       | 3.8  |
| 40 to 44 years .....           | 4,499                                      | 4,722  | 4,201                | 4,415  | 4,046    | 4,256  | 155        | 159  | 3.7                       | 3.6  |

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

48. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

| Employment status and age                  | Veterans |       |       |      |                 |      | Nonveterans |        |       |       |                 |       |
|--|----------|-------|-------|------|-----------------|------|-------------|--------|-------|-------|-----------------|-------|
|  | White    |       | Black |      | Hispanic origin |      | White       |        | Black |       | Hispanic origin |       |
|  | 1988     | 1989  | 1988  | 1989 | 1988            | 1989 | 1988        | 1989   | 1988  | 1989  | 1988            | 1989  |
| <b>Total, 30 to 44 years</b>               |          |       |       |      |                 |      |             |        |       |       |                 |       |
| Civilian noninstitutional population ..... | 5,236    | 4,889 | 580   | 530  | 258             | 214  | 17,541      | 18,407 | 2,055 | 2,186 | 1,849           | 1,974 |
| Civilian labor force .....                 | 5,023    | 4,667 | 517   | 475  | 246             | 194  | 16,740      | 17,591 | 1,819 | 1,943 | 1,733           | 1,851 |
| Employed .....                             | 4,831    | 4,505 | 480   | 442  | 232             | 183  | 16,133      | 17,010 | 1,657 | 1,769 | 1,631           | 1,743 |
| Unemployed .....                           | 192      | 162   | 37    | 33   | 14              | 11   | 607         | 580    | 162   | 174   | 102             | 108   |
| Unemployment rate .....                    | 3.8      | 3.5   | 7.1   | 7.0  | 5.7             | 5.7  | 3.6         | 3.3    | 8.9   | 9.0   | 5.9             | 5.9   |
| <b>30 to 34 years</b>                      |          |       |       |      |                 |      |             |        |       |       |                 |       |
| Civilian noninstitutional population ..... | 580      | 403   | 101   | 74   | 48              | 35   | 7,582       | 8,010  | 936   | 978   | 805             | 874   |
| Civilian labor force .....                 | 550      | 378   | 90    | 62   | 45              | 28   | 7,522       | 7,701  | 840   | 881   | 758             | 827   |
| Employed .....                             | 517      | 360   | 79    | 56   | 41              | 27   | 7,221       | 7,436  | 759   | 800   | 714             | 779   |
| Unemployed .....                           | 33       | 18    | 11    | 6    | 4               | 1    | 302         | 265    | 82    | 81    | 44              | 48    |
| Unemployment rate .....                    | 6.0      | 4.8   | 12.3  | 9.5  | 8.4             | 3.6  | 4.0         | 3.4    | 9.7   | 9.2   | 5.8             | 5.8   |
| <b>35 to 39 years</b>                      |          |       |       |      |                 |      |             |        |       |       |                 |       |
| Civilian noninstitutional population ..... | 1,902    | 1,552 | 221   | 171  | 102             | 73   | 5,842       | 6,349  | 684   | 742   | 606             | 629   |
| Civilian labor force .....                 | 1,829    | 1,479 | 193   | 147  | 98              | 67   | 5,579       | 6,065  | 609   | 664   | 568             | 584   |
| Employed .....                             | 1,750    | 1,419 | 183   | 132  | 90              | 63   | 5,393       | 5,871  | 555   | 602   | 533             | 549   |
| Unemployed .....                           | 78       | 59    | 11    | 15   | 7               | 5    | 185         | 194    | 54    | 62    | 35              | 35    |
| Unemployment rate .....                    | 4.3      | 4.0   | 5.6   | 10.1 | 7.7             | 7.0  | 3.3         | 3.2    | 8.9   | 9.3   | 6.1             | 6.0   |
| <b>40 to 44 years</b>                      |          |       |       |      |                 |      |             |        |       |       |                 |       |
| Civilian noninstitutional population ..... | 2,754    | 2,935 | 258   | 285  | 108             | 106  | 3,848       | 4,047  | 436   | 466   | 438             | 471   |
| Civilian labor force .....                 | 2,643    | 2,811 | 234   | 266  | 103             | 99   | 3,639       | 3,825  | 370   | 398   | 407             | 440   |
| Employed .....                             | 2,563    | 2,726 | 219   | 253  | 101             | 94   | 3,519       | 3,704  | 343   | 367   | 384             | 415   |
| Unemployed .....                           | 80       | 85    | 15    | 13   | 3               | 5    | 120         | 121    | 26    | 32    | 23              | 25    |
| Unemployment rate .....                    | 3.0      | 3.0   | 6.3   | 4.7  | 2.7             | 5.0  | 3.3         | 3.2    | 7.1   | 8.0   | 5.6             | 5.7   |

NOTE: Male Vietnam-era veterans are men 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 30 to 44 years of age, the group that most closely corresponds

to the bulk of the Vietnam-era veteran population. Detail for the above race and Hispanic-origin groups will not be totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**49. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

| Type of family, race, and Hispanic origin | 1988           |                    |                                   |   |                  | 1989               |   |                                   |   |   |
|---|----------------|--------------------|-----------------------------------|---|------------------|--------------------|---|-----------------------------------|---|---|
|   | Total families | With unemployment: |                                   |   | Total families   | With unemployment: |   |                                   |   |   |
|   |                | Total              | Percent of families:              |   |                  | Total              | Percent of families:                                  |                                   |   |   |
|   |                |                    | With no employed person in family | With at least one employed person in family |                  |                    | With at least one person in family employed full time | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |
| <b>TOTAL</b>                              |                |                    |                                   |   |                  |                    |   |                                   |   |   |
| Total families .....                      | 64,439         | 5,029              | 28.5                              | 71.5  | 62.3             | 65,112             | 4,789   | 28.5                              | 71.5  | 64.2  |
| With children under 18 years of age ..... | 31,504         | 2,971              | 31.8                              | 68.2  | 59.4             | 31,712             | 2,702   | 32.7                              | 67.3  | 61.1  |
| Married-couple families .....             | 50,851         | 3,426              | 18.5                              | 81.5  | 72.3             | 51,237             | 3,261   | 17.9                              | 82.1  | 75.0  |
| With children under 18 years of age ..... | 23,968         | 2,064              | 18.1                              | 81.9  | 72.9             | 24,023             | 1,867   | 17.8                              | 82.2  | 75.8  |
| Families maintained by women .....        | 10,725         | 1,287              | 52.6                              | 47.4  | 37.8             | 10,997             | 1,263   | 53.2                              | 46.8  | 39.0  |
| With children under 18 years of age ..... | 6,402          | 779                | 63.9                              | 36.1  | 27.6             | 6,542              | 741   | 66.7                              | 33.3  | 27.4  |
| Families maintained by men .....          | 2,862          | 316                | 38.6                              | 61.4  | 53.5             | 2,878              | 266   | 42.6                              | 57.4  | 51.7  |
| With children under 18 years of age ..... | 1,134          | 128                | 57.8                              | 42.2  | 35.9             | 1,146              | 94  | 60.6                              | 39.4  | 34.0  |
| <b>White</b>                              |                |                    |                                   |   |                  |                    |   |                                   |   |   |
| Total families .....                      | 55,448         | 3,785              | 25.0                              | 75.0  | 65.7             | 55,826             | 3,554   | 24.9                              | 75.1  | 68.0  |
| With children under 18 years of age ..... | 26,342         | 2,202              | 26.9                              | 73.1  | 64.1             | 26,342             | 1,976   | 27.7                              | 72.3  | 65.9  |
| Married-couple families .....             | 45,924         | 2,858              | 18.3                              | 81.7  | 72.5             | 46,142             | 2,688   | 17.9                              | 82.1  | 75.2  |
| With children under 18 years of age ..... | 21,282         | 1,701              | 17.8                              | 82.2  | 73.2             | 21,231             | 1,526   | 17.9                              | 82.1  | 75.7  |
| Families maintained by women .....        | 7,299          | 709                | 48.7                              | 51.3  | 41.2             | 7,425              | 682   | 48.2                              | 51.8  | 43.3  |
| With children under 18 years of age ..... | 4,183          | 411                | 59.1                              | 40.9  | 31.6             | 4,211              | 383   | 61.6                              | 38.4  | 31.9  |
| Families maintained by men .....          | 2,225          | 218                | 35.3                              | 64.7  | 56.4             | 2,259              | 185   | 40.2                              | 59.8  | 54.3  |
| With children under 18 years of age ..... | 876            | 90                 | 52.2                              | 47.8  | 40.0             | 900                | 67  | 56.7                              | 43.3  | 37.3  |
| <b>Black</b>                              |                |                    |                                   |   |                  |                    |   |                                   |   |   |
| Total families .....                      | 7,151          | 1,088              | 40.7                              | 59.3  | 50.1             | 7,304              | 1,077   | 40.9                              | 59.1  | 51.6  |
| With children under 18 years of age ..... | 4,101          | 671                | 47.8                              | 52.2  | 44.2             | 4,203              | 631   | 48.5                              | 51.5  | 45.6  |
| Married-couple families .....             | 3,492          | 454                | 18.5                              | 81.5  | 71.7             | 3,562              | 455   | 17.4                              | 82.6  | 74.7  |
| With children under 18 years of age ..... | 1,833          | 286                | 17.8                              | 82.2  | 72.4             | 1,854              | 265   | 16.2                              | 83.8  | 77.1  |
| Families maintained by women .....        | 3,143          | 549                | 57.7                              | 42.3  | 33.3             | 3,254              | 553   | 59.1                              | 40.9  | 33.6  |
| With children under 18 years of age ..... | 2,051          | 351                | 69.8                              | 30.2  | 22.8             | 2,139              | 341   | 71.9                              | 28.1  | 22.8  |
| Families maintained by men .....          | 515            | 85                 | 48.2                              | 51.8  | 43.5             | 488                | 69  | 49.3                              | 50.7  | 43.5  |
| With children under 18 years of age ..... | 218            | 35                 | 71.4                              | 28.6  | 25.7             | 210                | 24  | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |
| <b>Hispanic origin</b>                    |                |                    |                                   |   |                  |                    |   |                                   |   |   |
| Total families .....                      | 4,578          | 544                | 30.3                              | 69.7  | 59.2             | 4,795              | 567   | 28.2                              | 71.8  | 65.6  |
| With children under 18 years of age ..... | 2,943          | 365                | 32.1                              | 67.9  | 57.5             | 3,055              | 381   | 32.0                              | 68.0  | 63.5  |
| Married-couple families .....             | 3,194          | 388                | 24.0                              | 76.0  | 65.2             | 3,337              | 403   | 20.1                              | 79.9  | 74.4  |
| With children under 18 years of age ..... | 2,091          | 279                | 22.9                              | 77.1  | 65.9             | 2,165              | 282   | 21.9                              | 78.1  | 73.9  |
| Families maintained by women .....        | 1,060          | 118                | 50.0                              | 50.0  | 39.0             | 1,095              | 130   | 51.9                              | 48.1  | 38.8  |
| With children under 18 years of age ..... | 732            | 71                 | 60.6                              | 39.4  | 31.0             | 757                | 88  | 61.4                              | 38.6  | 31.8  |
| Families maintained by men .....          | 324            | 39                 | 35.9                              | 64.1  | 59.0             | 364                | 34  | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |
| With children under 18 years of age ..... | 120            | 15                 | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> ) | 133                | 11  | ( <sup>1</sup> )                  | ( <sup>1</sup> )                            | ( <sup>1</sup> )                                      |

<sup>1</sup> Data not shown where base is less than 35,000.

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.

50. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

| Family relationship, race, and Hispanic origin  | 1988  |                                   |   |   | 1989  |                                   |   |   |
|---|-------|-----------------------------------|---|---|-------|-----------------------------------|---|---|
|   | Total | Percent of unemployed:            |   |   | Total | Percent of unemployed:            |   |   |
|   |       | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |       | With no employed person in family | With at least one employed person in family | With at least one person in family employed full time |
| <b>TOTAL</b>                                    |       |                                   |   |   |       |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 5,482 | 30.6                              | 69.4  | 60.2  | 5,325 | 30.2                              | 69.8  | 62.7  |
| Husbands .....                                  | 1,236 | 37.4                              | 62.6  | 48.3  | 1,166 | 35.9                              | 64.1  | 52.0  |
| With children under 18 years of age .....       | 772   | 41.2                              | 58.8  | 43.5  | 699   | 41.6                              | 58.4  | 46.1  |
| Wives .....                                     | 1,064 | 16.5                              | 83.5  | 76.5  | 1,056 | 14.4                              | 85.6  | 81.0  |
| With children under 18 years of age .....       | 682   | 14.9                              | 85.1  | 78.3  | 661   | 12.4                              | 87.6  | 83.8  |
| Relatives in married-couple families .....      | 1,416 | 10.7                              | 89.3  | 83.0  | 1,361 | 9.9                               | 90.1  | 85.8  |
| Women who maintain families .....               | 543   | 84.0                              | 16.0  | 9.5   | 558   | 83.1                              | 16.9  | 11.5  |
| With children under 18 years of age .....       | 463   | 90.2                              | 9.8   | 4.5   | 463   | 91.9                              | 8.1   | 4.1   |
| Relatives in families maintained by women ..... | 882   | 32.9                              | 67.1  | 55.4  | 888   | 34.1                              | 65.9  | 56.6  |
| Men who maintain families .....                 | 142   | 65.6                              | 34.4  | 25.5  | 123   | 66.7                              | 33.3  | 26.3  |
| With children under 18 years of age .....       | 76    | 89.1                              | 10.9  | 3.9   | 58    | 89.9                              | 10.1  | 4.8   |
| Relatives in families maintained by men .....   | 198   | 23.3                              | 76.7  | 69.4  | 173   | 29.9                              | 70.1  | 65.4  |
| <b>White</b>                                    |       |                                   |   |   |       |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 4,030 | 27.3                              | 72.7  | 63.5  | 3,863 | 26.6                              | 73.4  | 66.3  |
| Husbands .....                                  | 1,036 | 37.6                              | 62.4  | 47.6  | 968   | 36.7                              | 63.3  | 51.1  |
| With children under 18 years of age .....       | 630   | 41.9                              | 58.1  | 42.2  | 568   | 42.6                              | 57.4  | 44.5  |
| Wives .....                                     | 882   | 15.6                              | 84.4  | 77.9  | 882   | 13.9                              | 86.1  | 81.6  |
| With children under 18 years of age .....       | 553   | 13.6                              | 86.4  | 80.1  | 540   | 11.5                              | 88.5  | 85.0  |
| Relatives in married-couple families .....      | 1,136 | 10.1                              | 89.9  | 83.7  | 1,072 | 9.3                               | 90.7  | 86.6  |
| Women who maintain families .....               | 275   | 80.0                              | 20.0  | 12.6  | 290   | 77.6                              | 22.4  | 15.3  |
| With children under 18 years of age .....       | 230   | 88.0                              | 12.0  | 5.7   | 230   | 89.1                              | 10.9  | 5.3   |
| Relatives in families maintained by women ..... | 472   | 31.8                              | 68.2  | 57.1  | 450   | 31.0                              | 69.0  | 59.9  |
| Men who maintain families .....                 | 95    | 62.9                              | 37.1  | 25.5  | 84    | 64.8                              | 35.2  | 27.6  |
| With children under 18 years of age .....       | 49    | 86.6                              | 13.4  | 4.2   | 39    | 88.0                              | 12.0  | 5.2   |
| Relatives in families maintained by men .....   | 134   | 21.5                              | 78.5  | 72.9  | 118   | 27.3                              | 72.7  | 68.9  |
| <b>Black</b>                                    |       |                                   |   |   |       |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 1,282 | 40.9                              | 59.1  | 49.8  | 1,287 | 41.0                              | 59.0  | 51.8  |
| Husbands .....                                  | 155   | 35.6                              | 64.4  | 52.5  | 153   | 29.7                              | 70.3  | 57.8  |
| With children under 18 years of age .....       | 110   | 36.1                              | 63.9  | 51.3  | 98    | 34.9                              | 65.1  | 54.5  |
| Wives .....                                     | 143   | 22.2                              | 77.8  | 67.8  | 136   | 16.9                              | 83.1  | 77.2  |
| With children under 18 years of age .....       | 103   | 22.1                              | 77.9  | 68.0  | 96    | 16.0                              | 84.0  | 78.3  |
| Relatives in married-couple families .....      | 239   | 12.3                              | 87.7  | 80.9  | 244   | 13.0                              | 87.0  | 82.3  |
| Women who maintain families .....               | 257   | 88.1                              | 11.9  | 6.5   | 255   | 89.4                              | 10.6  | 7.0   |
| With children under 18 years of age .....       | 225   | 92.3                              | 7.7   | 3.3   | 222   | 94.5                              | 5.5   | 2.9   |
| Relatives in families maintained by women ..... | 395   | 34.4                              | 65.6  | 53.2  | 421   | 37.7                              | 62.3  | 52.7  |
| Men who maintain families .....                 | 41    | 77.5                              | 22.5  | 19.8  | 32    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      |
| With children under 18 years of age .....       | 25    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      | 17    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      |
| Relatives in families maintained by men .....   | 53    | 27.7                              | 72.3  | 60.1  | 46    | 36.6                              | 63.4  | 57.0  |
| <b>Hispanic origin</b>                          |       |                                   |   |   |       |                                   |   |   |
| Total unemployed in families <sup>1</sup> ..... | 614   | 32.0                              | 68.0  | 57.7  | 629   | 30.0                              | 70.0  | 63.6  |
| Husbands .....                                  | 156   | 45.5                              | 54.5  | 38.0  | 146   | 44.7                              | 55.3  | 47.8  |
| With children under 18 years of age .....       | 112   | 47.6                              | 52.4  | 34.4  | 106   | 51.6                              | 48.4  | 41.4  |
| Wives .....                                     | 106   | 23.2                              | 76.8  | 69.1  | 129   | 15.6                              | 84.4  | 79.4  |
| With children under 18 years of age .....       | 78    | 21.2                              | 78.8  | 69.1  | 93    | 15.9                              | 84.1  | 80.9  |
| Relatives in married-couple families .....      | 177   | 12.4                              | 87.6  | 80.3  | 175   | 9.5                               | 90.5  | 85.3  |
| Women who maintain families .....               | 44    | 79.0                              | 21.0  | 13.3  | 56    | 79.8                              | 20.2  | 14.3  |
| With children under 18 years of age .....       | 38    | 86.9                              | 13.1  | 6.9   | 48    | 86.5                              | 13.5  | 8.0   |
| Relatives in families maintained by women ..... | 89    | 31.7                              | 68.3  | 56.2  | 83    | 32.5                              | 67.5  | 56.3  |
| Men who maintain families .....                 | 20    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      | 17    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      |
| With children under 18 years of age .....       | 11    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      | 6     | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      |
| Relatives in families maintained by men .....   | 22    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      | 23    | ( <sup>2</sup> )                  | ( <sup>2</sup> )                            | ( <sup>2</sup> )                                      |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in

aggregating the data.

<sup>2</sup> Data not shown where base is less than 35,000.

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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**51. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members**

(Numbers in thousands)

| Family relationship, race, and Hispanic origin  | 1988   |   |  |  | 1989   |   |  |  |
|---|--------|---|--|--|--------|---|--|--|
|   | Total  | Percent of employed:                    |  |  | Total  | Percent of employed:                    |  |  |
|   |        | With no other employed person in family | With another employed person in family | With another person in family employed full time |        | With no other employed person in family | With another employed person in family | With another person in family employed full time |
| <b>TOTAL</b>                                    |        |   |  |  |        |   |  |  |
| Total employed in families <sup>1</sup> .....   | 93,055 | 22.2                                    | 77.8                                   | 66.5   | 94,324 | 22.1                                    | 77.9                                   | 67.7   |
| Husbands .....                                  | 38,596 | 29.2                                    | 70.8                                   | 52.6   | 38,973 | 28.6                                    | 71.4                                   | 54.3   |
| With children under 18 years of age .....       | 22,149 | 31.1                                    | 68.9                                   | 47.3   | 22,308 | 30.8                                    | 69.2                                   | 49.0   |
| Wives .....                                     | 27,784 | 8.4                                     | 91.6                                   | 86.7   | 28,565 | 8.3                                     | 91.7                                   | 87.8   |
| With children under 18 years of age .....       | 14,915 | 4.7                                     | 95.3                                   | 91.4   | 15,261 | 4.4                                     | 95.6                                   | 93.0   |
| Relatives in married-couple families .....      | 12,202 | 6.9                                     | 93.1                                   | 89.0   | 11,804 | 6.8                                     | 93.2                                   | 90.1   |
| Women who maintain families .....               | 6,121  | 62.1                                    | 37.9                                   | 25.2   | 6,338  | 63.1                                    | 36.9                                   | 25.5   |
| With children under 18 years of age .....       | 3,943  | 79.0                                    | 21.0                                   | 9.6  | 4,089  | 80.2                                    | 19.8                                   | 10.1   |
| Relatives in families maintained by women ..... | 4,694  | 23.4                                    | 76.6                                   | 67.2   | 4,831  | 23.9                                    | 76.1                                   | 67.6   |
| Men who maintain families .....                 | 2,045  | 52.5                                    | 47.5                                   | 36.2   | 2,113  | 52.4                                    | 47.6                                   | 37.7   |
| With children under 18 years of age .....       | 933    | 79.7                                    | 20.3                                   | 10.6   | 974    | 80.2                                    | 19.8                                   | 11.8   |
| Relatives in families maintained by men .....   | 1,613  | 17.0                                    | 83.0                                   | 76.0   | 1,699  | 16.1                                    | 83.9                                   | 78.3   |
| <b>White</b>                                    |        |   |  |  |        |   |  |  |
| Total employed in families <sup>1</sup> .....   | 81,180 | 21.6                                    | 78.4                                   | 66.8   | 82,011 | 21.4                                    | 78.6                                   | 68.1   |
| Husbands .....                                  | 34,927 | 29.6                                    | 70.4                                   | 51.5   | 35,167 | 29.0                                    | 71.0                                   | 53.2   |
| With children under 18 years of age .....       | 19,851 | 31.7                                    | 68.3                                   | 45.6   | 19,877 | 31.5                                    | 68.5                                   | 47.2   |
| Wives .....                                     | 24,775 | 8.0                                     | 92.0                                   | 87.2   | 25,419 | 8.0                                     | 92.0                                   | 88.2   |
| With children under 18 years of age .....       | 13,110 | 4.2                                     | 95.8                                   | 91.9   | 13,377 | 4.0                                     | 96.0                                   | 93.5   |
| Relatives in married-couple families .....      | 10,771 | 6.8                                     | 93.2                                   | 89.1   | 10,393 | 6.7                                     | 93.3                                   | 90.3   |
| Women who maintain families .....               | 4,348  | 59.5                                    | 40.5                                   | 26.4   | 4,464  | 60.9                                    | 39.1                                   | 26.9   |
| With children under 18 years of age .....       | 2,761  | 77.4                                    | 22.6                                   | 9.7  | 2,824  | 79.5                                    | 20.5                                   | 10.0   |
| Relatives in families maintained by women ..... | 3,440  | 23.8                                    | 76.2                                   | 66.6   | 3,510  | 24.0                                    | 76.0                                   | 67.6   |
| Men who maintain families .....                 | 1,638  | 51.3                                    | 48.7                                   | 36.7   | 1,704  | 51.3                                    | 48.7                                   | 38.2   |
| With children under 18 years of age .....       | 744    | 78.0                                    | 22.0                                   | 11.2   | 781    | 79.1                                    | 20.9                                   | 12.3   |
| Relatives in families maintained by men .....   | 1,281  | 16.6                                    | 83.4                                   | 76.6   | 1,353  | 15.0                                    | 85.0                                   | 79.9   |
| <b>Black</b>                                    |        |   |  |  |        |   |  |  |
| Total employed in families <sup>1</sup> .....   | 8,970  | 28.8                                    | 71.2                                   | 62.8   | 9,153  | 29.3                                    | 70.7                                   | 63.3   |
| Husbands .....                                  | 2,561  | 23.9                                    | 76.1                                   | 64.9   | 2,600  | 23.6                                    | 76.4                                   | 66.6   |
| With children under 18 years of age .....       | 1,587  | 23.1                                    | 76.9                                   | 65.2   | 1,620  | 23.2                                    | 76.8                                   | 66.9   |
| Wives .....                                     | 2,100  | 12.3                                    | 87.7                                   | 82.3   | 2,159  | 12.9                                    | 87.1                                   | 83.1   |
| With children under 18 years of age .....       | 1,256  | 8.5                                     | 91.5                                   | 86.9   | 1,278  | 8.5                                     | 91.5                                   | 88.9   |
| Relatives in married-couple families .....      | 987    | 8.7                                     | 91.3                                   | 85.8   | 945    | 9.3                                     | 90.7                                   | 86.6   |
| Women who maintain families .....               | 1,625  | 69.2                                    | 30.8                                   | 21.4   | 1,703  | 68.8                                    | 31.2                                   | 22.1   |
| With children under 18 years of age .....       | 1,098  | 82.5                                    | 17.5                                   | 9.2  | 1,160  | 81.7                                    | 18.3                                   | 10.5   |
| Relatives in families maintained by women ..... | 1,124  | 22.9                                    | 77.1                                   | 67.9   | 1,188  | 23.4                                    | 76.6                                   | 67.8   |
| Men who maintain families .....                 | 322    | 59.6                                    | 40.4                                   | 32.3   | 318    | 60.8                                    | 39.2                                   | 31.8   |
| With children under 18 years of age .....       | 163    | 86.8                                    | 13.2                                   | 7.4  | 166    | 85.3                                    | 14.7                                   | 8.7  |
| Relatives in families maintained by men .....   | 252    | 20.6                                    | 79.4                                   | 71.4   | 242    | 24.1                                    | 75.9                                   | 68.7   |
| <b>Hispanic origin</b>                          |        |   |  |  |        |   |  |  |
| Total employed in families <sup>1</sup> .....   | 6,654  | 25.0                                    | 75.0                                   | 65.5   | 6,988  | 25.0                                    | 75.0                                   | 67.3   |
| Husbands .....                                  | 2,592  | 36.4                                    | 63.6                                   | 50.3   | 2,726  | 36.1                                    | 63.9                                   | 51.9   |
| With children under 18 years of age .....       | 1,853  | 39.5                                    | 60.5                                   | 45.9   | 1,948  | 38.8                                    | 61.2                                   | 48.5   |
| Wives .....                                     | 1,615  | 7.8                                     | 92.2                                   | 86.5   | 1,690  | 8.4                                     | 91.6                                   | 87.7   |
| With children under 18 years of age .....       | 1,040  | 6.5                                     | 93.5                                   | 88.1   | 1,118  | 5.9                                     | 94.1                                   | 90.1   |
| Relatives in married-couple families .....      | 999    | 6.0                                     | 94.0                                   | 88.1   | 1,001  | 5.9                                     | 94.1                                   | 90.3   |
| Women who maintain families .....               | 527    | 60.8                                    | 39.2                                   | 28.8   | 541    | 61.1                                    | 38.9                                   | 30.8   |
| With children under 18 years of age .....       | 345    | 76.8                                    | 23.2                                   | 13.5   | 369    | 73.8                                    | 26.2                                   | 19.0   |
| Relatives in families maintained by women ..... | 420    | 20.6                                    | 79.4                                   | 67.8   | 449    | 19.0                                    | 81.0                                   | 73.0   |
| Men who maintain families .....                 | 256    | 42.8                                    | 57.2                                   | 48.5   | 287    | 40.7                                    | 59.3                                   | 54.4   |
| With children under 18 years of age .....       | 98     | 74.3                                    | 25.7                                   | 21.5   | 111    | 73.9                                    | 26.1                                   | 21.2   |
| Relatives in families maintained by men .....   | 245    | 6.1                                     | 93.9                                   | 88.5   | 294    | 9.1                                     | 90.9                                   | 87.1   |

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in

aggregating the data.

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.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**52. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin**

| Type of family, number of earners, race, and Hispanic origin | Number of families |        | Median weekly earnings |       |
|--|--------------------|--------|------------------------|-------|
|  | 1988               | 1989   | 1988                   | 1989  |
| <b>TOTAL</b>   |                    |        |                        |       |
| Total families with earners <sup>1</sup> .....               | 42,913             | 43,525 | \$596                  | \$624 |
| Married-couple families .....                                | 33,864             | 34,125 | 668                    | 701   |
| One earner .....   | 12,365             | 12,139 | 418                    | 430   |
| Husband .....  | 9,429              | 9,175  | 489                    | 502   |
| Wife .....   | 2,199              | 2,236  | 238                    | 251   |
| Other family member .....                                    | 736                | 727    | 228                    | 253   |
| Two or more earners .....                                    | 21,499             | 21,987 | 811                    | 845   |
| Husband and wife .....                                       | 18,945             | 19,488 | 824                    | 859   |
| Husband and other family member(s) .....                     | 1,872              | 1,811  | 787                    | 801   |
| Wife and other family member(s) .....                        | 520                | 519    | 495                    | 521   |
| Other family members only .....                              | 162                | 169    | 494                    | 558   |
| Families maintained by women .....                           | 6,989              | 7,295  | 334                    | 347   |
| One earner .....   | 4,741              | 4,929  | 260                    | 273   |
| Householder .....  | 3,743              | 3,898  | 269                    | 282   |
| Other family member .....                                    | 999                | 1,031  | 225                    | 234   |
| Two or more earners .....                                    | 2,247              | 2,366  | 554                    | 566   |
| Families maintained by men .....                             | 2,061              | 2,104  | 486                    | 506   |
| One earner .....   | 1,221              | 1,216  | 374                    | 382   |
| Two or more earners .....                                    | 840                | 888    | 700                    | 718   |
| <b>White</b>   |                    |        |                        |       |
| Total families with earners <sup>1</sup> .....               | 36,667             | 36,981 | 616                    | 651   |
| Married-couple families .....                                | 30,135             | 30,233 | 677                    | 712   |
| One earner .....   | 11,120             | 10,815 | 432                    | 449   |
| Husband .....  | 8,609              | 8,310  | 497                    | 511   |
| Wife .....   | 1,866              | 1,879  | 243                    | 254   |
| Two or more earners .....                                    | 19,015             | 19,418 | 818                    | 854   |
| Husband and wife .....                                       | 16,768             | 17,225 | 831                    | 867   |
| Families maintained by women .....                           | 4,930              | 5,114  | 351                    | 363   |
| Families maintained by men .....                             | 1,602              | 1,634  | 496                    | 522   |
| <b>Black</b>   |                    |        |                        |       |
| Total families with earners <sup>1</sup> .....               | 4,999              | 5,133  | 435                    | 447   |
| Married-couple families .....                                | 2,747              | 2,782  | 576                    | 579   |
| One earner .....   | 878                | 929    | 281                    | 299   |
| Husband .....  | 546                | 576    | 339                    | 360   |
| Wife .....   | 258                | 282    | 205                    | 230   |
| Two or more earners .....                                    | 1,870              | 1,853  | 713                    | 730   |
| Husband and wife .....                                       | 1,642              | 1,638  | 733                    | 753   |
| Families maintained by women .....                           | 1,884              | 1,984  | 291                    | 303   |
| Families maintained by men .....                             | 368                | 367    | 419                    | 430   |
| <b>Hispanic origin</b>                                       |                    |        |                        |       |
| Total families with earners <sup>1</sup> .....               | 3,384              | 3,542  | 451                    | 480   |
| Married-couple families .....                                | 2,488              | 2,619  | 494                    | 520   |
| One earner .....   | 1,044              | 1,044  | 301                    | 310   |
| Husband .....  | 867                | 858    | 316                    | 332   |
| Wife .....   | 119                | 126    | 236                    | 220   |
| Two or more earners .....                                    | 1,444              | 1,574  | 671                    | 667   |
| Husband and wife .....                                       | 1,179              | 1,249  | 689                    | 680   |
| Families maintained by women .....                           | 634                | 633    | 295                    | 337   |
| Families maintained by men .....                             | 261                | 291    | 429                    | 467   |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other

person maintaining the family is either self-employed or in the Armed Forces.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**53. Families with unemployed members and wage and salary workers by type of family and median weekly earnings**

| Type of family and relationship<br>of unemployed members to wage<br>and salary earners | Number of families |       | Median weekly earnings |                  |
|--|--------------------|-------|------------------------|------------------|
|  | 1988               | 1989  | 1988                   | 1989             |
| Married-couple families <sup>1</sup> .....   | 2,434              | 2,462 | \$441                  | \$464            |
| Husband unemployed .....   | 752                | 723   | 263                    | 282              |
| Wife only earner .....   | 584                | 544   | 242                    | 254              |
| Wife and other earner(s) .....   | 107                | 114   | 452                    | 501              |
| Other earner(s) only .....   | 61                 | 65    | 214                    | 235              |
| Wife unemployed .....  | 804                | 829   | 436                    | 446              |
| Husband only earner .....  | 680                | 704   | 407                    | 415              |
| Husband and other earner(s) .....  | 107                | 110   | 684                    | 712              |
| Other earner(s) only .....   | 17                 | 16    | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Other member(s) unemployed .....   | 877                | 910   | 676                    | 717              |
| Husband or wife earner .....   | 341                | 339   | 511                    | 507              |
| Both husband and wife earners .....  | 500                | 536   | 811                    | 881              |
| Other combinations of earners .....  | 35                 | 35    | ( <sup>2</sup> )       | ( <sup>2</sup> ) |
| Families maintained by women <sup>1</sup> .....  | 559                | 556   | 281                    | 307              |
| Householder unemployed .....   | 76                 | 101   | 173                    | 251              |
| Other member(s) unemployed .....   | 483                | 455   | 304                    | 320              |
| Families maintained by men <sup>1</sup> .....  | 179                | 130   | 353                    | 398              |

<sup>1</sup> Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or

in the Armed Forces.

<sup>2</sup> Data not shown where base is less than 50,000.

54. Median weekly earnings of full-time wage and salary workers by selected characteristics

| Characteristic                        | Number of workers<br>(in thousands) |        | Median weekly earnings |       |
|---------------------------------------|-------------------------------------|--------|------------------------|-------|
|                                       | 1988                                | 1989   | 1988                   | 1989  |
| <b>SEX AND AGE</b>                    |                                     |        |                        |       |
| Total, 16 years and over .....        | 82,692                              | 84,553 | \$385                  | \$399 |
| Men, 16 years and over .....          | 48,049                              | 48,949 | 449                    | 468   |
| 16 to 24 years .....                  | 6,677                               | 6,665  | 261                    | 271   |
| 25 years and over .....               | 41,371                              | 42,283 | 487                    | 500   |
| Women, 16 years and over .....        | 34,643                              | 35,605 | 315                    | 328   |
| 16 to 24 years .....                  | 5,444                               | 5,223  | 235                    | 246   |
| 25 years and over .....               | 29,199                              | 30,382 | 335                    | 351   |
| <b>FAMILY RELATIONSHIP</b>            |                                     |        |                        |       |
| Husbands .....                        | 30,995                              | 31,282 | 500                    | 513   |
| Wives .....                           | 17,907                              | 18,448 | 324                    | 342   |
| Women who maintain families .....     | 4,795                               | 5,000  | 311                    | 321   |
| Men who maintain families .....       | 1,615                               | 1,672  | 413                    | 425   |
| Other persons in families:            |                                     |        |                        |       |
| Men .....                             | 6,498                               | 6,569  | 270                    | 282   |
| Women .....                           | 4,502                               | 4,439  | 247                    | 257   |
| All other men <sup>1</sup> .....      | 8,938                               | 9,426  | 412                    | 428   |
| All other women <sup>1</sup> .....    | 7,442                               | 7,718  | 345                    | 361   |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b> |                                     |        |                        |       |
| White .....                           | 70,845                              | 72,113 | 394                    | 409   |
| Men .....                             | 41,831                              | 42,465 | 465                    | 482   |
| Women .....                           | 29,014                              | 29,648 | 318                    | 334   |
| Black .....                           | 9,352                               | 9,628  | 314                    | 319   |
| Men .....                             | 4,826                               | 4,932  | 347                    | 348   |
| Women .....                           | 4,527                               | 4,696  | 288                    | 301   |
| Hispanic origin .....                 | 6,460                               | 6,718  | 290                    | 298   |
| Men .....                             | 4,091                               | 4,247  | 307                    | 315   |
| Women .....                           | 2,370                               | 2,472  | 260                    | 269   |

<sup>1</sup> The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**55. Median weekly earnings of part-time wage and salary workers by selected characteristics**

| Characteristic                        | Number of workers<br>(in thousands) |        | Median weekly earnings |       |
|---------------------------------------|-------------------------------------|--------|------------------------|-------|
|                                       | 1988                                | 1989   | 1988                   | 1989  |
| <b>SEX AND AGE</b>                    |                                     |        |                        |       |
| Total, 16 years and over .....        | 18,716                              | 18,926 | \$106                  | \$112 |
| Men, 16 years and over .....          | 5,864                               | 5,840  | 100                    | 105   |
| 16 to 24 years .....                  | 3,329                               | 3,227  | 84                     | 90    |
| 25 years and over .....               | 2,534                               | 2,614  | 132                    | 135   |
| Women, 16 years and over .....        | 12,852                              | 13,086 | 109                    | 116   |
| 16 to 24 years .....                  | 4,018                               | 4,040  | 80                     | 86    |
| 25 years and over .....               | 8,834                               | 9,046  | 126                    | 137   |
| <b>FAMILY RELATIONSHIP</b>            |                                     |        |                        |       |
| Husbands .....                        | 1,553                               | 1,549  | 134                    | 138   |
| Wives .....                           | 6,727                               | 6,839  | 131                    | 140   |
| Women who maintain families .....     | 978                                 | 1,020  | 113                    | 122   |
| Men who maintain families .....       | 134                                 | 135    | 125                    | 124   |
| Other persons in families:            |                                     |        |                        |       |
| Men .....                             | 3,196                               | 3,110  | 83                     | 89    |
| Women .....                           | 3,441                               | 3,444  | 76                     | 83    |
| All other men <sup>1</sup> .....      | 980                                 | 1,046  | 122                    | 127   |
| All other women <sup>1</sup> .....    | 1,707                               | 1,784  | 108                    | 118   |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b> |                                     |        |                        |       |
| White .....                           | 16,331                              | 16,510 | 107                    | 113   |
| Men .....                             | 4,951                               | 4,945  | 100                    | 106   |
| Women .....                           | 11,380                              | 11,564 | 110                    | 117   |
| Black .....                           | 1,823                               | 1,842  | 99                     | 104   |
| Men .....                             | 676                                 | 664    | 98                     | 104   |
| Women .....                           | 1,147                               | 1,177  | 100                    | 104   |
| Hispanic origin .....                 | 1,162                               | 1,176  | 107                    | 116   |
| Men .....                             | 444                                 | 463    | 110                    | 119   |
| Women .....                           | 718                                 | 713    | 105                    | 114   |

<sup>1</sup> The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

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.

56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex

(Numbers in thousands)

| Occupation   | 1988              |                        |                   |                        |                   |                        |
|--|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|  | Both sexes        |                        | Men               |                        | Women             |                        |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Total, 16 years and over .....                                 | 82,692            | \$385                  | 48,049            | \$449                  | 34,643            | \$315                  |
| Managerial and professional specialty .....                    | 21,770            | 552                    | 11,968            | 666                    | 9,802             | 465                    |
| Executive, administrative, and managerial .....                | 10,725            | 547                    | 6,238             | 682                    | 4,487             | 430                    |
| Administrators and officials, public administration .....      | 436               | 550                    | 257               | 617                    | 179               | 476                    |
| Administrators, protective services .....                      | 52                | 584                    | 45                | ( <sup>1</sup> )       | 8                 | ( <sup>1</sup> )       |
| Financial managers .....                                       | 472               | 630                    | 272               | 788                    | 200               | 487                    |
| Personnel and labor relations managers .....                   | 112               | 666                    | 59                | 785                    | 53                | 563                    |
| Purchasing managers .....                                      | 102               | 644                    | 78                | 709                    | 24                | ( <sup>1</sup> )       |
| Managers, marketing, advertising, and public relations .....   | 453               | 702                    | 313               | 814                    | 140               | 503                    |
| Administrators, education and related fields .....             | 500               | 671                    | 282               | 757                    | 218               | 499                    |
| Managers, medicine and health .....                            | 144               | 587                    | 51                | 743                    | 93                | 535                    |
| Managers, properties and real estate .....                     | 241               | 424                    | 117               | 516                    | 123               | 355                    |
| Management-related occupations .....                           | 3,204             | 501                    | 1,540             | 610                    | 1,664             | 426                    |
| Accountants and auditors .....                                 | 1,114             | 501                    | 538               | 613                    | 576               | 435                    |
| Underwriters, and other financial officers .....               | 651               | 520                    | 312               | 655                    | 339               | 422                    |
| Management analysts .....                                      | 90                | 672                    | 57                | 818                    | 33                | ( <sup>1</sup> )       |
| Personnel, training, and labor relations specialists .....     | 364               | 507                    | 151               | 613                    | 213               | 447                    |
| Buyers, wholesale and retail trade, except farm products ..... | 172               | 475                    | 90                | 539                    | 82                | 404                    |
| Construction inspectors .....                                  | 59                | 495                    | 56                | 500                    | 2                 | ( <sup>1</sup> )       |
| Inspectors and compliance officers, except construction .....  | 192               | 513                    | 143               | 541                    | 49                | ( <sup>1</sup> )       |
| Professional specialty .....                                   | 11,045            | 555                    | 5,730             | 651                    | 5,315             | 485                    |
| Engineers, architects, and surveyors .....                     | 1,833             | 717                    | 1,696             | 727                    | 137               | 624                    |
| Architects .....   | 97                | 616                    | 80                | 634                    | 16                | ( <sup>1</sup> )       |
| Engineers .....  | 1,719             | 723                    | 1,599             | 734                    | 120               | 639                    |
| Aerospace engineers .....                                      | 110               | 805                    | 104               | 820                    | 6                 | ( <sup>1</sup> )       |
| Chemical engineers .....                                       | 58                | 781                    | 50                | 785                    | 8                 | ( <sup>1</sup> )       |
| Civil engineers .....  | 192               | 717                    | 182               | 724                    | 10                | ( <sup>1</sup> )       |
| Electrical and electronic engineers .....                      | 557               | 741                    | 520               | 749                    | 37                | ( <sup>1</sup> )       |
| Industrial engineers .....                                     | 224               | 664                    | 195               | 676                    | 29                | ( <sup>1</sup> )       |
| Mechanical engineers .....                                     | 284               | 709                    | 273               | 717                    | 11                | ( <sup>1</sup> )       |
| Mathematical and computer scientists .....                     | 675               | 667                    | 448               | 733                    | 227               | 575                    |
| Computer systems analysts and scientists .....                 | 421               | 674                    | 295               | 730                    | 126               | 594                    |
| Operations and systems researchers and analysts .....          | 208               | 675                    | 130               | 740                    | 78                | 578                    |
| Natural scientists .....                                       | 356               | 635                    | 275               | 677                    | 81                | 540                    |
| Chemists, except biochemists .....                             | 123               | 666                    | 97                | 688                    | 26                | ( <sup>1</sup> )       |
| Biological and life scientists .....                           | 67                | 554                    | 40                | ( <sup>1</sup> )       | 27                | ( <sup>1</sup> )       |
| Health diagnosing occupations .....                            | 302               | 710                    | 227               | 807                    | 75                | 553                    |
| Physicians .....   | 254               | 716                    | 190               | 815                    | 64                | 572                    |
| Health assessment and treating occupations .....               | 1,509             | 518                    | 268               | 591                    | 1,241             | 511                    |
| Registered nurses .....  | 1,075             | 516                    | 79                | 561                    | 996               | 515                    |
| Pharmacists .....  | 109               | 718                    | 74                | 720                    | 35                | ( <sup>1</sup> )       |
| Therapists .....   | 228               | 497                    | 73                | 517                    | 155               | 489                    |
| Inhalation therapists .....                                    | 57                | 473                    | 29                | ( <sup>1</sup> )       | 28                | ( <sup>1</sup> )       |
| Physical therapists .....                                      | 57                | 528                    | 19                | ( <sup>1</sup> )       | 38                | ( <sup>1</sup> )       |
| Speech therapists .....  | 52                | 522                    | 6                 | ( <sup>1</sup> )       | 46                | ( <sup>1</sup> )       |
| Teachers, college and university .....                         | 454               | 676                    | 309               | 752                    | 145               | 555                    |
| Teachers, except college and university .....                  | 3,044             | 487                    | 904               | 560                    | 2,140             | 463                    |
| Teachers, prekindergarten and kindergarten .....               | 253               | 321                    | 7                 | ( <sup>1</sup> )       | 246               | 320                    |
| Teachers, elementary school .....                              | 1,264             | 481                    | 196               | 522                    | 1,067             | 476                    |
| Teachers, secondary school .....                               | 1,064             | 521                    | 543               | 580                    | 521               | 491                    |
| Teachers, special education .....                              | 222               | 489                    | 35                | ( <sup>1</sup> )       | 188               | 485                    |
| Counselors, educational and vocational .....                   | 172               | 562                    | 66                | 599                    | 106               | 522                    |
| Librarians, archivists, and curators .....                     | 164               | 474                    | 30                | ( <sup>1</sup> )       | 134               | 463                    |
| Librarians .....   | 146               | 476                    | 22                | ( <sup>1</sup> )       | 124               | 465                    |
| Social scientists and urban planners .....                     | 237               | 596                    | 136               | 676                    | 101               | 531                    |
| Economists .....   | 96                | 673                    | 63                | 719                    | 32                | ( <sup>1</sup> )       |
| Psychologists .....  | 118               | 518                    | 58                | 560                    | 60                | 498                    |
| Social, recreation, and religious workers .....                | 851               | 405                    | 476               | 414                    | 375               | 395                    |
| Social workers .....   | 458               | 423                    | 167               | 434                    | 291               | 420                    |
| Recreation workers .....                                       | 67                | 275                    | 23                | ( <sup>1</sup> )       | 44                | ( <sup>1</sup> )       |
| Clergy .....   | 278               | 402                    | 259               | 407                    | 19                | ( <sup>1</sup> )       |
| Lawyers and judges .....                                       | 396               | 909                    | 296               | 930                    | 100               | 765                    |
| Lawyers .....  | 366               | 914                    | 272               | 930                    | 94                | 774                    |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued**

(Numbers in thousands)

| Occupation  | 1988              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Writers, artists, entertainers, and athletes .....                | 1,053             | \$483                  | 600               | \$559                  | 453               | \$388                  |
| Technical writers .....   | 58                | 523                    | 33                | ( <sup>1</sup> )       | 24                | ( <sup>1</sup> )       |
| Designers .....   | 308               | 507                    | 175               | 597                    | 133               | 354                    |
| Actors and directors .....  | 69                | 488                    | 38                | ( <sup>1</sup> )       | 31                | ( <sup>1</sup> )       |
| Painters, sculptors, craft artists, and artist printmakers .....  | 92                | 393                    | 50                | 452                    | 43                | ( <sup>1</sup> )       |
| Photographers .....   | 60                | 424                    | 44                | ( <sup>1</sup> )       | 16                | ( <sup>1</sup> )       |
| Editors and reporters .....                                       | 198               | 494                    | 105               | 588                    | 93                | 412                    |
| Public relations specialists .....                                | 133               | 501                    | 56                | 713                    | 77                | 443                    |
| Technical, sales, and administrative support .....                | 24,931            | 347                    | 9,267             | 472                    | 15,664            | 305                    |
| Technicians and related support .....                             | 2,960             | 448                    | 1,647             | 510                    | 1,313             | 384                    |
| Health technologists and technicians .....                        | 909               | 367                    | 191               | 413                    | 718               | 355                    |
| Clinical laboratory technologists and technicians .....           | 216               | 417                    | 57                | 484                    | 160               | 399                    |
| Radiologic technicians .....                                      | 107               | 422                    | 27                | ( <sup>1</sup> )       | 81                | 417                    |
| Licensed practical nurses .....                                   | 299               | 336                    | 17                | ( <sup>1</sup> )       | 282               | 336                    |
| Engineering and related technologists and technicians .....       | 854               | 479                    | 695               | 495                    | 159               | 402                    |
| Electrical and electronic technicians .....                       | 303               | 496                    | 256               | 509                    | 47                | ( <sup>1</sup> )       |
| Drafting occupations .....  | 268               | 463                    | 226               | 479                    | 42                | ( <sup>1</sup> )       |
| Surveying and mapping technicians .....                           | 73                | 419                    | 63                | 426                    | 10                | ( <sup>1</sup> )       |
| Science technicians .....   | 197               | 415                    | 139               | 434                    | 58                | 377                    |
| Chemical technicians .....  | 82                | 469                    | 59                | 484                    | 23                | ( <sup>1</sup> )       |
| Technicians, except health, engineering, and science .....        | 1,000             | 529                    | 622               | 605                    | 378               | 451                    |
| Airplane pilots and navigators .....                              | 60                | 811                    | 59                | 823                    | 1                 | ( <sup>1</sup> )       |
| Computer programmers .....  | 532               | 588                    | 364               | 623                    | 168               | 497                    |
| Legal assistants .....  | 174               | 421                    | 36                | ( <sup>1</sup> )       | 138               | 413                    |
| Sales occupations .....   | 7,741             | 385                    | 4,519             | 488                    | 3,222             | 264                    |
| Supervisors and proprietors .....                                 | 2,266             | 419                    | 1,478             | 489                    | 788               | 322                    |
| Sales representatives, finance and business services .....        | 1,476             | 493                    | 860               | 595                    | 616               | 395                    |
| Insurance sales .....   | 335               | 481                    | 211               | 581                    | 124               | 389                    |
| Real estate sales .....   | 351               | 512                    | 181               | 613                    | 170               | 446                    |
| Securities and financial services sales .....                     | 250               | 614                    | 177               | 768                    | 73                | 408                    |
| Advertising and related sales .....                               | 121               | 445                    | 58                | 517                    | 63                | 369                    |
| Sales occupations, other business services .....                  | 419               | 456                    | 233               | 522                    | 186               | 351                    |
| Sales representatives, commodities, except retail .....           | 1,302             | 539                    | 1,068             | 583                    | 234               | 411                    |
| Sales workers, retail and personal services .....                 | 2,683             | 229                    | 1,105             | 315                    | 1,578             | 199                    |
| Sales workers, motor vehicles and boats .....                     | 234               | 439                    | 218               | 448                    | 16                | ( <sup>1</sup> )       |
| Sales workers, apparel .....                                      | 166               | 207                    | 35                | ( <sup>1</sup> )       | 131               | 199                    |
| Sales workers, furniture and home furnishings .....               | 104               | 354                    | 64                | 366                    | 39                | ( <sup>1</sup> )       |
| Sales workers, radio, television, hi-fi, and appliances .....     | 104               | 322                    | 73                | 379                    | 31                | ( <sup>1</sup> )       |
| Sales workers, hardware and building supplies .....               | 139               | 300                    | 114               | 315                    | 25                | ( <sup>1</sup> )       |
| Sales workers, parts .....  | 131               | 323                    | 120               | 330                    | 11                | ( <sup>1</sup> )       |
| Sales workers, other commodities .....                            | 652               | 217                    | 196               | 280                    | 456               | 204                    |
| Sales counter clerks .....  | 94                | 213                    | 28                | ( <sup>1</sup> )       | 66                | 197                    |
| Cashiers .....  | 936               | 192                    | 194               | 222                    | 742               | 185                    |
| Street and door-to-door sales workers .....                       | 68                | 302                    | 32                | ( <sup>1</sup> )       | 36                | ( <sup>1</sup> )       |
| Administrative support, including clerical .....                  | 14,230            | 318                    | 3,101             | 418                    | 11,129            | 305                    |
| Supervisors .....   | 751               | 457                    | 326               | 564                    | 424               | 402                    |
| General office .....  | 442               | 436                    | 152               | 567                    | 290               | 392                    |
| Computer equipment operators .....                                | 51                | 572                    | 31                | ( <sup>1</sup> )       | 19                | ( <sup>1</sup> )       |
| Financial records processing .....                                | 93                | 488                    | 28                | ( <sup>1</sup> )       | 65                | 440                    |
| Supervisors, distribution, scheduling, and adjusting clerks ..... | 161               | 475                    | 113               | 512                    | 48                | ( <sup>1</sup> )       |
| Computer equipment operators .....                                | 759               | 342                    | 262               | 415                    | 497               | 311                    |
| Computer operators .....  | 754               | 342                    | 260               | 414                    | 494               | 312                    |
| Secretaries, stenographers, and typists .....                     | 3,842             | 310                    | 63                | 315                    | 3,779             | 310                    |
| Secretaries .....   | 3,206             | 312                    | 26                | ( <sup>1</sup> )       | 3,179             | 312                    |
| Typists .....   | 603               | 299                    | 34                | ( <sup>1</sup> )       | 570               | 298                    |
| Information clerks .....  | 1,012             | 270                    | 124               | 376                    | 888               | 264                    |
| Interviewers .....  | 116               | 288                    | 12                | ( <sup>1</sup> )       | 104               | 278                    |
| Hotel clerks .....  | 73                | 214                    | 25                | ( <sup>1</sup> )       | 48                | ( <sup>1</sup> )       |
| Transportation ticket and reservation agents .....                | 110               | 423                    | 48                | ( <sup>1</sup> )       | 62                | 355                    |
| Receptionists .....   | 572               | 256                    | 16                | ( <sup>1</sup> )       | 556               | 255                    |
| Records processing, except financial .....                        | 577               | 311                    | 84                | 370                    | 493               | 305                    |
| Order clerks .....  | 155               | 387                    | 27                | ( <sup>1</sup> )       | 127               | 372                    |
| Personnel clerks, except payroll and timekeeping .....            | 54                | 322                    | 6                 | ( <sup>1</sup> )       | 47                | ( <sup>1</sup> )       |
| Library clerks .....  | 66                | 294                    | 9                 | ( <sup>1</sup> )       | 57                | 286                    |
| File clerks .....   | 177               | 278                    | 23                | ( <sup>1</sup> )       | 154               | 276                    |
| Records clerks .....  | 110               | 315                    | 15                | ( <sup>1</sup> )       | 95                | 315                    |

See footnotes at end of table.

56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued

(Numbers in thousands)

| Occupation   | 1988              |                        |                   |                        |                   |                        |
|--|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|  | Both sexes        |                        | Men               |                        | Women             |                        |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Financial records processing .....                                   | 1,681             | \$310                  | 178               | \$408                  | 1,503             | \$305                  |
| Bookkeepers, accounting, and auditing clerks .....                   | 1,322             | 308                    | 123               | 385                    | 1,199             | 304                    |
| Payroll and timekeeping clerks .....                                 | 149               | 333                    | 15                | ( <sup>1</sup> )       | 135               | 321                    |
| Billing clerks .....   | 123               | 301                    | 14                | ( <sup>1</sup> )       | 109               | 297                    |
| Cost and rate clerks .....   | 59                | 341                    | 19                | ( <sup>1</sup> )       | 41                | ( <sup>1</sup> )       |
| Duplicating, mail and other office machine operators .....           | 57                | 287                    | 24                | ( <sup>1</sup> )       | 34                | ( <sup>1</sup> )       |
| Communications equipment operators .....                             | 170               | 301                    | 21                | ( <sup>1</sup> )       | 149               | 298                    |
| Telephone operators .....  | 166               | 300                    | 19                | ( <sup>1</sup> )       | 147               | 298                    |
| Mail and message distributing .....                                  | 776               | 463                    | 515               | 485                    | 261               | 404                    |
| Postal clerks, exc. mail carriers .....                              | 281               | 489                    | 151               | 502                    | 129               | 462                    |
| Mail carriers, postal service .....                                  | 296               | 495                    | 242               | 505                    | 54                | 440                    |
| Mail clerks, exc. postal service .....                               | 123               | 278                    | 61                | 290                    | 62                | 264                    |
| Messengers .....   | 76                | 264                    | 60                | 267                    | 16                | ( <sup>1</sup> )       |
| Material recording, scheduling, and distributing clerks, n.e.c. .... | 1,455             | 342                    | 933               | 374                    | 521               | 303                    |
| Dispatchers .....  | 142               | 364                    | 83                | 431                    | 59                | 304                    |
| Production coordinators .....  | 179               | 439                    | 106               | 505                    | 74                | 349                    |
| Traffic, shipping, and receiving clerks .....                        | 476               | 306                    | 352               | 320                    | 124               | 270                    |
| Stock and inventory clerks .....                                     | 456               | 332                    | 281               | 371                    | 175               | 300                    |
| Weighers, measurers, and checkers .....                              | 64                | 347                    | 37                | ( <sup>1</sup> )       | 27                | ( <sup>1</sup> )       |
| Expeditors .....   | 76                | 370                    | 34                | ( <sup>1</sup> )       | 42                | ( <sup>1</sup> )       |
| Adjusters and investigators .....                                    | 854               | 344                    | 221               | 472                    | 633               | 319                    |
| Insurance adjusters, examiners, and investigators .....              | 259               | 375                    | 71                | 537                    | 188               | 342                    |
| Investigators and adjusters, except insurance .....                  | 424               | 331                    | 103               | 491                    | 321               | 311                    |
| Eligibility clerks, social welfare .....                             | 67                | 339                    | 8                 | ( <sup>1</sup> )       | 59                | 321                    |
| Bill and account collectors .....                                    | 104               | 319                    | 38                | ( <sup>1</sup> )       | 66                | 311                    |
| Miscellaneous administrative support occupations .....               | 2,296             | 296                    | 352               | 380                    | 1,945             | 287                    |
| General office clerks .....  | 580               | 297                    | 104               | 374                    | 476               | 288                    |
| Bank tellers .....   | 346               | 247                    | 31                | ( <sup>1</sup> )       | 315               | 246                    |
| Data-entry keyers .....  | 301               | 303                    | 26                | ( <sup>1</sup> )       | 275               | 298                    |
| Statistical clerks .....   | 71                | 347                    | 23                | ( <sup>1</sup> )       | 48                | ( <sup>1</sup> )       |
| Teachers' aides .....  | 181               | 224                    | 7                 | ( <sup>1</sup> )       | 174               | 222                    |
| Service occupations .....  | 8,669             | 245                    | 4,317             | 299                    | 4,352             | 208                    |
| Private household .....  | 328               | 140                    | 8                 | ( <sup>1</sup> )       | 320               | 139                    |
| Child care workers .....   | 154               | 119                    | 1                 | ( <sup>1</sup> )       | 153               | 119                    |
| Cleaners and servants .....  | 152               | 160                    | 4                 | ( <sup>1</sup> )       | 147               | 158                    |
| Protective services .....  | 1,747             | 417                    | 1,543             | 424                    | 204               | 347                    |
| Supervisors .....  | 180               | 583                    | 167               | 589                    | 14                | ( <sup>1</sup> )       |
| Police and detectives .....  | 100               | 603                    | 90                | 607                    | 11                | ( <sup>1</sup> )       |
| Firefighting and fire prevention .....                               | 216               | 501                    | 209               | 503                    | 7                 | ( <sup>1</sup> )       |
| Firefighting .....   | 198               | 503                    | 192               | 504                    | 5                 | ( <sup>1</sup> )       |
| Police and detectives .....  | 750               | 476                    | 650               | 484                    | 99                | 430                    |
| Police and detectives, public service .....                          | 425               | 522                    | 384               | 523                    | 42                | ( <sup>1</sup> )       |
| Sheriffs, bailiffs, and other law enforcement officers .....         | 108               | 401                    | 89                | 399                    | 18                | ( <sup>1</sup> )       |
| Correctional institution officers .....                              | 217               | 409                    | 178               | 411                    | 39                | ( <sup>1</sup> )       |
| Guards .....   | 601               | 267                    | 517               | 269                    | 84                | 250                    |
| Guards and police, except public service .....                       | 560               | 273                    | 491               | 272                    | 68                | 283                    |
| Service occupations, except private household and protective .....   | 6,594             | 225                    | 2,766             | 257                    | 3,828             | 210                    |
| Food preparation and service occupations .....                       | 2,404             | 205                    | 1,077             | 225                    | 1,328             | 192                    |
| Supervisors .....  | 216               | 267                    | 97                | 323                    | 119               | 222                    |
| Bartenders .....   | 160               | 240                    | 82                | 288                    | 78                | 208                    |
| Waiters and waitresses .....   | 561               | 189                    | 129               | 230                    | 432               | 179                    |
| Cooks, except short order .....                                      | 888               | 215                    | 473               | 240                    | 415               | 197                    |
| Food counter, fountain, and related occupations .....                | 65                | 161                    | 19                | ( <sup>1</sup> )       | 46                | ( <sup>1</sup> )       |
| Kitchen workers, food preparation .....                              | 60                | 179                    | 16                | ( <sup>1</sup> )       | 44                | ( <sup>1</sup> )       |
| Waiters' and waitresses' assistants .....                            | 121               | 191                    | 79                | 183                    | 43                | ( <sup>1</sup> )       |
| Miscellaneous food preparation occupations .....                     | 288               | 183                    | 157               | 176                    | 131               | 194                    |
| Health service occupations .....                                     | 1,438             | 236                    | 179               | 277                    | 1,259             | 230                    |
| Dental assistants .....  | 104               | 267                    | 2                 | ( <sup>1</sup> )       | 102               | 267                    |
| Health aides, except nursing .....                                   | 290               | 273                    | 52                | 317                    | 238               | 265                    |
| Nursing aides, orderlies, and attendants .....                       | 1,044             | 221                    | 125               | 263                    | 920               | 217                    |
| Cleaning and building service occupations .....                      | 1,999             | 250                    | 1,313             | 279                    | 686               | 207                    |
| Supervisors .....  | 151               | 352                    | 102               | 425                    | 49                | ( <sup>1</sup> )       |
| Maids and housemen .....   | 398               | 201                    | 74                | 234                    | 324               | 196                    |
| Janitors and cleaners .....  | 1,397             | 259                    | 1,089             | 272                    | 308               | 213                    |
| Personal service occupations .....                                   | 752               | 232                    | 198               | 267                    | 555               | 222                    |
| Hairdressers and cosmetologists .....                                | 268               | 237                    | 27                | ( <sup>1</sup> )       | 241               | 229                    |
| Attendants, amusement and recreation facilities .....                | 62                | 282                    | 40                | ( <sup>1</sup> )       | 23                | ( <sup>1</sup> )       |
| Child care workers .....   | 157               | 187                    | 17                | ( <sup>1</sup> )       | 139               | 179                    |

See footnotes at end of table

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued**

(Numbers in thousands)

| Occupation  | 1988              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Precision production, craft, and repair .....                       | 11,175            | \$430                  | 10,249            | \$446                  | 926               | \$302                  |
| Mechanics and repairers .....                                       | 3,850             | 439                    | 3,713             | 441                    | 137               | 392                    |
| Supervisors .....   | 253               | 589                    | 232               | 588                    | 21                | ( <sup>1</sup> )       |
| Mechanics and repairers, except supervisors .....                   | 3,597             | 428                    | 3,481             | 431                    | 116               | 375                    |
| Vehicle and mobile equipment mechanics and repairers .....          | 1,446             | 399                    | 1,433             | 399                    | 13                | ( <sup>1</sup> )       |
| Automobile mechanics .....  | 657               | 354                    | 654               | 354                    | 3                 | ( <sup>1</sup> )       |
| Bus, truck, and stationary engine mechanics .....                   | 292               | 408                    | 291               | 409                    | 1                 | ( <sup>1</sup> )       |
| Aircraft engine mechanics .....                                     | 132               | 519                    | 126               | 523                    | 7                 | ( <sup>1</sup> )       |
| Automobile body and related repairers .....                         | 130               | 379                    | 129               | 381                    | 1                 | ( <sup>1</sup> )       |
| Heavy equipment mechanics .....                                     | 149               | 484                    | 149               | 484                    | -                 | -                      |
| Industrial machinery repairers .....                                | 530               | 449                    | 519               | 451                    | 12                | ( <sup>1</sup> )       |
| Electrical and electronic equipment repairers .....                 | 613               | 508                    | 559               | 512                    | 54                | 421                    |
| Electronic repairers, communications and industrial equipment ..... | 137               | 433                    | 129               | 439                    | 9                 | ( <sup>1</sup> )       |
| Data processing equipment repairers .....                           | 137               | 513                    | 124               | 519                    | 13                | ( <sup>1</sup> )       |
| Telephone line installers and repairers .....                       | 61                | 536                    | 54                | 521                    | 7                 | ( <sup>1</sup> )       |
| Telephone installers and repairers .....                            | 195               | 573                    | 171               | 582                    | 24                | ( <sup>1</sup> )       |
| Miscellaneous electrical and electronic equipment repairers .....   | 56                | 486                    | 54                | 494                    | 2                 | ( <sup>1</sup> )       |
| Heating, air conditioning, and refrigeration mechanics .....        | 211               | 414                    | 211               | 414                    | -                 | -                      |
| Miscellaneous mechanics and repairers .....                         | 768               | 422                    | 734               | 429                    | 34                | ( <sup>1</sup> )       |
| Office machine repairers .....                                      | 61                | 430                    | 55                | 423                    | 5                 | ( <sup>1</sup> )       |
| Millwrights .....   | 98                | 506                    | 96                | 509                    | 2                 | ( <sup>1</sup> )       |
| Construction trades .....   | 3,691             | 422                    | 3,622             | 423                    | 69                | 335                    |
| Supervisors .....   | 437               | 551                    | 428               | 558                    | 9                 | ( <sup>1</sup> )       |
| Construction trades, except supervisors .....                       | 3,253             | 407                    | 3,194             | 408                    | 59                | 312                    |
| Brickmasons and stonemasons .....                                   | 144               | 448                    | 143               | 448                    | 1                 | ( <sup>1</sup> )       |
| Carpenters .....  | 953               | 381                    | 932               | 383                    | 21                | ( <sup>1</sup> )       |
| Drywall installers .....  | 104               | 382                    | 100               | 383                    | 4                 | ( <sup>1</sup> )       |
| Electricians .....  | 606               | 478                    | 599               | 479                    | 7                 | ( <sup>1</sup> )       |
| Electrical power installers and repairers .....                     | 106               | 554                    | 105               | 552                    | 1                 | ( <sup>1</sup> )       |
| Painters, construction and maintenance .....                        | 295               | 328                    | 284               | 332                    | 11                | ( <sup>1</sup> )       |
| Plumbers, pipefitters, steamfitters, and apprentices .....          | 409               | 461                    | 407               | 462                    | 2                 | ( <sup>1</sup> )       |
| Concrete and terrazzo finishers .....                               | 75                | 391                    | 75                | 391                    | -                 | -                      |
| Roofers .....   | 86                | 312                    | 84                | 310                    | 2                 | ( <sup>1</sup> )       |
| Extractive occupations .....  | 135               | 503                    | 133               | 504                    | 2                 | ( <sup>1</sup> )       |
| Precision production occupations .....                              | 3,500             | 427                    | 2,781             | 475                    | 719               | 284                    |
| Supervisors .....   | 1,320             | 507                    | 1,115             | 526                    | 205               | 374                    |
| Precision metalworking occupations .....                            | 810               | 452                    | 766               | 461                    | 44                | ( <sup>1</sup> )       |
| Tool and die makers .....   | 143               | 575                    | 140               | 576                    | 3                 | ( <sup>1</sup> )       |
| Machinists .....  | 456               | 435                    | 435               | 440                    | 21                | ( <sup>1</sup> )       |
| Sheet metal workers .....   | 110               | 442                    | 105               | 452                    | 5                 | ( <sup>1</sup> )       |
| Precision woodworking occupations .....                             | 71                | 289                    | 62                | 295                    | 9                 | ( <sup>1</sup> )       |
| Precision textile, apparel, and furnishings machine workers .....   | 139               | 266                    | 74                | 301                    | 65                | 234                    |
| Precision workers, assorted materials .....                         | 474               | 307                    | 212               | 359                    | 262               | 274                    |
| Electrical and electronic equipment assemblers .....                | 297               | 283                    | 98                | 300                    | 200               | 275                    |
| Precision food production occupations .....                         | 316               | 295                    | 230               | 353                    | 86                | 211                    |
| Butchers and meat cutters .....                                     | 212               | 313                    | 168               | 372                    | 44                | ( <sup>1</sup> )       |
| Bakers .....  | 82                | 264                    | 51                | 311                    | 30                | ( <sup>1</sup> )       |
| Precision inspectors, testers, and related workers .....            | 124               | 468                    | 86                | 522                    | 38                | ( <sup>1</sup> )       |
| Inspectors, testers, and graders .....                              | 111               | 473                    | 79                | 519                    | 32                | ( <sup>1</sup> )       |
| Plant and system operators .....                                    | 246               | 507                    | 237               | 510                    | 10                | ( <sup>1</sup> )       |
| Stationary engineers .....  | 102               | 497                    | 99                | 501                    | 2                 | ( <sup>1</sup> )       |
| Miscellaneous plant and system operators .....                      | 52                | 549                    | 49                | ( <sup>1</sup> )       | 3                 | ( <sup>1</sup> )       |
| Operators, fabricators, and laborers .....                          | 14,763            | 313                    | 11,026            | 352                    | 3,737             | 238                    |
| Machine operators, assemblers, and inspectors .....                 | 7,405             | 302                    | 4,454             | 366                    | 2,952             | 236                    |
| Machine operators and tenders, except precision .....               | 4,870             | 290                    | 2,890             | 355                    | 1,981             | 225                    |
| Metalworking and plastic working machine operators .....            | 438               | 382                    | 361               | 403                    | 78                | 302                    |
| Lathe and turning machine operators .....                           | 61                | 405                    | 59                | 405                    | 2                 | ( <sup>1</sup> )       |
| Punching and stamping press machine operators .....                 | 123               | 349                    | 82                | 383                    | 41                | ( <sup>1</sup> )       |
| Grinding, abrading, buffing, and polishing machine operators .....  | 131               | 362                    | 114               | 379                    | 17                | ( <sup>1</sup> )       |
| Metal and plastic processing machine operators .....                | 174               | 320                    | 130               | 349                    | 44                | ( <sup>1</sup> )       |
| Molding and casting machine operators .....                         | 105               | 297                    | 74                | 329                    | 32                | ( <sup>1</sup> )       |
| Woodworking machine operators .....                                 | 133               | 268                    | 117               | 273                    | 16                | ( <sup>1</sup> )       |
| Sawing machine operators .....                                      | 90                | 276                    | 80                | 278                    | 10                | ( <sup>1</sup> )       |
| Printing machine operators .....                                    | 446               | 373                    | 339               | 403                    | 107               | 280                    |
| Printing machine operators .....                                    | 301               | 377                    | 258               | 395                    | 43                | ( <sup>1</sup> )       |
| Photoengravers and lithographers .....                              | 59                | 443                    | 46                | ( <sup>1</sup> )       | 13                | ( <sup>1</sup> )       |
| Typesetters and compositors .....                                   | 50                | 328                    | 17                | ( <sup>1</sup> )       | 33                | ( <sup>1</sup> )       |

See footnotes at end of table.



56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued

(Numbers in thousands)

| Occupation  | 1988              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Textile, apparel, and furnishings machine operators .....     | 1,160             | \$206                  | 239               | \$246                  | 921               | \$198                  |
| Winding and twisting machine operators .....                  | 73                | 249                    | 15                | ( <sup>1</sup> )       | 57                | 244                    |
| Textile sewing machine operators .....                        | 669               | 193                    | 73                | 216                    | 595               | 191                    |
| Pressing machine operators .....                              | 127               | 190                    | 36                | ( <sup>1</sup> )       | 91                | 179                    |
| Laundering and dry cleaning machine operators .....           | 145               | 214                    | 52                | 242                    | 93                | 199                    |
| Miscellaneous textile machine operators .....                 | 69                | 259                    | 38                | ( <sup>1</sup> )       | 32                | ( <sup>1</sup> )       |
| Machine operators, assorted materials .....                   | 2,497             | 315                    | 1,690             | 361                    | 807               | 251                    |
| Packaging and filling machine operators .....                 | 362               | 249                    | 131               | 291                    | 231               | 229                    |
| Mixing and blending machine operators .....                   | 95                | 362                    | 86                | 359                    | 9                 | ( <sup>1</sup> )       |
| Separating, filtering, and clarifying machine operators ..... | 54                | 491                    | 51                | 492                    | 3                 | ( <sup>1</sup> )       |
| Painting and paint spraying machine operators .....           | 187               | 312                    | 163               | 321                    | 25                | ( <sup>1</sup> )       |
| Furnace, kiln, and oven operators, exc. food .....            | 101               | 433                    | 93                | 453                    | 8                 | ( <sup>1</sup> )       |
| Slicing and cutting machine operators .....                   | 192               | 290                    | 144               | 323                    | 48                | ( <sup>1</sup> )       |
| Photographic process machine operators .....                  | 93                | 275                    | 42                | ( <sup>1</sup> )       | 51                | 256                    |
| Fabricators, assemblers, and hand working occupations .....   | 1,700             | 320                    | 1,150             | 369                    | 550               | 248                    |
| Welders and cutters .....                                     | 524               | 397                    | 496               | 400                    | 28                | ( <sup>1</sup> )       |
| Solderers and brazers .....                                   | 52                | 238                    | 21                | ( <sup>1</sup> )       | 31                | ( <sup>1</sup> )       |
| Assemblers .....  | 1,025             | 298                    | 567               | 349                    | 458               | 251                    |
| Production inspectors, testers, samplers, and weighers .....  | 835               | 333                    | 414               | 425                    | 421               | 275                    |
| Production inspectors, checkers, and examiners .....          | 673               | 343                    | 325               | 435                    | 348               | 281                    |
| Production testers .....                                      | 63                | 415                    | 45                | ( <sup>1</sup> )       | 18                | ( <sup>1</sup> )       |
| Graders and sorters, except agricultural .....                | 89                | 240                    | 41                | ( <sup>1</sup> )       | 49                | ( <sup>1</sup> )       |
| Transportation and material moving occupations .....          | 3,853             | 389                    | 3,636             | 394                    | 216               | 286                    |
| Motor vehicle operators .....                                 | 2,682             | 380                    | 2,510             | 386                    | 172               | 281                    |
| Truckdrivers, heavy .....                                     | 1,503             | 404                    | 1,473             | 405                    | 29                | ( <sup>1</sup> )       |
| Truckdrivers, light .....                                     | 584               | 302                    | 542               | 307                    | 42                | ( <sup>1</sup> )       |
| Drivers--sales workers .....                                  | 171               | 424                    | 165               | 433                    | 6                 | ( <sup>1</sup> )       |
| Bus drivers .....   | 224               | 358                    | 149               | 397                    | 76                | 295                    |
| Taxicab drivers and chauffeurs .....                          | 116               | 318                    | 106               | 317                    | 10                | ( <sup>1</sup> )       |
| Transportation occupations, except motor vehicles .....       | 186               | 601                    | 183               | 604                    | 3                 | ( <sup>1</sup> )       |
| Rail transportation .....                                     | 133               | 623                    | 130               | 628                    | 3                 | ( <sup>1</sup> )       |
| Locomotive operating .....                                    | 51                | 658                    | 51                | 656                    | -                 | -                      |
| Water transportation occupations .....                        | 53                | 494                    | 53                | 496                    | -                 | -                      |
| Material moving equipment operators .....                     | 984               | 385                    | 943               | 388                    | 41                | ( <sup>1</sup> )       |
| Operating engineers .....                                     | 194               | 452                    | 192               | 451                    | 2                 | ( <sup>1</sup> )       |
| Crane and tower operators .....                               | 83                | 437                    | 81                | 436                    | 2                 | ( <sup>1</sup> )       |
| Excavating and loading machine operators .....                | 92                | 427                    | 91                | 428                    | -                 | -                      |
| Grader, dozer, and scraper operators .....                    | 84                | 391                    | 84                | 390                    | -                 | -                      |
| Industrial truck and tractor equipment operators .....        | 423               | 337                    | 401               | 339                    | 22                | ( <sup>1</sup> )       |
| Miscellaneous material moving equipment operators .....       | 72                | 377                    | 60                | 401                    | 12                | ( <sup>1</sup> )       |
| Handlers, equipment cleaners, helpers, and laborers .....     | 3,505             | 277                    | 2,936             | 287                    | 569               | 237                    |
| Helpers, construction and extractive occupations .....        | 124               | 253                    | 120               | 254                    | 4                 | ( <sup>1</sup> )       |
| Helpers, construction trades .....                            | 109               | 251                    | 107               | 252                    | 3                 | ( <sup>1</sup> )       |
| Construction laborers .....                                   | 670               | 308                    | 655               | 309                    | 15                | ( <sup>1</sup> )       |
| Production helpers .....                                      | 54                | 232                    | 40                | ( <sup>1</sup> )       | 14                | ( <sup>1</sup> )       |
| Freight, stock, and material handlers .....                   | 1,048             | 277                    | 872               | 287                    | 175               | 226                    |
| Stock handlers and baggers .....                              | 372               | 211                    | 288               | 215                    | 84                | 198                    |
| Machine feeders and offbearers .....                          | 105               | 294                    | 71                | 305                    | 34                | ( <sup>1</sup> )       |
| Garage and service station related occupations .....          | 151               | 210                    | 141               | 213                    | 10                | ( <sup>1</sup> )       |
| Vehicle washers and equipment cleaners .....                  | 172               | 221                    | 151               | 222                    | 21                | ( <sup>1</sup> )       |
| Hand packers and packagers .....                              | 242               | 256                    | 91                | 277                    | 151               | 242                    |
| Laborers, except construction .....                           | 1,011             | 288                    | 834               | 300                    | 177               | 247                    |
| Farming, forestry, and fishing .....                          | 1,383             | 229                    | 1,221             | 234                    | 161               | 201                    |
| Farm operators and managers .....                             | 67                | 278                    | 58                | 293                    | 8                 | ( <sup>1</sup> )       |
| Farm managers .....   | 61                | 285                    | 53                | 300                    | 8                 | ( <sup>1</sup> )       |
| Other agricultural and related occupations .....              | 1,231             | 223                    | 1,081             | 228                    | 150               | 201                    |
| Farm occupations except managerial .....                      | 622               | 205                    | 547               | 208                    | 76                | 187                    |
| Farm workers .....  | 570               | 202                    | 506               | 205                    | 64                | 184                    |
| Related agricultural occupations .....                        | 608               | 252                    | 534               | 258                    | 74                | 221                    |
| Supervisors, related agricultural .....                       | 77                | 363                    | 73                | 363                    | 5                 | ( <sup>1</sup> )       |
| Groundskeepers and gardeners, except farm .....               | 463               | 245                    | 439               | 246                    | 24                | ( <sup>1</sup> )       |
| Animal caretakers, except farm .....                          | 53                | 211                    | 21                | ( <sup>1</sup> )       | 33                | ( <sup>1</sup> )       |
| Forestry and logging occupations .....                        | 70                | 298                    | 66                | 298                    | 4                 | ( <sup>1</sup> )       |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued**

(Numbers in thousands)

| Occupation   | 1989              |                        |                   |                        |                   |                        |
|--|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|  | Both sexes        |                        | Men               |                        | Women             |                        |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Total, 16 years and over .....                                 | 84,553            | \$399                  | 48,949            | \$468                  | 35,605            | \$328                  |
| Managerial and professional specialty .....                    | 22,645            | 583                    | 12,281            | 693                    | 10,363            | 488                    |
| Executive, administrative, and managerial .....                | 11,335            | 579                    | 6,544             | 698                    | 4,791             | 458                    |
| Administrators and officials, public administration .....      | 484               | 585                    | 280               | 650                    | 204               | 504                    |
| Administrators, protective services .....                      | 58                | 570                    | 50                | 623                    | 9                 | ( <sup>1</sup> )       |
| Financial managers .....                                       | 441               | 667                    | 252               | 848                    | 189               | 510                    |
| Personnel and labor relations managers .....                   | 126               | 668                    | 59                | 909                    | 66                | 520                    |
| Purchasing managers .....                                      | 111               | 651                    | 86                | 772                    | 26                | ( <sup>1</sup> )       |
| Managers, marketing, advertising, and public relations .....   | 495               | 753                    | 346               | 862                    | 150               | 540                    |
| Administrators, education and related fields .....             | 495               | 712                    | 262               | 818                    | 233               | 573                    |
| Managers, medicine and health .....                            | 178               | 604                    | 56                | 734                    | 122               | 556                    |
| Managers, properties and real estate .....                     | 259               | 424                    | 127               | 500                    | 131               | 368                    |
| Management-related occupations .....                           | 3,326             | 516                    | 1,597             | 615                    | 1,729             | 453                    |
| Accountants and auditors .....                                 | 1,187             | 522                    | 591               | 620                    | 596               | 463                    |
| Underwriters, and other financial officers .....               | 715               | 543                    | 351               | 684                    | 364               | 465                    |
| Management analysts .....                                      | 88                | 693                    | 54                | 761                    | 34                | ( <sup>1</sup> )       |
| Personnel, training, and labor relations specialists .....     | 387               | 553                    | 156               | 645                    | 231               | 491                    |
| Buyers, wholesale and retail trade, except farm products ..... | 153               | 475                    | 82                | 542                    | 72                | 376                    |
| Construction inspectors .....                                  | 55                | 536                    | 53                | 542                    | 3                 | ( <sup>1</sup> )       |
| Inspectors and compliance officers, except construction .....  | 169               | 511                    | 118               | 524                    | 50                | 481                    |
| Professional specialty .....                                   | 11,310            | 586                    | 5,737             | 688                    | 5,572             | 506                    |
| Engineers, architects, and surveyors .....                     | 1,797             | 771                    | 1,639             | 782                    | 158               | 630                    |
| Architects .....   | 107               | 667                    | 83                | 756                    | 24                | ( <sup>1</sup> )       |
| Engineers .....  | 1,667             | 775                    | 1,534             | 784                    | 133               | 672                    |
| Aerospace engineers .....                                      | 110               | 801                    | 106               | 805                    | 3                 | ( <sup>1</sup> )       |
| Chemical engineers .....                                       | 58                | 807                    | 50                | 821                    | 9                 | ( <sup>1</sup> )       |
| Civil engineers .....  | 230               | 735                    | 218               | 742                    | 11                | ( <sup>1</sup> )       |
| Electrical and electronic engineers .....                      | 512               | 803                    | 467               | 808                    | 45                | ( <sup>1</sup> )       |
| Industrial engineers .....                                     | 190               | 710                    | 167               | 732                    | 23                | ( <sup>1</sup> )       |
| Mechanical engineers .....                                     | 289               | 766                    | 273               | 774                    | 16                | ( <sup>1</sup> )       |
| Mathematical and computer scientists .....                     | 767               | 695                    | 501               | 738                    | 267               | 604                    |
| Computer systems analysts and scientists .....                 | 497               | 711                    | 342               | 747                    | 155               | 620                    |
| Operations and systems researchers and analysts .....          | 225               | 662                    | 133               | 710                    | 92                | 594                    |
| Natural scientists .....                                       | 346               | 642                    | 253               | 699                    | 93                | 544                    |
| Chemists, except biochemists .....                             | 107               | 633                    | 78                | 700                    | 29                | ( <sup>1</sup> )       |
| Biological and life scientists .....                           | 64                | 572                    | 43                | ( <sup>1</sup> )       | 21                | ( <sup>1</sup> )       |
| Health diagnosing occupations .....                            | 288               | 786                    | 216               | 871                    | 72                | 600                    |
| Physicians .....   | 242               | 792                    | 181               | 887                    | 60                | 623                    |
| Health assessment and treating occupations .....               | 1,577             | 564                    | 266               | 634                    | 1,311             | 551                    |
| Registered nurses .....  | 1,113             | 569                    | 79                | 629                    | 1,035             | 564                    |
| Pharmacists .....  | 114               | 748                    | 75                | 768                    | 38                | ( <sup>1</sup> )       |
| Dietitians .....   | 59                | 428                    | 4                 | ( <sup>1</sup> )       | 55                | 428                    |
| Therapists .....   | 230               | 511                    | 64                | 565                    | 167               | 496                    |
| Physical therapists .....                                      | 55                | 534                    | 13                | ( <sup>1</sup> )       | 42                | ( <sup>1</sup> )       |
| Therapists, n.e.c. .....                                       | 52                | 457                    | 19                | ( <sup>1</sup> )       | 34                | ( <sup>1</sup> )       |
| Physicians' assistants .....                                   | 60                | 513                    | 44                | ( <sup>1</sup> )       | 16                | ( <sup>1</sup> )       |
| Teachers, college and university .....                         | 493               | 711                    | 342               | 785                    | 152               | 581                    |
| Teachers, except college and university .....                  | 3,148             | 503                    | 926               | 568                    | 2,222             | 486                    |
| Teachers, prekindergarten and kindergarten .....               | 275               | 373                    | 9                 | ( <sup>1</sup> )       | 265               | 374                    |
| Teachers, elementary school .....                              | 1,315             | 498                    | 214               | 544                    | 1,102             | 491                    |
| Teachers, secondary school .....                               | 1,082             | 545                    | 544               | 579                    | 538               | 517                    |
| Teachers, special education .....                              | 241               | 500                    | 36                | ( <sup>1</sup> )       | 205               | 490                    |
| Counselors, educational and vocational .....                   | 177               | 598                    | 79                | 650                    | 97                | 553                    |
| Librarians, archivists, and curators .....                     | 147               | 483                    | 26                | ( <sup>1</sup> )       | 121               | 477                    |
| Librarians .....   | 133               | 483                    | 19                | ( <sup>1</sup> )       | 113               | 479                    |
| Social scientists and urban planners .....                     | 253               | 609                    | 141               | 708                    | 113               | 522                    |
| Economists .....   | 115               | 704                    | 68                | 809                    | 46                | ( <sup>1</sup> )       |
| Psychologists .....  | 106               | 523                    | 51                | 603                    | 55                | 501                    |
| Social, recreation, and religious workers .....                | 844               | 411                    | 448               | 434                    | 396               | 392                    |
| Social workers .....   | 455               | 438                    | 151               | 491                    | 304               | 418                    |
| Recreation workers .....                                       | 75                | 261                    | 23                | ( <sup>1</sup> )       | 52                | 253                    |
| Clergy .....   | 270               | 410                    | 256               | 419                    | 14                | ( <sup>1</sup> )       |
| Lawyers and judges .....                                       | 424               | 993                    | 301               | 1,021                  | 123               | 733                    |
| Lawyers .....  | 391               | 990                    | 276               | 1,016                  | 115               | 749                    |

See footnotes at end of table.

56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued

(Numbers in thousands)

| Occupation  | 1989              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Writers, artists, entertainers, and athletes .....                | 1,050             | \$488                  | 600               | \$559                  | 450               | \$413                  |
| Technical writers .....   | 58                | 623                    | 32                | ( <sup>1</sup> )       | 27                | ( <sup>1</sup> )       |
| Designers .....   | 321               | 489                    | 194               | 595                    | 127               | 345                    |
| Actors and directors .....  | 52                | 494                    | 33                | ( <sup>1</sup> )       | 19                | ( <sup>1</sup> )       |
| Painters, sculptors, craft artists, and artist printmakers .....  | 99                | 427                    | 52                | 485                    | 47                | ( <sup>1</sup> )       |
| Photographers .....   | 53                | 349                    | 34                | ( <sup>1</sup> )       | 19                | ( <sup>1</sup> )       |
| Editors and reporters .....                                       | 205               | 494                    | 112               | 589                    | 93                | 442                    |
| Public relations specialists .....                                | 125               | 576                    | 46                | ( <sup>1</sup> )       | 79                | 493                    |
| Technical, sales, and administrative support .....                | 25,195            | 359                    | 9,332             | 480                    | 15,863            | 317                    |
| Technicians and related support .....                             | 3,042             | 475                    | 1,666             | 538                    | 1,376             | 403                    |
| Health technologists and technicians .....                        | 972               | 380                    | 203               | 467                    | 769               | 367                    |
| Clinical laboratory technologists and technicians .....           | 250               | 423                    | 70                | 478                    | 179               | 412                    |
| Health record technologists and technicians .....                 | 63                | 307                    | 7                 | ( <sup>1</sup> )       | 56                | 316                    |
| Radiologic technicians .....                                      | 99                | 435                    | 31                | ( <sup>1</sup> )       | 68                | 410                    |
| Licensed practical nurses .....                                   | 306               | 354                    | 11                | ( <sup>1</sup> )       | 295               | 353                    |
| Engineering and related technologists and technicians .....       | 848               | 492                    | 686               | 506                    | 162               | 428                    |
| Electrical and electronic technicians .....                       | 295               | 512                    | 249               | 521                    | 46                | ( <sup>1</sup> )       |
| Drafting occupations .....  | 272               | 486                    | 217               | 499                    | 54                | 446                    |
| Surveying and mapping technicians .....                           | 61                | 436                    | 55                | 423                    | 6                 | ( <sup>1</sup> )       |
| Science technicians .....   | 178               | 476                    | 134               | 500                    | 44                | ( <sup>1</sup> )       |
| Chemical technicians .....  | 68                | 530                    | 54                | 551                    | 14                | ( <sup>1</sup> )       |
| Technicians, except health, engineering, and science .....        | 1,044             | 578                    | 642               | 633                    | 401               | 492                    |
| Airplane pilots and navigators .....                              | 77                | 807                    | 76                | 809                    | 1                 | ( <sup>1</sup> )       |
| Computer programmers .....  | 511               | 606                    | 328               | 651                    | 182               | 541                    |
| Legal assistants .....  | 173               | 469                    | 37                | ( <sup>1</sup> )       | 136               | 460                    |
| Sales occupations .....   | 7,982             | 384                    | 4,581             | 487                    | 3,401             | 278                    |
| Supervisors and proprietors .....                                 | 2,354             | 424                    | 1,507             | 495                    | 846               | 329                    |
| Sales representatives, finance and business services .....        | 1,493             | 502                    | 812               | 612                    | 681               | 408                    |
| Insurance sales .....   | 333               | 513                    | 206               | 603                    | 127               | 422                    |
| Real estate sales .....   | 351               | 505                    | 162               | 675                    | 189               | 432                    |
| Securities and financial services sales .....                     | 238               | 651                    | 162               | 773                    | 75                | 484                    |
| Advertising and related sales .....                               | 120               | 428                    | 54                | 480                    | 66                | 409                    |
| Sales occupations, other business services .....                  | 451               | 455                    | 228               | 569                    | 223               | 364                    |
| Sales representatives, commodities, except retail .....           | 1,306             | 561                    | 1,055             | 582                    | 251               | 492                    |
| Sales workers, retail and personal services .....                 | 2,817             | 235                    | 1,203             | 304                    | 1,614             | 208                    |
| Sales workers, motor vehicles and boats .....                     | 253               | 408                    | 242               | 412                    | 11                | ( <sup>1</sup> )       |
| Sales workers, apparel .....                                      | 150               | 220                    | 31                | ( <sup>1</sup> )       | 118               | 208                    |
| Sales workers, furniture and home furnishings .....               | 88                | 360                    | 50                | 410                    | 38                | ( <sup>1</sup> )       |
| Sales workers, radio, television, hi-fi, and appliances .....     | 137               | 321                    | 108               | 344                    | 29                | ( <sup>1</sup> )       |
| Sales workers, hardware and building supplies .....               | 147               | 289                    | 116               | 313                    | 31                | ( <sup>1</sup> )       |
| Sales workers, parts .....  | 139               | 287                    | 133               | 293                    | 6                 | ( <sup>1</sup> )       |
| Sales workers, other commodities .....                            | 632               | 229                    | 209               | 280                    | 423               | 215                    |
| Sales counter clerks .....  | 95                | 214                    | 27                | ( <sup>1</sup> )       | 67                | 196                    |
| Cashiers .....  | 1,042             | 202                    | 224               | 211                    | 818               | 200                    |
| Street and door-to-door sales workers .....                       | 86                | 320                    | 35                | ( <sup>1</sup> )       | 51                | 294                    |
| Administrative support, including clerical .....                  | 14,171            | 331                    | 3,085             | 421                    | 11,085            | 316                    |
| Supervisors .....   | 731               | 490                    | 306               | 599                    | 425               | 427                    |
| General office .....  | 438               | 465                    | 150               | 615                    | 288               | 408                    |
| Financial records processing .....                                | 86                | 546                    | 28                | ( <sup>1</sup> )       | 59                | 504                    |
| Supervisors, distribution, scheduling, and adjusting clerks ..... | 168               | 516                    | 106               | 539                    | 61                | 492                    |
| Computer equipment operators .....                                | 760               | 356                    | 283               | 417                    | 477               | 320                    |
| Computer operators .....  | 753               | 357                    | 282               | 418                    | 472               | 321                    |
| Secretaries, stenographers, and typists .....                     | 3,659             | 325                    | 49                | ( <sup>1</sup> )       | 3,610             | 325                    |
| Secretaries .....   | 3,141             | 328                    | 29                | ( <sup>1</sup> )       | 3,113             | 327                    |
| Typists .....   | 493               | 311                    | 18                | ( <sup>1</sup> )       | 475               | 311                    |
| Information clerks .....  | 981               | 277                    | 107               | 340                    | 874               | 274                    |
| Interviewers .....  | 144               | 336                    | 22                | ( <sup>1</sup> )       | 122               | 327                    |
| Hotel clerks .....  | 68                | 231                    | 19                | ( <sup>1</sup> )       | 49                | ( <sup>1</sup> )       |
| Transportation ticket and reservation agents .....                | 101               | 392                    | 33                | ( <sup>1</sup> )       | 67                | 373                    |
| Receptionists .....   | 522               | 261                    | 11                | ( <sup>1</sup> )       | 510               | 260                    |
| Records processing, except financial .....                        | 566               | 312                    | 99                | 358                    | 468               | 306                    |
| Order clerks .....  | 165               | 380                    | 29                | ( <sup>1</sup> )       | 136               | 365                    |
| Personnel clerks, except payroll and timekeeping .....            | 75                | 312                    | 6                 | ( <sup>1</sup> )       | 70                | 310                    |
| Library clerks .....  | 50                | 295                    | 11                | ( <sup>1</sup> )       | 40                | ( <sup>1</sup> )       |
| File clerks .....   | 172               | 275                    | 38                | ( <sup>1</sup> )       | 133               | 268                    |
| Records clerks .....  | 85                | 331                    | 13                | ( <sup>1</sup> )       | 72                | 324                    |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued**

(Numbers in thousands)

| Occupation   | 1989              |                        |                   |                        |                   |                        |
|--|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|  | Both sexes        |                        | Men               |                        | Women             |                        |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Financial records processing .....                                   | 1,604             | \$317                  | 153               | \$392                  | 1,451             | \$313                  |
| Bookkeepers, accounting, and auditing clerks .....                   | 1,219             | 318                    | 105               | 376                    | 1,114             | 315                    |
| Payroll and timekeeping clerks .....                                 | 147               | 326                    | 14                | ( <sup>1</sup> )       | 133               | 318                    |
| Billing clerks .....   | 130               | 296                    | 16                | ( <sup>1</sup> )       | 115               | 290                    |
| Cost and rate clerks .....   | 71                | 324                    | 17                | ( <sup>1</sup> )       | 54                | 309                    |
| Communications equipment operators .....                             | 173               | 309                    | 21                | ( <sup>1</sup> )       | 151               | 307                    |
| Telephone operators .....  | 165               | 308                    | 18                | ( <sup>1</sup> )       | 147               | 306                    |
| Mail and message distributing .....                                  | 783               | 493                    | 530               | 511                    | 253               | 451                    |
| Postal clerks, exc. mail carriers .....                              | 287               | 509                    | 173               | 523                    | 113               | 492                    |
| Mail carriers, postal service .....                                  | 298               | 528                    | 232               | 540                    | 66                | 480                    |
| Mail clerks, exc. postal service .....                               | 126               | 283                    | 66                | 290                    | 60                | 275                    |
| Messengers .....   | 72                | 308                    | 58                | 322                    | 14                | ( <sup>1</sup> )       |
| Material recording, scheduling, and distributing clerks, n.e.c. .... | 1,478             | 343                    | 906               | 371                    | 571               | 310                    |
| Dispatchers .....  | 166               | 356                    | 82                | 399                    | 84                | 332                    |
| Production coordinators .....  | 203               | 439                    | 116               | 490                    | 87                | 387                    |
| Traffic, shipping, and receiving clerks .....                        | 473               | 310                    | 346               | 327                    | 127               | 269                    |
| Stock and inventory clerks .....                                     | 443               | 331                    | 267               | 358                    | 176               | 305                    |
| Weighers, measurers, and checkers .....                              | 57                | 383                    | 28                | ( <sup>1</sup> )       | 28                | ( <sup>1</sup> )       |
| Expeditors .....   | 73                | 318                    | 25                | ( <sup>1</sup> )       | 48                | ( <sup>1</sup> )       |
| Adjusters and investigators .....                                    | 976               | 357                    | 244               | 464                    | 732               | 339                    |
| Insurance adjusters, examiners, and investigators .....              | 302               | 381                    | 80                | 491                    | 222               | 353                    |
| Investigators and adjusters, except insurance .....                  | 491               | 348                    | 116               | 487                    | 375               | 329                    |
| Eligibility clerks, social welfare .....                             | 60                | 388                    | 9                 | ( <sup>1</sup> )       | 51                | 381                    |
| Bill and account collectors .....                                    | 124               | 334                    | 39                | ( <sup>1</sup> )       | 84                | 330                    |
| Miscellaneous administrative support occupations .....               | 2,413             | 303                    | 371               | 368                    | 2,042             | 297                    |
| General office clerks .....  | 564               | 311                    | 117               | 335                    | 446               | 307                    |
| Bank tellers .....   | 370               | 264                    | 30                | ( <sup>1</sup> )       | 341               | 263                    |
| Data-entry keyers .....  | 361               | 303                    | 38                | ( <sup>1</sup> )       | 323               | 300                    |
| Statistical clerks .....   | 70                | 394                    | 13                | ( <sup>1</sup> )       | 56                | 384                    |
| Teachers' aides .....  | 225               | 234                    | 6                 | ( <sup>1</sup> )       | 219               | 234                    |
| Service occupations .....  | 8,838             | 253                    | 4,351             | 306                    | 4,487             | 218                    |
| Private household .....  | 325               | 158                    | 15                | ( <sup>1</sup> )       | 310               | 157                    |
| Child care workers .....   | 152               | 127                    | 2                 | ( <sup>1</sup> )       | 150               | 129                    |
| Cleaners and servants .....  | 154               | 185                    | 13                | ( <sup>1</sup> )       | 141               | 185                    |
| Protective services .....  | 1,714             | 445                    | 1,490             | 460                    | 224               | 354                    |
| Supervisors .....  | 179               | 622                    | 163               | 643                    | 16                | ( <sup>1</sup> )       |
| Police and detectives .....  | 92                | 674                    | 86                | 680                    | 6                 | ( <sup>1</sup> )       |
| Firefighting and fire prevention .....                               | 206               | 536                    | 199               | 537                    | 8                 | ( <sup>1</sup> )       |
| Firefighting .....   | 188               | 537                    | 182               | 537                    | 7                 | ( <sup>1</sup> )       |
| Police and detectives .....  | 778               | 497                    | 682               | 502                    | 96                | 451                    |
| Police and detectives, public service .....                          | 450               | 554                    | 398               | 560                    | 52                | 516                    |
| Sheriffs, bailiffs, and other law enforcement officers .....         | 103               | 422                    | 93                | 422                    | 10                | ( <sup>1</sup> )       |
| Correctional institution officers .....                              | 226               | 431                    | 191               | 439                    | 34                | ( <sup>1</sup> )       |
| Guards .....   | 551               | 280                    | 446               | 287                    | 104               | 248                    |
| Guards and police, except public service .....                       | 506               | 288                    | 426               | 290                    | 80                | 277                    |
| Service occupations, except private household and protective .....   | 6,799             | 234                    | 2,846             | 262                    | 3,953             | 219                    |
| Food preparation and service occupations .....                       | 2,610             | 211                    | 1,205             | 231                    | 1,405             | 197                    |
| Supervisors .....  | 238               | 268                    | 98                | 306                    | 141               | 236                    |
| Bartenders .....   | 175               | 239                    | 90                | 266                    | 84                | 220                    |
| Waiters and waitresses .....   | 597               | 203                    | 142               | 246                    | 455               | 190                    |
| Cooks, except short order .....                                      | 1,000             | 216                    | 556               | 235                    | 444               | 199                    |
| Food counter, fountain, and related occupations .....                | 87                | 167                    | 23                | ( <sup>1</sup> )       | 64                | 168                    |
| Kitchen workers, food preparation .....                              | 53                | 191                    | 15                | ( <sup>1</sup> )       | 38                | ( <sup>1</sup> )       |
| Waiters' and waitresses' assistants .....                            | 152               | 199                    | 95                | 201                    | 57                | 195                    |
| Miscellaneous food preparation occupations .....                     | 273               | 195                    | 162               | 199                    | 111               | 189                    |
| Health service occupations .....                                     | 1,423             | 254                    | 170               | 294                    | 1,254             | 249                    |
| Dental assistants .....  | 121               | 280                    | -                 | -                      | 121               | 280                    |
| Health aides, except nursing .....                                   | 282               | 277                    | 51                | 308                    | 231               | 269                    |
| Nursing aides, orderlies, and attendants .....                       | 1,020             | 244                    | 118               | 289                    | 902               | 239                    |
| Cleaning and building service occupations .....                      | 1,967             | 261                    | 1,279             | 285                    | 687               | 224                    |
| Supervisors .....  | 143               | 346                    | 90                | 400                    | 53                | 268                    |
| Maids and housemen .....   | 385               | 213                    | 88                | 240                    | 297               | 205                    |
| Janitors and cleaners .....  | 1,406             | 269                    | 1,068             | 281                    | 337               | 239                    |
| Personal service occupations .....                                   | 800               | 226                    | 193               | 289                    | 607               | 214                    |
| Hairdressers and cosmetologists .....                                | 255               | 230                    | 31                | ( <sup>1</sup> )       | 223               | 223                    |
| Attendants, amusement and recreation facilities .....                | 67                | 250                    | 33                | ( <sup>1</sup> )       | 34                | ( <sup>1</sup> )       |
| Welfare service aides .....  | 52                | 225                    | 5                 | ( <sup>1</sup> )       | 47                | ( <sup>1</sup> )       |
| Child care workers .....   | 189               | 183                    | 14                | ( <sup>1</sup> )       | 175               | 179                    |

See footnotes at end of table.

56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued

(Numbers in thousands)

| Occupation  | 1989              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Precision production, craft, and repair .....                       | 11,326            | \$454                  | 10,413            | \$469                  | 913               | \$311                  |
| Mechanics and repairers .....                                       | 3,936             | 457                    | 3,798             | 457                    | 138               | 470                    |
| Supervisors .....   | 289               | 576                    | 268               | 573                    | 21                | ( <sup>1</sup> )       |
| Mechanics and repairers, except supervisors .....                   | 3,646             | 448                    | 3,530             | 449                    | 117               | 444                    |
| Vehicle and mobile equipment mechanics and repairers .....          | 1,436             | 415                    | 1,426             | 415                    | 10                | ( <sup>1</sup> )       |
| Automobile mechanics .....  | 654               | 379                    | 647               | 378                    | 7                 | ( <sup>1</sup> )       |
| Bus, truck, and stationary engine mechanics .....                   | 281               | 430                    | 281               | 430                    | -                 | -                      |
| Aircraft engine mechanics .....                                     | 120               | 532                    | 119               | 533                    | 1                 | ( <sup>1</sup> )       |
| Automobile body and related repairers .....                         | 135               | 391                    | 135               | 391                    | -                 | -                      |
| Heavy equipment mechanics .....                                     | 152               | 504                    | 151               | 504                    | -                 | -                      |
| Industrial machinery repairers .....                                | 524               | 455                    | 508               | 459                    | 16                | ( <sup>1</sup> )       |
| Electrical and electronic equipment repairers .....                 | 619               | 538                    | 569               | 541                    | 50                | 512                    |
| Electronic repairers, communications and industrial equipment ..... | 132               | 471                    | 124               | 475                    | 8                 | ( <sup>1</sup> )       |
| Data processing equipment repairers .....                           | 148               | 565                    | 135               | 569                    | 13                | ( <sup>1</sup> )       |
| Telephone line installers and repairers .....                       | 51                | 602                    | 48                | ( <sup>1</sup> )       | 3                 | ( <sup>1</sup> )       |
| Telephone installers and repairers .....                            | 195               | 583                    | 174               | 590                    | 21                | ( <sup>1</sup> )       |
| Miscellaneous electrical and electronic equipment repairers .....   | 56                | 489                    | 50                | 493                    | 5                 | ( <sup>1</sup> )       |
| Heating, air conditioning, and refrigeration mechanics .....        | 219               | 430                    | 217               | 430                    | 2                 | ( <sup>1</sup> )       |
| Miscellaneous mechanics and repairers .....                         | 823               | 439                    | 786               | 440                    | 37                | ( <sup>1</sup> )       |
| Office machine repairers .....                                      | 58                | 416                    | 55                | 422                    | 3                 | ( <sup>1</sup> )       |
| Millwrights .....   | 95                | 538                    | 90                | 553                    | 5                 | ( <sup>1</sup> )       |
| Construction trades .....   | 3,744             | 449                    | 3,681             | 451                    | 64                | 336                    |
| Supervisors .....   | 502               | 579                    | 493               | 583                    | 9                 | ( <sup>1</sup> )       |
| Construction trades, except supervisors .....                       | 3,242             | 424                    | 3,188             | 425                    | 55                | 321                    |
| Brickmasons and stonemasons .....                                   | 145               | 509                    | 144               | 508                    | 1                 | ( <sup>1</sup> )       |
| Carpet installers .....   | 57                | 313                    | 56                | 314                    | 1                 | ( <sup>1</sup> )       |
| Carpenters .....  | 914               | 396                    | 903               | 396                    | 11                | ( <sup>1</sup> )       |
| Drywall installers .....  | 99                | 403                    | 98                | 405                    | 1                 | ( <sup>1</sup> )       |
| Electricians .....  | 618               | 493                    | 604               | 496                    | 14                | ( <sup>1</sup> )       |
| Electrical power installers and repairers .....                     | 105               | 556                    | 105               | 556                    | -                 | -                      |
| Painters, construction and maintenance .....                        | 294               | 353                    | 285               | 357                    | 10                | ( <sup>1</sup> )       |
| Plumbers, pipelitters, steamfitters, and apprentices .....          | 363               | 495                    | 360               | 496                    | 4                 | ( <sup>1</sup> )       |
| Concrete and terrazzo finishers .....                               | 63                | 399                    | 63                | 399                    | -                 | -                      |
| Insulation workers .....  | 56                | 404                    | 54                | 401                    | 3                 | ( <sup>1</sup> )       |
| Roofers .....   | 106               | 353                    | 105               | 356                    | 1                 | ( <sup>1</sup> )       |
| Structural metalworkers .....                                       | 65                | 625                    | 64                | 626                    | -                 | -                      |
| Extractive occupations .....  | 134               | 555                    | 131               | 561                    | 3                 | ( <sup>1</sup> )       |
| Precision production occupations .....                              | 3,512             | 450                    | 2,804             | 492                    | 708               | 295                    |
| Supervisors .....   | 1,323             | 520                    | 1,141             | 554                    | 182               | 361                    |
| Precision metalworking occupations .....                            | 829               | 481                    | 784               | 487                    | 45                | ( <sup>1</sup> )       |
| Tool and die makers .....   | 141               | 593                    | 138               | 595                    | 3                 | ( <sup>1</sup> )       |
| Machinists .....  | 446               | 465                    | 430               | 469                    | 16                | ( <sup>1</sup> )       |
| Sheet metal workers .....   | 139               | 464                    | 130               | 478                    | 9                 | ( <sup>1</sup> )       |
| Precision woodworking occupations .....                             | 53                | 331                    | 44                | ( <sup>1</sup> )       | 10                | ( <sup>1</sup> )       |
| Precision textile, apparel, and furnishings machine workers .....   | 123               | 274                    | 68                | 310                    | 55                | 239                    |
| Precision workers, assorted materials .....                         | 485               | 325                    | 216               | 402                    | 269               | 294                    |
| Optical goods workers .....   | 58                | 308                    | 22                | ( <sup>1</sup> )       | 36                | ( <sup>1</sup> )       |
| Electrical and electronic equipment assemblers .....                | 286               | 308                    | 95                | 379                    | 191               | 296                    |
| Precision food production occupations .....                         | 328               | 299                    | 225               | 351                    | 103               | 222                    |
| Butchers and meat cutters .....                                     | 222               | 303                    | 165               | 350                    | 57                | 215                    |
| Bakers .....  | 78                | 276                    | 48                | ( <sup>1</sup> )       | 31                | ( <sup>1</sup> )       |
| Precision inspectors, testers, and related workers .....            | 126               | 451                    | 92                | 523                    | 33                | ( <sup>1</sup> )       |
| Inspectors, testers, and graders .....                              | 114               | 459                    | 85                | 529                    | 29                | ( <sup>1</sup> )       |
| Plant and system operators .....                                    | 245               | 523                    | 234               | 523                    | 11                | ( <sup>1</sup> )       |
| Water and sewage treatment plant operators .....                    | 57                | 438                    | 52                | 432                    | 4                 | ( <sup>1</sup> )       |
| Power plant operators .....   | 54                | 586                    | 51                | 589                    | 3                 | ( <sup>1</sup> )       |
| Stationary engineers .....  | 102               | 554                    | 100               | 550                    | 2                 | ( <sup>1</sup> )       |
| Operators, fabricators, and laborers .....                          | 15,166            | 323                    | 11,349            | 366                    | 3,817             | 252                    |
| Machine operators, assemblers, and inspectors .....                 | 7,530             | 313                    | 4,526             | 379                    | 3,004             | 251                    |
| Machine operators and tenders, except precision .....               | 4,937             | 301                    | 2,934             | 364                    | 2,003             | 238                    |
| Metalworking and plastic working machine operators .....            | 460               | 372                    | 375               | 400                    | 86                | 287                    |
| Lathe and turning machine operators .....                           | 56                | 395                    | 53                | 401                    | 2                 | ( <sup>1</sup> )       |
| Punching and stamping press machine operators .....                 | 119               | 332                    | 81                | 362                    | 38                | ( <sup>1</sup> )       |
| Grinding, abrading, buffing, and polishing machine operators .....  | 143               | 374                    | 117               | 396                    | 26                | ( <sup>1</sup> )       |
| Metal and plastic processing machine operators .....                | 151               | 324                    | 113               | 377                    | 38                | ( <sup>1</sup> )       |
| Molding and casting machine operators .....                         | 93                | 306                    | 65                | 359                    | 28                | ( <sup>1</sup> )       |
| Woodworking machine operators .....                                 | 147               | 286                    | 124               | 296                    | 23                | ( <sup>1</sup> )       |
| Sawing machine operators .....                                      | 82                | 273                    | 70                | 290                    | 12                | ( <sup>1</sup> )       |
| Printing machine operators .....                                    | 400               | 391                    | 297               | 417                    | 103               | 314                    |
| Printing machine operators .....                                    | 274               | 393                    | 236               | 406                    | 39                | ( <sup>1</sup> )       |

See footnotes at end of table.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**56. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex—Continued**

(Numbers in thousands)

| Occupation  | 1989              |                        |                   |                        |                   |                        |
|---|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|
|   | Both sexes        |                        | Men               |                        | Women             |                        |
|   | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Textile, apparel, and furnishings machine operators .....     | 1,179             | \$218                  | 251               | \$281                  | 928               | \$208                  |
| Winding and twisting machine operators .....                  | 72                | 281                    | 21                | ( <sup>1</sup> )       | 50                | 257                    |
| Textile sewing machine operators .....                        | 698               | 205                    | 64                | 245                    | 633               | 202                    |
| Pressing machine operators .....                              | 98                | 213                    | 28                | ( <sup>1</sup> )       | 69                | 195                    |
| Laundering and dry cleaning machine operators .....           | 157               | 211                    | 61                | 228                    | 97                | 205                    |
| Miscellaneous textile machine operators .....                 | 76                | 281                    | 45                | ( <sup>1</sup> )       | 31                | ( <sup>1</sup> )       |
| Machine operators, assorted materials .....                   | 2,580             | 322                    | 1,760             | 368                    | 820               | 265                    |
| Packaging and filling machine operators .....                 | 439               | 264                    | 166               | 287                    | 273               | 254                    |
| Mixing and blending machine operators .....                   | 103               | 399                    | 98                | 397                    | 5                 | ( <sup>1</sup> )       |
| Separating, filtering, and clarifying machine operators ..... | 63                | 498                    | 58                | 498                    | 5                 | ( <sup>1</sup> )       |
| Painting and paint spraying machine operators .....           | 169               | 322                    | 149               | 330                    | 20                | ( <sup>1</sup> )       |
| Furnace, kiln, and oven operators, exc. food .....            | 94                | 436                    | 91                | 439                    | 3                 | ( <sup>1</sup> )       |
| Crushing and grinding machine operators .....                 | 50                | 306                    | 36                | ( <sup>1</sup> )       | 14                | ( <sup>1</sup> )       |
| Slicing and cutting machine operators .....                   | 209               | 311                    | 155               | 350                    | 54                | 232                    |
| Photographic process machine operators .....                  | 67                | 311                    | 33                | ( <sup>1</sup> )       | 34                | ( <sup>1</sup> )       |
| Fabricators, assemblers, and hand working occupations .....   | 1,756             | 343                    | 1,201             | 390                    | 555               | 266                    |
| Welders and cutters .....                                     | 561               | 403                    | 523               | 405                    | 38                | ( <sup>1</sup> )       |
| Assemblers .....  | 1,046             | 317                    | 601               | 383                    | 445               | 271                    |
| Production inspectors, testers, samplers, and weighers .....  | 837               | 342                    | 391               | 459                    | 446               | 285                    |
| Production inspectors, checkers, and examiners .....          | 682               | 358                    | 314               | 479                    | 369               | 293                    |
| Production testers .....                                      | 64                | 386                    | 41                | ( <sup>1</sup> )       | 23                | ( <sup>1</sup> )       |
| Graders and sorters, except agricultural .....                | 86                | 244                    | 32                | ( <sup>1</sup> )       | 53                | 228                    |
| Transportation and material moving occupations .....          | 4,000             | 402                    | 3,774             | 408                    | 226               | 307                    |
| Motor vehicle operators .....                                 | 2,790             | 393                    | 2,613             | 399                    | 177               | 298                    |
| Supervisors, motor vehicle operators .....                    | 76                | 466                    | 67                | 503                    | 10                | ( <sup>1</sup> )       |
| Truckdrivers, heavy .....                                     | 1,584             | 416                    | 1,556             | 417                    | 28                | ( <sup>1</sup> )       |
| Truckdrivers, light .....                                     | 586               | 319                    | 553               | 324                    | 33                | ( <sup>1</sup> )       |
| Drivers--sales workers .....                                  | 168               | 442                    | 161               | 454                    | 7                 | ( <sup>1</sup> )       |
| Bus drivers .....   | 211               | 368                    | 127               | 395                    | 85                | 326                    |
| Taxicab drivers and chauffeurs .....                          | 124               | 306                    | 114               | 320                    | 10                | ( <sup>1</sup> )       |
| Transportation occupations, except motor vehicles .....       | 163               | 629                    | 158               | 634                    | 5                 | ( <sup>1</sup> )       |
| Rail transportation .....                                     | 123               | 659                    | 119               | 663                    | 4                 | ( <sup>1</sup> )       |
| Material moving equipment operators .....                     | 1,047             | 403                    | 1,004             | 406                    | 44                | ( <sup>1</sup> )       |
| Operating engineers .....                                     | 201               | 484                    | 199               | 483                    | 3                 | ( <sup>1</sup> )       |
| Crane and tower operators .....                               | 105               | 478                    | 104               | 477                    | 1                 | ( <sup>1</sup> )       |
| Excavating and loading machine operators .....                | 104               | 429                    | 102               | 434                    | 2                 | ( <sup>1</sup> )       |
| Grader, dozer, and scraper operators .....                    | 84                | 406                    | 84                | 405                    | 1                 | ( <sup>1</sup> )       |
| Industrial truck and tractor equipment operators .....        | 459               | 353                    | 430               | 357                    | 29                | ( <sup>1</sup> )       |
| Miscellaneous material moving equipment operators .....       | 67                | 392                    | 60                | 396                    | 7                 | ( <sup>1</sup> )       |
| Handlers, equipment cleaners, helpers, and laborers .....     | 3,636             | 288                    | 3,049             | 297                    | 587               | 241                    |
| Helpers, construction and extractive occupations .....        | 97                | 270                    | 94                | 267                    | 3                 | ( <sup>1</sup> )       |
| Helpers, construction trades .....                            | 89                | 266                    | 87                | 264                    | 2                 | ( <sup>1</sup> )       |
| Construction laborers .....                                   | 649               | 326                    | 633               | 328                    | 16                | ( <sup>1</sup> )       |
| Production helpers .....                                      | 70                | 306                    | 56                | 336                    | 14                | ( <sup>1</sup> )       |
| Freight, stock, and material handlers .....                   | 1,095             | 295                    | 932               | 305                    | 162               | 228                    |
| Stock handlers and baggers .....                              | 387               | 232                    | 298               | 249                    | 89                | 202                    |
| Machine feeders and offbearers .....                          | 84                | 304                    | 63                | 312                    | 21                | ( <sup>1</sup> )       |
| Garage and service station related occupations .....          | 167               | 225                    | 159               | 227                    | 8                 | ( <sup>1</sup> )       |
| Vehicle washers and equipment cleaners .....                  | 215               | 232                    | 189               | 233                    | 25                | ( <sup>1</sup> )       |
| Hand packers and packagers .....                              | 263               | 252                    | 107               | 289                    | 156               | 224                    |
| Laborers, except construction .....                           | 1,042             | 296                    | 840               | 304                    | 203               | 266                    |
| Farming, forestry, and fishing .....                          | 1,383             | 246                    | 1,222             | 252                    | 162               | 211                    |
| Farm operators and managers .....                             | 69                | 316                    | 58                | 322                    | 10                | ( <sup>1</sup> )       |
| Farm managers .....   | 61                | 320                    | 52                | 337                    | 9                 | ( <sup>1</sup> )       |
| Other agricultural and related occupations .....              | 1,231             | 238                    | 1,083             | 244                    | 148               | 207                    |
| Farm occupations except managerial .....                      | 615               | 219                    | 533               | 223                    | 83                | 196                    |
| Farm workers .....  | 563               | 215                    | 490               | 218                    | 73                | 197                    |
| Related agricultural occupations .....                        | 615               | 261                    | 550               | 266                    | 65                | 220                    |
| Supervisors, related agricultural .....                       | 62                | 379                    | 59                | 382                    | 3                 | ( <sup>1</sup> )       |
| Groundskeepers and gardeners, except farm .....               | 502               | 254                    | 477               | 255                    | 25                | ( <sup>1</sup> )       |
| Forestry and logging occupations .....                        | 65                | 307                    | 63                | 306                    | 2                 | ( <sup>1</sup> )       |

<sup>1</sup> Data not shown where base is less than 50,000.

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates

broad categories of occupations which cannot be more specifically identified.

57. Employed wage and salary workers by age, sex, race, Hispanic origin, full- or part-time status, and union affiliation

(Numbers in thousands)

| Age, sex, race, Hispanic origin,<br>and full- or part-time status | 1988                   |                                   |                                |                                       |                                | 1989                   |                                   |                                |                                       |                                |
|---|------------------------|-----------------------------------|--------------------------------|---------------------------------------|--------------------------------|------------------------|-----------------------------------|--------------------------------|---------------------------------------|--------------------------------|
|   | Total<br>em-<br>ployed | Members of<br>unions <sup>1</sup> |                                | Represented<br>by unions <sup>2</sup> |                                | Total<br>em-<br>ployed | Members of<br>unions <sup>1</sup> |                                | Represented<br>by unions <sup>2</sup> |                                |
|   |                        | Total                             | Percent<br>of<br>em-<br>ployed | Total                                 | Percent<br>of<br>em-<br>ployed |                        | Total                             | Percent<br>of<br>em-<br>ployed | Total                                 | Percent<br>of<br>em-<br>ployed |
| <b>SEX AND AGE</b>  |                        |                                   |                                |                                       |                                |                        |                                   |                                |                                       |                                |
| Total, 16 years and over .....                                    | 101,407                | 17,002                            | 16.8                           | 19,241                                | 19.0                           | 103,480                | 16,960                            | 16.4                           | 19,198                                | 18.6                           |
| 16 to 24 years .....  | 19,469                 | 1,206                             | 6.2                            | 1,457                                 | 7.5                            | 19,154                 | 1,203                             | 6.3                            | 1,424                                 | 7.4                            |
| 25 years and over .....   | 81,938                 | 15,795                            | 19.3                           | 17,784                                | 21.7                           | 84,325                 | 15,757                            | 18.7                           | 17,773                                | 21.1                           |
| 25 to 34 years .....  | 30,688                 | 4,578                             | 14.9                           | 5,223                                 | 17.0                           | 31,210                 | 4,471                             | 14.3                           | 5,150                                 | 16.5                           |
| 35 to 44 years .....  | 24,382                 | 5,178                             | 21.2                           | 5,858                                 | 24.0                           | 25,316                 | 5,292                             | 20.9                           | 5,975                                 | 23.6                           |
| 45 to 54 years .....  | 15,468                 | 3,706                             | 24.0                           | 4,107                                 | 26.6                           | 16,233                 | 3,719                             | 22.9                           | 4,134                                 | 25.5                           |
| 55 to 64 years .....  | 9,237                  | 2,139                             | 23.2                           | 2,371                                 | 25.7                           | 9,302                  | 2,056                             | 22.1                           | 2,272                                 | 24.4                           |
| 65 years and over .....   | 2,162                  | 194                               | 9.0                            | 225                                   | 10.4                           | 2,265                  | 220                               | 9.7                            | 243                                   | 10.7                           |
| Men, 16 years and over .....                                      | 53,912                 | 11,019                            | 20.4                           | 12,132                                | 22.5                           | 54,789                 | 10,820                            | 19.7                           | 11,955                                | 21.8                           |
| 16 to 24 years .....  | 10,007                 | 768                               | 7.7                            | 911                                   | 9.1                            | 9,892                  | 775                               | 7.8                            | 899                                   | 9.1                            |
| 25 years and over .....   | 43,905                 | 10,251                            | 23.3                           | 11,221                                | 25.6                           | 44,897                 | 10,045                            | 22.4                           | 11,056                                | 24.6                           |
| 25 to 34 years .....  | 16,767                 | 3,027                             | 18.1                           | 3,355                                 | 20.0                           | 17,056                 | 2,899                             | 17.0                           | 3,237                                 | 19.0                           |
| 35 to 44 years .....  | 12,831                 | 3,323                             | 25.9                           | 3,632                                 | 28.3                           | 13,201                 | 3,297                             | 25.0                           | 3,647                                 | 27.6                           |
| 45 to 54 years .....  | 8,154                  | 2,383                             | 29.2                           | 2,571                                 | 31.5                           | 8,518                  | 2,383                             | 28.0                           | 2,583                                 | 30.3                           |
| 55 to 64 years .....  | 5,021                  | 1,409                             | 28.1                           | 1,539                                 | 30.7                           | 4,965                  | 1,344                             | 27.1                           | 1,455                                 | 29.3                           |
| 65 years and over .....   | 1,132                  | 108                               | 9.6                            | 124                                   | 11.0                           | 1,157                  | 121                               | 10.5                           | 133                                   | 11.5                           |
| Women, 16 years and over .....                                    | 47,495                 | 5,982                             | 12.6                           | 7,109                                 | 15.0                           | 48,691                 | 6,141                             | 12.6                           | 7,243                                 | 14.9                           |
| 16 to 24 years .....  | 9,463                  | 438                               | 4.6                            | 546                                   | 5.8                            | 9,262                  | 428                               | 4.6                            | 525                                   | 5.7                            |
| 25 years and over .....   | 38,033                 | 5,544                             | 14.6                           | 6,563                                 | 17.3                           | 39,428                 | 5,712                             | 14.5                           | 6,717                                 | 17.0                           |
| 25 to 34 years .....  | 13,921                 | 1,551                             | 11.1                           | 1,868                                 | 13.4                           | 14,153                 | 1,571                             | 11.1                           | 1,913                                 | 13.5                           |
| 35 to 44 years .....  | 11,551                 | 1,855                             | 16.1                           | 2,226                                 | 19.3                           | 12,114                 | 1,995                             | 16.5                           | 2,327                                 | 19.2                           |
| 45 to 54 years .....  | 7,314                  | 1,323                             | 18.1                           | 1,537                                 | 21.0                           | 7,715                  | 1,335                             | 17.3                           | 1,550                                 | 20.1                           |
| 55 to 64 years .....  | 4,216                  | 730                               | 17.3                           | 832                                   | 19.7                           | 4,337                  | 712                               | 16.4                           | 817                                   | 18.8                           |
| 65 years and over .....   | 1,030                  | 85                                | 8.3                            | 100                                   | 9.7                            | 1,108                  | 99                                | 8.9                            | 110                                   | 9.9                            |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b>                             |                        |                                   |                                |                                       |                                |                        |                                   |                                |                                       |                                |
| White, 16 years and over .....                                    | 87,176                 | 13,932                            | 16.0                           | 15,759                                | 18.1                           | 88,622                 | 13,894                            | 15.7                           | 15,689                                | 17.7                           |
| Men .....   | 46,783                 | 9,294                             | 19.9                           | 10,210                                | 21.8                           | 47,410                 | 9,140                             | 19.3                           | 10,055                                | 21.2                           |
| Women .....   | 40,393                 | 4,638                             | 11.5                           | 5,549                                 | 13.7                           | 41,212                 | 4,754                             | 11.5                           | 5,634                                 | 13.7                           |
| Black, 16 years and over .....                                    | 11,176                 | 2,559                             | 22.9                           | 2,898                                 | 25.9                           | 11,470                 | 2,549                             | 22.2                           | 2,912                                 | 25.4                           |
| Men .....   | 5,502                  | 1,438                             | 26.1                           | 1,601                                 | 29.1                           | 5,597                  | 1,387                             | 24.8                           | 1,566                                 | 28.0                           |
| Women .....   | 5,674                  | 1,121                             | 19.8                           | 1,297                                 | 22.9                           | 5,873                  | 1,162                             | 19.8                           | 1,345                                 | 22.9                           |
| Hispanic origin, 16 years and over .....                          | 7,623                  | 1,220                             | 16.0                           | 1,353                                 | 17.7                           | 7,894                  | 1,196                             | 15.2                           | 1,330                                 | 16.8                           |
| Men .....   | 4,535                  | 837                               | 18.5                           | 913                                   | 20.1                           | 4,710                  | 793                               | 16.8                           | 870                                   | 18.5                           |
| Women .....   | 3,088                  | 384                               | 12.4                           | 440                                   | 14.3                           | 3,184                  | 403                               | 12.6                           | 460                                   | 14.5                           |
| <b>FULL- OR PART-TIME STATUS<sup>3</sup></b>                      |                        |                                   |                                |                                       |                                |                        |                                   |                                |                                       |                                |
| Full-time workers .....   | 82,692                 | 15,773                            | 19.1                           | 17,753                                | 21.5                           | 84,553                 | 15,701                            | 18.6                           | 17,683                                | 20.9                           |
| Part-time workers .....   | 18,716                 | 1,229                             | 6.6                            | 1,488                                 | 8.0                            | 18,926                 | 1,259                             | 6.7                            | 1,515                                 | 8.0                            |

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> The distinction between full- and part-time workers is based on hours usually worked.

NOTE: Data refer to the sole or principal job of full- and part-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. 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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**58. Employed wage and salary workers by occupation, industry, and union affiliation**

(Numbers in thousands)

| Occupation and industry                                   | 1988           |                                |                     |                                    |                     | 1989           |                                |                     |                                    |                     |
|---|----------------|--------------------------------|---------------------|------------------------------------|---------------------|----------------|--------------------------------|---------------------|------------------------------------|---------------------|
|   | Total employed | Members of unions <sup>1</sup> |                     | Represented by unions <sup>2</sup> |                     | Total employed | Members of unions <sup>1</sup> |                     | Represented by unions <sup>2</sup> |                     |
|   |                | Total                          | Percent of employed | Total                              | Percent of employed |                | Total                          | Percent of employed | Total                              | Percent of employed |
| <b>OCCUPATION</b>   |                |                                |                     |                                    |                     |                |                                |                     |                                    |                     |
| Managerial and professional specialty .....               | 24,369         | 3,644                          | 15.0                | 4,470                              | 18.3                | 25,357         | 3,739                          | 14.7                | 4,606                              | 18.2                |
| Executive, administrative, and managerial .....           | 11,337         | 734                            | 6.5                 | 977                                | 8.6                 | 11,950         | 742                            | 6.2                 | 984                                | 8.2                 |
| Professional specialty .....                              | 13,032         | 2,910                          | 22.3                | 3,493                              | 26.8                | 13,408         | 2,997                          | 22.4                | 3,622                              | 27.0                |
| Technical, sales, and administrative support .....        | 32,271         | 3,312                          | 10.3                | 3,976                              | 12.3                | 32,633         | 3,299                          | 10.1                | 3,932                              | 12.1                |
| Technicians and related support .....                     | 3,462          | 391                            | 11.3                | 469                                | 13.5                | 3,511          | 423                            | 12.0                | 502                                | 14.3                |
| Sales occupations .....                                   | 11,019         | 587                            | 5.3                 | 689                                | 6.2                 | 11,354         | 574                            | 5.1                 | 670                                | 5.9                 |
| Administrative support, including clerical .....          | 17,790         | 2,333                          | 13.1                | 2,818                              | 15.8                | 17,768         | 2,302                          | 13.0                | 2,760                              | 15.5                |
| Service occupations .....                                 | 14,178         | 1,989                          | 14.0                | 2,225                              | 15.7                | 14,410         | 1,948                          | 13.5                | 2,172                              | 15.1                |
| Protective service .....                                  | 1,969          | 765                            | 38.9                | 839                                | 42.6                | 1,955          | 750                            | 38.3                | 816                                | 41.8                |
| Service, except protective service .....                  | 12,209         | 1,224                          | 10.0                | 1,387                              | 11.4                | 12,455         | 1,198                          | 9.6                 | 1,356                              | 10.9                |
| Precision production, craft and repair .....              | 11,766         | 3,164                          | 26.9                | 3,374                              | 28.7                | 11,906         | 3,134                          | 26.3                | 3,355                              | 28.2                |
| Operators, fabricators, and laborers .....                | 17,010         | 4,815                          | 28.3                | 5,105                              | 30.0                | 17,399         | 4,774                          | 27.4                | 5,050                              | 29.0                |
| Machine operators, assemblers, and inspectors .....       | 7,879          | 2,327                          | 29.5                | 2,453                              | 31.1                | 8,025          | 2,308                          | 28.8                | 2,432                              | 30.3                |
| Transportation and material moving occupations .....      | 4,418          | 1,330                          | 30.1                | 1,407                              | 31.8                | 4,572          | 1,321                          | 28.9                | 1,405                              | 30.7                |
| Handlers, equipment cleaners, helpers, and laborers ..... | 4,713          | 1,158                          | 24.6                | 1,245                              | 26.4                | 4,802          | 1,146                          | 23.9                | 1,214                              | 25.3                |
| Farming, forestry, and fishing .....                      | 1,813          | 77                             | 4.2                 | 91                                 | 5.0                 | 1,774          | 67                             | 3.8                 | 82                                 | 4.6                 |
| <b>INDUSTRY</b>   |                |                                |                     |                                    |                     |                |                                |                     |                                    |                     |
| Agricultural wage and salary workers .....                | 1,492          | 30                             | 2.0                 | 35                                 | 2.4                 | 1,499          | 18                             | 1.2                 | 31                                 | 2.1                 |
| Private nonagricultural wage and salary workers .....     | 82,741         | 10,674                         | 12.9                | 11,723                             | 14.2                | 84,504         | 10,520                         | 12.4                | 11,556                             | 13.7                |
| Mining .....  | 711            | 133                            | 18.7                | 146                                | 20.5                | 664            | 117                            | 17.5                | 131                                | 19.7                |
| Construction .....  | 5,193          | 1,096                          | 21.1                | 1,151                              | 22.2                | 5,322          | 1,145                          | 21.5                | 1,203                              | 22.6                |
| Manufacturing .....                                       | 20,430         | 4,516                          | 22.1                | 4,854                              | 23.8                | 20,690         | 4,467                          | 21.6                | 4,779                              | 23.1                |
| Durable goods .....                                       | 12,170         | 2,875                          | 23.6                | 3,095                              | 25.4                | 12,194         | 2,816                          | 23.1                | 3,010                              | 24.7                |
| Nondurable goods .....                                    | 8,260          | 1,641                          | 19.9                | 1,759                              | 21.3                | 8,496          | 1,651                          | 19.4                | 1,769                              | 20.8                |
| Transportation and public utilities .....                 | 6,053          | 2,001                          | 33.1                | 2,144                              | 35.4                | 6,109          | 1,927                          | 31.6                | 2,083                              | 34.1                |
| Transportation .....                                      | 3,412          | 1,104                          | 32.3                | 1,153                              | 33.8                | 3,535          | 1,047                          | 29.6                | 1,105                              | 31.3                |
| Communications and public utilities .....                 | 2,640          | 897                            | 34.0                | 992                                | 37.6                | 2,573          | 881                            | 34.2                | 978                                | 38.0                |
| Wholesale and retail trade .....                          | 20,597         | 1,386                          | 6.7                 | 1,559                              | 7.6                 | 21,136         | 1,321                          | 6.3                 | 1,478                              | 7.0                 |
| Wholesale trade .....                                     | 3,873          | 290                            | 7.5                 | 336                                | 8.7                 | 3,939          | 269                            | 6.8                 | 308                                | 7.8                 |
| Retail trade .....  | 16,724         | 1,095                          | 6.6                 | 1,223                              | 7.3                 | 17,198         | 1,052                          | 6.1                 | 1,170                              | 6.8                 |
| Finance, insurance, and real estate .....                 | 6,812          | 178                            | 2.6                 | 238                                | 3.5                 | 6,851          | 155                            | 2.3                 | 209                                | 3.1                 |
| Services .....  | 22,944         | 1,365                          | 5.9                 | 1,631                              | 7.1                 | 23,731         | 1,388                          | 5.8                 | 1,673                              | 7.0                 |
| Government workers .....                                  | 17,175         | 6,298                          | 36.7                | 7,483                              | 43.6                | 17,476         | 6,422                          | 36.7                | 7,611                              | 43.6                |

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but

whose jobs are covered by a union or an employee association contract.

NOTE: Data refer to the sole or principal job of full- and part-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers.



59. Median weekly earnings of full-time wage and salary workers by age, sex, race, Hispanic origin, and union affiliation

| Age, sex, race, and Hispanic origin      | 1988  |                                |                                      |            | 1989  |                                |                                      |            |
|--|-------|--------------------------------|--------------------------------------|------------|-------|--------------------------------|--------------------------------------|------------|
|  | Total | Members of unions <sup>1</sup> | Repre- sented by unions <sup>2</sup> | Non- union | Total | Members of unions <sup>1</sup> | Repre- sented by unions <sup>2</sup> | Non- union |
| <b>SEX AND AGE</b>                       |       |                                |                                      |            |       |                                |                                      |            |
| Total, 16 years and over .....           | \$385 | \$480                          | \$476                                | \$356      | \$399 | \$497                          | \$494                                | \$372      |
| 16 to 24 years .....                     | 249   | 312                            | 309                                  | 242        | 259   | 335                            | 331                                  | 252        |
| 25 years and over .....                  | 414   | 487                            | 485                                  | 391        | 427   | 505                            | 502                                  | 403        |
| 25 to 34 years .....                     | 383   | 453                            | 447                                  | 365        | 394   | 473                            | 466                                  | 378        |
| 35 to 44 years .....                     | 449   | 504                            | 501                                  | 419        | 472   | 519                            | 518                                  | 438        |
| 45 to 54 years .....                     | 452   | 507                            | 505                                  | 415        | 472   | 523                            | 523                                  | 431        |
| 55 to 64 years .....                     | 419   | 479                            | 479                                  | 394        | 431   | 504                            | 504                                  | 401        |
| 65 years and over .....                  | 323   | 451                            | 437                                  | 298        | 334   | 478                            | 470                                  | 306        |
| Men, 16 years and over .....             | 449   | 506                            | 505                                  | 416        | 468   | 527                            | 524                                  | 430        |
| 16 to 24 years .....                     | 261   | 329                            | 325                                  | 253        | 271   | 359                            | 356                                  | 262        |
| 25 years and over .....                  | 487   | 514                            | 513                                  | 471        | 500   | 539                            | 538                                  | 483        |
| 25 to 34 years .....                     | 420   | 479                            | 477                                  | 405        | 434   | 500                            | 496                                  | 415        |
| 35 to 44 years .....                     | 517   | 529                            | 528                                  | 511        | 542   | 561                            | 561                                  | 527        |
| 45 to 54 years .....                     | 549   | 546                            | 548                                  | 550        | 569   | 569                            | 570                                  | 567        |
| 55 to 64 years .....                     | 508   | 513                            | 515                                  | 502        | 521   | 542                            | 543                                  | 510        |
| 65 years and over .....                  | 394   | 494                            | 483                                  | 361        | 393   | 575                            | 565                                  | 358        |
| Women, 16 years and over .....           | 315   | 403                            | 399                                  | 300        | 328   | 417                            | 416                                  | 312        |
| 16 to 24 years .....                     | 235   | 281                            | 280                                  | 232        | 246   | 297                            | 299                                  | 242        |
| 25 years and over .....                  | 335   | 411                            | 409                                  | 317        | 351   | 425                            | 424                                  | 330        |
| 25 to 34 years .....                     | 326   | 400                            | 396                                  | 316        | 340   | 407                            | 403                                  | 327        |
| 35 to 44 years .....                     | 353   | 436                            | 431                                  | 329        | 370   | 452                            | 453                                  | 345        |
| 45 to 54 years .....                     | 339   | 414                            | 414                                  | 316        | 357   | 444                            | 445                                  | 329        |
| 55 to 64 years .....                     | 317   | 387                            | 384                                  | 300        | 333   | 400                            | 405                                  | 312        |
| 65 years and over .....                  | 279   | 366                            | 369                                  | 254        | 292   | 387                            | 382                                  | 267        |
| <b>RACE, HISPANIC ORIGIN, AND SEX</b>    |       |                                |                                      |            |       |                                |                                      |            |
| White, 16 years and over .....           | 394   | 488                            | 484                                  | 368        | 409   | 506                            | 503                                  | 384        |
| Men .....                                | 465   | 513                            | 512                                  | 432        | 482   | 539                            | 537                                  | 452        |
| Women .....                              | 318   | 410                            | 406                                  | 305        | 334   | 427                            | 423                                  | 317        |
| Black, 16 years and over .....           | 314   | 417                            | 413                                  | 279        | 319   | 425                            | 423                                  | 290        |
| Men .....                                | 347   | 458                            | 455                                  | 298        | 348   | 478                            | 470                                  | 305        |
| Women .....                              | 288   | 374                            | 369                                  | 263        | 301   | 385                            | 390                                  | 276        |
| Hispanic origin, 16 years and over ..... | 290   | 400                            | 397                                  | 270        | 298   | 420                            | 417                                  | 276        |
| Men .....                                | 307   | 431                            | 430                                  | 283        | 315   | 457                            | 451                                  | 291        |
| Women .....                              | 260   | 328                            | 325                                  | 249        | 269   | 369                            | 368                                  | 255        |

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

NOTE: Data refer to the sole or principal job of full-time workers.

Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. 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.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**60. Median weekly earnings of full-time wage and salary workers by occupation, industry, and union affiliation**

| Occupation and industry                                   | 1988  |                                |                                    |           | 1989  |                                |                                    |           |
|---|-------|--------------------------------|------------------------------------|-----------|-------|--------------------------------|------------------------------------|-----------|
|   | Total | Members of unions <sup>1</sup> | Represented by unions <sup>2</sup> | Non-union | Total | Members of unions <sup>1</sup> | Represented by unions <sup>2</sup> | Non-union |
| <b>OCCUPATION</b>   |       |                                |                                    |           |       |                                |                                    |           |
| Managerial and professional specialty .....               | \$552 | \$559                          | \$550                              | \$552     | \$583 | \$584                          | \$581                              | \$584     |
| Executive, administrative, and managerial .....           | 547   | 578                            | 578                                | 543       | 579   | 581                            | 584                                | 579       |
| Professional specialty .....                              | 555   | 554                            | 543                                | 561       | 586   | 585                            | 581                                | 589       |
| Technical, sales, and administrative support .....        | 347   | 424                            | 417                                | 333       | 359   | 439                            | 431                                | 346       |
| Technicians and related support .....                     | 448   | 492                            | 494                                | 437       | 475   | 514                            | 511                                | 465       |
| Sales occupations .....                                   | 385   | 407                            | 405                                | 383       | 384   | 388                            | 391                                | 384       |
| Administrative support, including clerical .....          | 318   | 417                            | 408                                | 306       | 331   | 435                            | 425                                | 316       |
| Service occupations .....                                 | 245   | 389                            | 384                                | 218       | 253   | 411                            | 406                                | 226       |
| Protective service .....                                  | 417   | 514                            | 513                                | 314       | 445   | 575                            | 574                                | 340       |
| Service, except protective service .....                  | 221   | 312                            | 308                                | 209       | 230   | 329                            | 323                                | 217       |
| Precision production, craft and repair .....              | 430   | 536                            | 531                                | 388       | 454   | 574                            | 568                                | 405       |
| Operators, fabricators, and laborers .....                | 313   | 436                            | 429                                | 273       | 323   | 455                            | 448                                | 287       |
| Machine operators, assemblers, and inspectors .....       | 302   | 416                            | 412                                | 265       | 313   | 419                            | 415                                | 281       |
| Transportation and material moving occupations .....      | 389   | 505                            | 500                                | 329       | 402   | 520                            | 515                                | 346       |
| Handlers, equipment cleaners, helpers, and laborers ..... | 277   | 404                            | 399                                | 238       | 288   | 425                            | 420                                | 252       |
| Farming, forestry, and fishing .....                      | 229   | 358                            | 357                                | 222       | 246   | 393                            | 379                                | 239       |
| <b>INDUSTRY</b>   |       |                                |                                    |           |       |                                |                                    |           |
| Agricultural wage and salary workers .....                | 230   | ( <sup>3</sup> )               | ( <sup>3</sup> )                   | 226       | 249   | ( <sup>3</sup> )               | ( <sup>3</sup> )                   | 246       |
| Private nonagricultural wage and salary workers .....     | 375   | \$474                          | \$468                              | 353       | 387   | \$489                          | \$485                              | 368       |
| Mining .....  | 525   | 528                            | 523                                | 526       | 565   | 572                            | 572                                | 561       |
| Construction .....  | 405   | 603                            | 598                                | 359       | 431   | 642                            | 634                                | 393       |
| Manufacturing .....                                       | 402   | 443                            | 440                                | 385       | 415   | 460                            | 458                                | 400       |
| Durable goods .....                                       | 426   | 464                            | 461                                | 412       | 445   | 477                            | 477                                | 428       |
| Nondurable goods .....                                    | 359   | 407                            | 405                                | 341       | 373   | 419                            | 417                                | 356       |
| Transportation and public utilities .....                 | 489   | 530                            | 525                                | 446       | 502   | 567                            | 561                                | 458       |
| Transportation .....                                      | 454   | 546                            | 543                                | 394       | 475   | 583                            | 579                                | 403       |
| Communications and public utilities .....                 | 518   | 517                            | 513                                | 525       | 535   | 547                            | 539                                | 530       |
| Wholesale and retail trade .....                          | 301   | 405                            | 401                                | 294       | 305   | 407                            | 402                                | 298       |
| Wholesale trade .....                                     | 397   | 445                            | 448                                | 391       | 412   | 477                            | 478                                | 406       |
| Retail trade .....  | 273   | 386                            | 381                                | 266       | 276   | 381                            | 375                                | 270       |
| Finance, insurance, and real estate .....                 | 391   | 390                            | 384                                | 391       | 406   | 400                            | 399                                | 407       |
| Services .....  | 340   | 389                            | 388                                | 335       | 357   | 398                            | 402                                | 352       |
| Government workers .....                                  | 444   | 489                            | 485                                | 397       | 472   | 509                            | 506                                | 419       |

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> Data not shown where base is less than 50,000.

NOTE: Data refer to the sole or principal job of full-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers.

**61. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin**

(Numbers in thousands)

| Employment status, sex, age, race, and Hispanic origin | Total United States |         | Metropolitan areas |         |                |        |         |        |
|--|---------------------|---------|--------------------|---------|----------------|--------|---------|--------|
|  | 1988                | 1989    | Total              |         | Central cities |        | Suburbs |        |
|  |                     |         | 1988               | 1989    | 1988           | 1989   | 1988    | 1989   |
| <b>TOTAL</b>   |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 184,613             | 186,393 | 143,903            | 144,911 | 57,165         | 57,094 | 86,737  | 87,817 |
| Civilian labor force .....                             | 121,669             | 123,869 | 96,260             | 97,660  | 37,035         | 37,045 | 59,225  | 60,616 |
| Percent of population .....                            | 65.9                | 66.5    | 66.9               | 67.4    | 64.8           | 64.9   | 68.3    | 69.0   |
| Employed .....   | 114,968             | 117,342 | 91,141             | 92,624  | 34,541         | 34,567 | 56,600  | 58,057 |
| Unemployed .....                                       | 6,701               | 6,528   | 5,119              | 5,036   | 2,495          | 2,478  | 2,624   | 2,559  |
| Unemployment rate .....                                | 5.5                 | 5.3     | 5.3                | 5.2     | 6.7            | 6.7    | 4.4     | 4.2    |
| Not in labor force .....                               | 62,944              | 62,523  | 47,643             | 47,250  | 20,130         | 20,049 | 27,513  | 27,201 |
| <b>Men, 20 years and over</b>                          |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 80,553              | 81,619  | 62,774             | 63,498  | 24,548         | 24,544 | 38,226  | 38,954 |
| Civilian labor force .....                             | 62,768              | 63,704  | 49,563             | 50,199  | 18,805         | 18,727 | 30,758  | 31,472 |
| Percent of population .....                            | 77.9                | 78.1    | 79.0               | 79.1    | 76.6           | 76.3   | 80.5    | 80.8   |
| Employed .....   | 59,781              | 60,837  | 47,288             | 47,986  | 17,676         | 17,606 | 29,612  | 30,380 |
| Unemployed .....                                       | 2,987               | 2,867   | 2,275              | 2,212   | 1,128          | 1,121  | 1,146   | 1,092  |
| Unemployment rate .....                                | 4.8                 | 4.5     | 4.6                | 4.4     | 6.0            | 6.0    | 3.7     | 3.5    |
| Not in labor force .....                               | 17,785              | 17,915  | 13,211             | 13,299  | 5,743          | 5,817  | 7,468   | 7,482  |
| <b>Women, 20 years and over</b>                        |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 89,532              | 90,550  | 69,878             | 70,469  | 28,347         | 28,410 | 41,530  | 42,059 |
| Civilian labor force .....                             | 50,870              | 52,212  | 40,444             | 41,349  | 16,030         | 16,175 | 24,414  | 25,174 |
| Percent of population .....                            | 56.8                | 57.7    | 57.9               | 58.7    | 56.5           | 56.9   | 58.8    | 59.9   |
| Employed .....   | 48,383              | 49,745  | 38,535             | 39,437  | 15,086         | 15,236 | 23,450  | 24,201 |
| Unemployed .....                                       | 2,487               | 2,467   | 1,909              | 1,912   | 944            | 940    | 964     | 972    |
| Unemployment rate .....                                | 4.9                 | 4.7     | 4.7                | 4.6     | 5.9            | 5.8    | 4.0     | 3.9    |
| Not in labor force .....                               | 38,662              | 38,339  | 29,434             | 29,120  | 12,318         | 12,235 | 17,116  | 16,885 |
| <b>Both sexes, 16 to 19 years</b>                      |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 14,527              | 14,223  | 11,251             | 10,944  | 4,270          | 4,140  | 6,981   | 6,804  |
| Civilian labor force .....                             | 8,031               | 7,954   | 6,253              | 6,113   | 2,201          | 2,143  | 4,052   | 3,970  |
| Percent of population .....                            | 55.3                | 55.9    | 55.6               | 55.9    | 51.5           | 51.8   | 58.0    | 58.4   |
| Employed .....   | 6,805               | 6,759   | 5,317              | 5,201   | 1,779          | 1,725  | 3,539   | 3,475  |
| Unemployed .....                                       | 1,226               | 1,194   | 936                | 912     | 422            | 417    | 514     | 495    |
| Unemployment rate .....                                | 15.3                | 15.0    | 15.0               | 14.9    | 19.2           | 19.5   | 12.7    | 12.5   |
| Not in labor force .....                               | 6,497               | 6,270   | 4,998              | 4,831   | 2,069          | 1,997  | 2,929   | 2,834  |
| <b>White</b>   |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 158,194             | 159,338 | 121,733            | 122,183 | 42,763         | 42,501 | 78,969  | 79,682 |
| Civilian labor force .....                             | 104,756             | 106,355 | 81,786             | 82,699  | 27,980         | 27,902 | 53,806  | 54,797 |
| Percent of population .....                            | 66.2                | 66.7    | 67.2               | 67.7    | 65.4           | 65.6   | 68.1    | 68.8   |
| Employed .....   | 99,812              | 101,584 | 78,117             | 79,123  | 26,508         | 26,457 | 51,609  | 52,666 |
| Unemployed .....                                       | 4,944               | 4,770   | 3,669              | 3,576   | 1,472          | 1,444  | 2,197   | 2,131  |
| Unemployment rate .....                                | 4.7                 | 4.5     | 4.5                | 4.3     | 5.3            | 5.2    | 4.1     | 3.9    |
| Not in labor force .....                               | 53,439              | 52,983  | 39,947             | 39,484  | 14,783         | 14,599 | 25,164  | 24,885 |
| <b>Black</b>   |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 20,692              | 21,021  | 17,157             | 17,465  | 11,863         | 11,952 | 5,294   | 5,513  |
| Civilian labor force .....                             | 13,205              | 13,497  | 11,170             | 11,396  | 7,408          | 7,422  | 3,762   | 3,974  |
| Percent of population .....                            | 63.8                | 64.2    | 65.1               | 65.3    | 62.4           | 62.1   | 71.1    | 72.1   |
| Employed .....   | 11,658              | 11,953  | 9,883              | 10,104  | 6,472          | 6,477  | 3,410   | 3,627  |
| Unemployed .....                                       | 1,547               | 1,544   | 1,287              | 1,292   | 935            | 945    | 352     | 347    |
| Unemployment rate .....                                | 11.7                | 11.4    | 11.5               | 11.3    | 12.6           | 12.7   | 9.4     | 8.7    |
| Not in labor force .....                               | 7,487               | 7,524   | 5,987              | 6,068   | 4,455          | 4,530  | 1,532   | 1,539  |
| <b>Hispanic origin</b>                                 |                     |         |                    |         |                |        |         |        |
| Civilian noninstitutional population .....             | 13,325              | 13,791  | 12,364             | 12,772  | 7,116          | 7,315  | 5,248   | 5,456  |
| Civilian labor force .....                             | 8,982               | 9,323   | 8,326              | 8,625   | 4,628          | 4,733  | 3,698   | 3,892  |
| Percent of population .....                            | 67.4                | 67.6    | 67.3               | 67.5    | 65.0           | 64.7   | 70.5    | 71.3   |
| Employed .....   | 8,250               | 8,573   | 7,676              | 7,940   | 4,224          | 4,316  | 3,452   | 3,624  |
| Unemployed .....                                       | 732                 | 750     | 650                | 685     | 404            | 417    | 246     | 268    |
| Unemployment rate .....                                | 8.2                 | 8.0     | 7.8                | 7.9     | 8.7            | 8.8    | 6.7     | 6.9    |
| Not in labor force .....                               | 4,342               | 4,468   | 4,038              | 4,146   | 2,489          | 2,582  | 1,549   | 1,564  |

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
ANNUAL AVERAGES**

**61. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin—Continued**

(Numbers in thousands)

| Employment status, sex, age, race, and Hispanic origin | Nonmetropolitan areas |        |                  |                  |         |        | Urban areas |         | Rural areas |        |
|--|-----------------------|--------|------------------|------------------|---------|--------|-------------|---------|-------------|--------|
|  | Total                 |        | Farm             |                  | Nonfarm |        | 1988        | 1989    | 1988        | 1989   |
|  | 1988                  | 1989   | 1988             | 1989             | 1988    | 1989   |             |         |             |        |
| <b>TOTAL</b>   |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 40,710                | 41,482 | 2,838            | 2,734            | 37,872  | 38,748 | 135,748     | 136,338 | 48,865      | 50,054 |
| Civilian labor force .....                             | 25,409                | 26,209 | 2,000            | 1,920            | 23,409  | 24,289 | 90,006      | 90,968  | 31,663      | 32,901 |
| Percent of population .....                            | 62.4                  | 63.2   | 70.5             | 70.2             | 61.8    | 62.7   | 66.3        | 66.7    | 64.8        | 65.7   |
| Employed .....   | 23,827                | 24,718 | 1,960            | 1,881            | 21,868  | 22,837 | 84,985      | 86,034  | 29,983      | 31,308 |
| Unemployed .....                                       | 1,582                 | 1,491  | 40               | 39               | 1,541   | 1,452  | 5,021       | 4,934   | 1,680       | 1,593  |
| Unemployment rate .....                                | 6.2                   | 5.7    | 2.0              | 2.0              | 6.6     | 6.0    | 5.6         | 5.4     | 5.3         | 4.8    |
| Not in labor force .....                               | 15,301                | 15,273 | 838              | 814              | 14,463  | 14,459 | 45,742      | 45,370  | 17,202      | 17,153 |
| <b>Men, 20 years and over</b>                          |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 17,771                | 18,121 | 1,358            | 1,325            | 16,414  | 16,796 | 58,655      | 59,063  | 21,890      | 22,557 |
| Civilian labor force .....                             | 13,200                | 13,505 | 1,139            | 1,108            | 12,060  | 12,397 | 45,921      | 46,251  | 16,841      | 17,453 |
| Percent of population .....                            | 74.3                  | 74.5   | 83.9             | 83.6             | 73.5    | 73.8   | 78.3        | 78.3    | 76.9        | 77.4   |
| Employed .....   | 12,488                | 12,851 | 1,123            | 1,095            | 11,364  | 11,757 | 43,685      | 44,092  | 16,091      | 16,745 |
| Unemployed .....                                       | 712                   | 654    | 16               | 14               | 696     | 641    | 2,236       | 2,159   | 750         | 708    |
| Unemployment rate .....                                | 5.4                   | 4.8    | 1.4              | 1.2              | 5.8     | 5.2    | 4.9         | 4.7     | 4.5         | 4.1    |
| Not in labor force .....                               | 4,571                 | 4,616  | 218              | 217              | 4,353   | 4,399  | 12,734      | 12,811  | 5,048       | 5,104  |
| <b>Women, 20 years and over</b>                        |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 19,662                | 20,081 | 1,239            | 1,196            | 18,424  | 18,885 | 66,697      | 67,117  | 22,843      | 23,433 |
| Civilian labor force .....                             | 10,432                | 10,863 | 711              | 686              | 9,720   | 10,176 | 38,343      | 39,056  | 12,532      | 13,156 |
| Percent of population .....                            | 53.1                  | 54.1   | 57.4             | 57.4             | 52.8    | 53.9   | 57.5        | 58.2    | 54.9        | 56.1   |
| Employed .....   | 9,852                 | 10,308 | 697              | 671              | 9,155   | 9,637  | 36,468      | 37,173  | 11,920      | 12,572 |
| Unemployed .....                                       | 579                   | 555    | 14               | 15               | 566     | 539    | 1,876       | 1,883   | 612         | 583    |
| Unemployment rate .....                                | 5.6                   | 5.1    | 1.9              | 2.2              | 5.8     | 5.3    | 4.9         | 4.8     | 4.9         | 4.4    |
| Not in labor force .....                               | 9,231                 | 9,219  | 527              | 510              | 8,703   | 8,709  | 28,354      | 28,061  | 10,310      | 10,278 |
| <b>Both sexes, 16 to 19 years</b>                      |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 3,276                 | 3,280  | 242              | 212              | 3,034   | 3,067  | 10,395      | 10,159  | 4,132       | 4,064  |
| Civilian labor force .....                             | 1,778                 | 1,841  | 149              | 125              | 1,628   | 1,716  | 5,741       | 5,661   | 2,289       | 2,293  |
| Percent of population .....                            | 54.3                  | 56.1   | 61.7             | 58.9             | 53.7    | 55.9   | 55.2        | 55.7    | 55.4        | 56.4   |
| Employed .....   | 1,487                 | 1,559  | 139              | 115              | 1,348   | 1,443  | 4,832       | 4,768   | 1,972       | 1,991  |
| Unemployed .....                                       | 290                   | 282    | 10               | 10               | 280     | 272    | 909         | 892     | 317         | 302    |
| Unemployment rate .....                                | 16.3                  | 15.3   | 7.0              | 7.9              | 17.2    | 15.9   | 15.8        | 15.8    | 13.8        | 13.2   |
| Not in labor force .....                               | 1,499                 | 1,439  | 93               | 87               | 1,406   | 1,351  | 4,654       | 4,498   | 1,843       | 1,772  |
| <b>White</b>   |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 36,462                | 37,155 | 2,767            | 2,668            | 33,695  | 34,487 | 112,907     | 112,975 | 45,288      | 46,363 |
| Civilian labor force .....                             | 22,969                | 23,656 | 1,956            | 1,881            | 21,013  | 21,775 | 75,219      | 75,721  | 29,536      | 30,634 |
| Percent of population .....                            | 63.0                  | 63.7   | 70.7             | 70.5             | 62.4    | 63.1   | 66.6        | 67.0    | 65.2        | 66.1   |
| Employed .....   | 21,695                | 22,461 | 1,919            | 1,846            | 19,776  | 20,616 | 71,727      | 72,325  | 28,085      | 29,259 |
| Unemployed .....                                       | 1,275                 | 1,195  | 37               | 35               | 1,238   | 1,160  | 3,493       | 3,396   | 1,451       | 1,375  |
| Unemployment rate .....                                | 5.5                   | 5.1    | 1.9              | 1.9              | 5.9     | 5.3    | 4.6         | 4.5     | 4.9         | 4.5    |
| Not in labor force .....                               | 13,492                | 13,499 | 810              | 787              | 12,682  | 12,712 | 37,687      | 37,254  | 15,751      | 15,729 |
| <b>Black</b>   |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 3,536                 | 3,557  | 57               | 47               | 3,479   | 3,510  | 17,800      | 18,081  | 2,893       | 2,940  |
| Civilian labor force .....                             | 2,035                 | 2,101  | 35               | 28               | 2,000   | 2,074  | 11,477      | 11,696  | 1,728       | 1,801  |
| Percent of population .....                            | 57.6                  | 59.1   | 61.8             | 59.2             | 57.5    | 59.1   | 64.5        | 64.7    | 59.7        | 61.3   |
| Employed .....   | 1,775                 | 1,849  | 32               | 24               | 1,743   | 1,825  | 10,118      | 10,331  | 1,540       | 1,622  |
| Unemployed .....                                       | 260                   | 252    | 3                | 3                | 257     | 249    | 1,358       | 1,365   | 188         | 179    |
| Unemployment rate .....                                | 12.8                  | 12.0   | 7.6              | ( <sup>1</sup> ) | 12.8    | 12.0   | 11.8        | 11.7    | 10.9        | 9.9    |
| Not in labor force .....                               | 1,500                 | 1,455  | 22               | 19               | 1,479   | 1,436  | 6,323       | 6,384   | 1,164       | 1,139  |
| <b>Hispanic origin</b>                                 |                       |        |                  |                  |         |        |             |         |             |        |
| Civilian noninstitutional population .....             | 960                   | 1,019  | 42               | 44               | 919     | 975    | 12,248      | 12,590  | 1,076       | 1,201  |
| Civilian labor force .....                             | 656                   | 697    | 30               | 30               | 627     | 667    | 8,252       | 8,506   | 730         | 817    |
| Percent of population .....                            | 68.3                  | 68.4   | 70.6             | 68.8             | 68.2    | 68.4   | 67.4        | 67.6    | 67.9        | 68.0   |
| Employed .....   | 574                   | 633    | 26               | 30               | 548     | 603    | 7,591       | 7,830   | 659         | 743    |
| Unemployed .....                                       | 83                    | 65     | 4                | 1                | 79      | 64     | 661         | 676     | 71          | 74     |
| Unemployment rate .....                                | 12.6                  | 9.3    | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 12.6    | 9.6    | 8.0         | 8.0     | 9.7         | 9.0    |
| Not in labor force .....                               | 304                   | 322    | 12               | 14               | 292     | 308    | 3,996       | 4,084   | 346         | 384    |

<sup>1</sup> Data not shown where base is less than 35,000.

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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
ANNUAL AVERAGES**

**62. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin**

(Numbers in thousands)

| Employment status, race, and Hispanic origin | Total United States |        |                  |         | Metropolitan areas |        |                  |         | Nonmetropolitan areas |                  |                  |                  |
|--|---------------------|--------|------------------|---------|--------------------|--------|------------------|---------|-----------------------|------------------|------------------|------------------|
|  | Poverty areas       |        | Nonpoverty areas |         | Poverty areas      |        | Nonpoverty areas |         | Poverty areas         |                  | Nonpoverty areas |                  |
|  | 1988                | 1989   | 1988             | 1989    | 1988               | 1989   | 1988             | 1989    | 1988                  | 1989             | 1988             | 1989             |
| <b>TOTAL</b>                                 |                     |        |                  |         |                    |        |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 27,479              | 27,456 | 157,134          | 158,936 | 18,182             | 18,041 | 125,720          | 126,870 | 9,296                 | 9,415            | 31,414           | 32,066           |
| Civilian labor force .....                   | 15,748              | 15,786 | 105,921          | 108,084 | 10,372             | 10,277 | 85,888           | 87,383  | 5,376                 | 5,509            | 20,033           | 20,700           |
| Percent of population .....                  | 57.3                | 57.5   | 67.4             | 68.0    | 57.0               | 57.0   | 68.3             | 68.9    | 57.8                  | 58.5             | 63.8             | 64.6             |
| Employed .....                               | 14,089              | 14,180 | 100,879          | 103,162 | 9,188              | 9,112  | 81,953           | 83,512  | 4,901                 | 5,068            | 18,926           | 19,650           |
| Unemployed .....                             | 1,658               | 1,606  | 5,042            | 4,922   | 1,184              | 1,165  | 3,935            | 3,872   | 475                   | 441              | 1,107            | 1,050            |
| Unemployment rate .....                      | 10.5                | 10.2   | 4.8              | 4.6     | 11.4               | 11.3   | 4.6              | 4.4     | 8.8                   | 8.0              | 5.5              | 5.1              |
| Men, 20 years and over .....                 | 9.3                 | 9.0    | 4.1              | 3.9     | 10.3               | 10.3   | 3.9              | 3.7     | 7.4                   | 6.6              | 4.9              | 4.4              |
| Women, 20 years and over .....               | 9.4                 | 8.9    | 4.2              | 4.1     | 10.1               | 9.7    | 4.1              | 4.0     | 8.1                   | 7.4              | 4.9              | 4.5              |
| Both sexes, 16 to 19 years .....             | 26.8                | 26.7   | 13.5             | 13.1    | 28.0               | 29.3   | 13.3             | 13.0    | 24.6                  | 21.8             | 14.2             | 13.6             |
| Men .....                                    | 26.9                | 26.5   | 14.2             | 14.2    | 29.1               | 29.9   | 14.3             | 14.2    | 22.7                  | 20.8             | 13.9             | 14.1             |
| Women .....                                  | 26.7                | 26.8   | 12.7             | 12.1    | 26.5               | 28.8   | 12.3             | 11.8    | 27.0                  | 23.1             | 14.5             | 13.1             |
| Not in labor force .....                     | 11,731              | 11,670 | 51,213           | 50,853  | 7,810              | 7,764  | 39,832           | 39,487  | 3,920                 | 3,907            | 11,381           | 11,366           |
| <b>White</b>                                 |                     |        |                  |         |                    |        |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 16,551              | 16,550 | 141,643          | 142,788 | 9,768              | 9,617  | 111,965          | 112,565 | 6,784                 | 6,933            | 29,678           | 30,222           |
| Civilian labor force .....                   | 9,731               | 9,772  | 95,025           | 96,582  | 5,712              | 5,634  | 76,074           | 77,065  | 4,019                 | 4,138            | 18,951           | 19,518           |
| Percent of population .....                  | 58.8                | 59.0   | 67.1             | 67.6    | 58.5               | 58.6   | 67.9             | 68.5    | 59.2                  | 59.7             | 63.9             | 64.6             |
| Employed .....                               | 8,967               | 9,034  | 90,845           | 92,551  | 5,220              | 5,144  | 72,897           | 73,979  | 3,747                 | 3,889            | 17,948           | 18,572           |
| Unemployed .....                             | 764                 | 739    | 4,179            | 4,032   | 492                | 490    | 3,177            | 3,086   | 272                   | 249              | 1,003            | 946              |
| Unemployment rate .....                      | 7.9                 | 7.6    | 4.4              | 4.2     | 8.6                | 8.7    | 4.2              | 4.0     | 6.8                   | 6.0              | 5.3              | 4.8              |
| Men, 20 years and over .....                 | 7.0                 | 6.7    | 3.8              | 3.6     | 8.0                | 7.8    | 3.6              | 3.4     | 5.5                   | 5.3              | 4.7              | 4.2              |
| Women, 20 years and over .....               | 6.9                 | 6.7    | 3.8              | 3.7     | 7.4                | 7.8    | 3.6              | 3.6     | 6.2                   | 5.3              | 4.6              | 4.3              |
| Both sexes, 16 to 19 years .....             | 20.2                | 19.1   | 12.4             | 12.0    | 20.2               | 21.2   | 12.1             | 11.7    | 20.3                  | 16.0             | 13.5             | 13.0             |
| Men .....                                    | 20.6                | 19.8   | 13.1             | 13.0    | 21.5               | 22.7   | 13.1             | 12.9    | 19.3                  | 16.0             | 13.4             | 13.6             |
| Women .....                                  | 19.7                | 18.2   | 11.6             | 10.8    | 18.4               | 19.7   | 11.0             | 10.4    | 21.7                  | 16.1             | 13.6             | 12.4             |
| Not in labor force .....                     | 6,820               | 6,778  | 46,619           | 46,205  | 4,055              | 3,983  | 35,891           | 35,501  | 2,765                 | 2,795            | 10,727           | 10,704           |
| <b>Black</b>                                 |                     |        |                  |         |                    |        |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 9,817               | 9,782  | 10,875           | 11,239  | 7,611              | 7,600  | 9,546            | 9,865   | 2,206                 | 2,182            | 1,329            | 1,375            |
| Civilian labor force .....                   | 5,418               | 5,412  | 7,787            | 8,086   | 4,222              | 4,198  | 6,948            | 7,198   | 1,196                 | 1,213            | 839              | 888              |
| Percent of population .....                  | 55.2                | 55.3   | 71.6             | 71.9    | 55.5               | 55.2   | 72.8             | 73.0    | 54.2                  | 55.6             | 63.1             | 64.6             |
| Employed .....                               | 4,588               | 4,598  | 7,070            | 7,355   | 3,568              | 3,557  | 6,314            | 6,547   | 1,020                 | 1,041            | 756              | 808              |
| Unemployed .....                             | 829                 | 813    | 717              | 731     | 654                | 641    | 633              | 651     | 176                   | 172              | 84               | 80               |
| Unemployment rate .....                      | 15.3                | 15.0   | 9.2              | 9.0     | 15.5               | 15.3   | 9.1              | 9.0     | 14.7                  | 14.2             | 10.0             | 9.0              |
| Men, 20 years and over .....                 | 13.9                | 13.9   | 7.5              | 7.4     | 14.3               | 14.8   | 7.5              | 7.3     | 12.4                  | 11.0             | 7.9              | 8.3              |
| Women, 20 years and over .....               | 13.3                | 12.3   | 8.3              | 8.2     | 13.2               | 12.0   | 8.2              | 8.2     | 13.6                  | 13.3             | 9.0              | 7.7              |
| Both sexes, 16 to 19 years .....             | 38.7                | 39.8   | 27.8             | 26.9    | 39.0               | 40.7   | 27.4             | 27.2    | 37.8                  | 37.1             | 30.5             | 24.3             |
| Men .....                                    | 39.0                | 38.9   | 28.2             | 26.9    | 40.5               | 40.2   | 28.3             | 27.6    | 33.6                  | 35.1             | 27.2             | 20.4             |
| Women .....                                  | 38.4                | 40.8   | 27.3             | 27.0    | 37.2               | 41.3   | 26.4             | 26.8    | 42.5                  | 39.2             | 33.8             | ( <sup>1</sup> ) |
| Not in labor force .....                     | 4,399               | 4,370  | 3,088            | 3,154   | 3,389              | 3,402  | 2,598            | 2,667   | 1,010                 | 969              | 490              | 487              |
| <b>Hispanic origin</b>                       |                     |        |                  |         |                    |        |                  |         |                       |                  |                  |                  |
| Civilian noninstitutional population .....   | 4,553               | 4,519  | 8,771            | 9,272   | 4,193              | 4,162  | 8,171            | 8,610   | 361                   | 356              | 600              | 663              |
| Civilian labor force .....                   | 2,734               | 2,672  | 6,249            | 6,651   | 2,500              | 2,445  | 5,826            | 6,180   | 234                   | 226              | 422              | 471              |
| Percent of population .....                  | 60.0                | 59.1   | 71.2             | 71.7    | 59.6               | 58.7   | 71.3             | 71.8    | 65.0                  | 63.5             | 70.4             | 71.1             |
| Employed .....                               | 2,445               | 2,376  | 5,805            | 6,196   | 2,239              | 2,174  | 5,437            | 5,767   | 205                   | 203              | 368              | 430              |
| Unemployed .....                             | 289                 | 295    | 443              | 455     | 260                | 271    | 389              | 414     | 29                    | 24               | 54               | 41               |
| Unemployment rate .....                      | 10.6                | 11.0   | 7.1              | 6.8     | 10.4               | 11.1   | 6.7              | 6.7     | 12.3                  | 10.4             | 12.8             | 8.7              |
| Men, 20 years and over .....                 | 9.3                 | 9.3    | 5.9              | 5.5     | 9.2                | 9.3    | 5.5              | 5.3     | 9.6                   | 9.2              | 11.7             | 7.3              |
| Women, 20 years and over .....               | 9.5                 | 11.2   | 6.2              | 6.8     | 9.4                | 11.2   | 5.9              | 6.8     | 11.0                  | 11.3             | 10.9             | 7.7              |
| Both sexes, 16 to 19 years .....             | 24.0                | 23.1   | 21.0             | 17.7    | 23.0               | 23.7   | 20.2             | 17.2    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 22.7             |
| Men .....                                    | 24.3                | 25.0   | 21.8             | 18.3    | 23.0               | 25.8   | 21.5             | 18.5    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Women .....                                  | 23.6                | 20.9   | 19.9             | 16.7    | 22.9               | 21.3   | 18.7             | 15.2    | ( <sup>1</sup> )      | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Not in labor force .....                     | 1,820               | 1,847  | 2,523            | 2,621   | 1,693              | 1,717  | 2,345            | 2,429   | 126                   | 130              | 178              | 192              |

<sup>1</sup> Data not shown where base is less than 35,000.  
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. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**ESTABLISHMENT DATA  
EMPLOYMENT  
ANNUAL AVERAGES**

**63. Employees on nonagricultural payrolls by major industry and manufacturing group**

(In thousands)

| Industry   | 1986    | 1987    | 1988    | 1989 <sup>p</sup> |
|--|---------|---------|---------|-------------------|
| <b>Total</b> .....                               | 99,525  | 102,200 | 105,584 | 108,573           |
| <b>Total private</b> .....                       | 82,832  | 85,190  | 88,212  | 90,847            |
| <b>Goods-producing</b> .....                     | 24,558  | 24,708  | 25,249  | 25,634            |
| <b>Mining</b> .....                              | 777     | 717     | 721     | 722               |
| Oil and gas extraction .....                     | 450.5   | 401.8   | 405.9   | 403.2             |
| <b>Construction</b> .....                        | 4,816   | 4,967   | 5,125   | 5,302             |
| General building contractors .....               | 1,290.8 | 1,320.0 | 1,367.8 | 1,391.4           |
| <b>Manufacturing</b> .....                       | 18,965  | 19,024  | 19,403  | 19,611            |
| <b>Durable goods</b> .....                       | 11,230  | 11,194  | 11,437  | 11,536            |
| Lumber and wood products .....                   | 710.3   | 741.4   | 764.8   | 769.4             |
| Furniture and fixtures .....                     | 498.2   | 515.8   | 529.7   | 530.6             |
| Stone, clay, and glass products .....            | 585.1   | 585.8   | 599.9   | 602.8             |
| Primary metal industries .....                   | 751.7   | 746.8   | 773.7   | 782.4             |
| Blast furnaces and basic steel products .....    | 273.5   | 268.4   | 277.2   | 274.1             |
| Fabricated metal products .....                  | 1,423.3 | 1,400.6 | 1,431.1 | 1,445.3           |
| Machinery, except electrical .....               | 2,052.8 | 2,007.9 | 2,081.8 | 2,145.3           |
| Electrical and electronic equipment .....        | 2,116.3 | 2,068.9 | 2,070.2 | 2,038.2           |
| Transportation equipment .....                   | 2,025.1 | 2,050.6 | 2,051.3 | 2,053.1           |
| Motor vehicles and equipment .....               | 872.4   | 866.6   | 856.5   | 855.6             |
| Instruments and related products .....           | 706.2   | 706.2   | 748.5   | 777.4             |
| Miscellaneous manufacturing .....                | 361.3   | 370.5   | 385.7   | 391.4             |
| <b>Nondurable goods</b> .....                    | 7,734   | 7,830   | 7,967   | 8,075             |
| Food and kindred products .....                  | 1,609.3 | 1,620.4 | 1,635.8 | 1,664.2           |
| Tobacco manufactures .....                       | 58.6    | 55.2    | 55.8    | 52.9              |
| Textile mill products .....                      | 703.2   | 725.6   | 729.1   | 726.3             |
| Apparel and other textile products .....         | 1,100.8 | 1,098.8 | 1,092.3 | 1,091.9           |
| Paper and allied products .....                  | 673.7   | 680.1   | 692.6   | 697.3             |
| Printing and publishing .....                    | 1,458.5 | 1,506.2 | 1,561.3 | 1,606.5           |
| Chemicals and allied products .....              | 1,021.8 | 1,025.9 | 1,064.5 | 1,092.8           |
| Petroleum and coal products .....                | 168.8   | 163.9   | 161.8   | 162.3             |
| Rubber and misc. plastics products .....         | 790.3   | 810.6   | 829.4   | 839.6             |
| Leather and leather products .....               | 149.1   | 143.4   | 144.3   | 140.9             |
| <b>Service-producing</b> .....                   | 74,967  | 77,492  | 80,335  | 82,938            |
| <b>Transportation and public utilities</b> ..... | 5,255   | 5,372   | 5,548   | 5,703             |
| Transportation .....                             | 3,058   | 3,164   | 3,334   | 3,513             |
| Communication and public utilities .....         | 2,197   | 2,208   | 2,214   | 2,190             |
| <b>Wholesale trade</b> .....                     | 5,753   | 5,844   | 6,029   | 6,234             |
| Durable goods .....                              | 3,383   | 3,427   | 3,561   | 3,696             |
| Nondurable goods .....                           | 2,370   | 2,417   | 2,467   | 2,538             |
| <b>Retail trade</b> .....                        | 17,930  | 18,483  | 19,110  | 19,573            |
| General merchandise stores .....                 | 2,365.7 | 2,411.8 | 2,460.5 | 2,482.1           |
| Food stores .....                                | 2,898.9 | 2,961.8 | 3,098.4 | 3,270.0           |
| Automotive dealers and service stations .....    | 1,943.6 | 2,003.7 | 2,089.7 | 2,157.1           |
| Eating and drinking places .....                 | 5,916.2 | 6,105.8 | 6,281.8 | 6,369.9           |
| <b>Finance, insurance, and real estate</b> ..... | 6,283   | 6,547   | 6,676   | 6,814             |
| Finance .....                                    | 3,149   | 3,270   | 3,290   | 3,329             |
| Insurance .....                                  | 1,939   | 2,024   | 2,082   | 2,128             |
| Real estate .....                                | 1,195   | 1,253   | 1,304   | 1,357             |
| <b>Services</b> .....                            | 23,053  | 24,236  | 25,600  | 26,889            |
| Business services .....                          | 4,799.2 | 5,195.2 | 5,570.5 | 5,788.3           |
| Health services .....                            | 6,535.7 | 6,805.4 | 7,144.2 | 7,634.8           |
| <b>Government</b> .....                          | 16,693  | 17,010  | 17,372  | 17,726            |
| Federal .....                                    | 2,899   | 2,943   | 2,971   | 2,988             |
| State .....                                      | 3,893   | 3,967   | 4,063   | 4,136             |
| Local .....                                      | 9,901   | 10,100  | 10,339  | 10,603            |

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark

levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
ANNUAL AVERAGES**

**64. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group**

(In thousands)

| Industry   | 1986    | 1987    | 1988    | 1989 <sup>p</sup> |
|--|---------|---------|---------|-------------------|
| <b>Total private</b> .....                       | 67,018  | 68,976  | 71,413  | 73,525            |
| <b>Goods-producing</b> .....                     | 17,197  | 17,358  | 17,775  | 18,024            |
| <b>Mining</b> .....                              | 545     | 511     | 519     | 519               |
| <b>Construction</b> .....                        | 3,775   | 3,877   | 4,002   | 4,128             |
| <b>Manufacturing</b> .....                       | 12,877  | 12,970  | 13,254  | 13,377            |
| <b>Durable goods</b> .....                       | 7,426   | 7,439   | 7,635   | 7,688             |
| Lumber and wood products .....                   | 597.0   | 619.9   | 637.1   | 638.3             |
| Furniture and fixtures .....                     | 398.0   | 412.9   | 423.0   | 423.1             |
| Stone, clay, and glass products .....            | 450.3   | 453.2   | 466.4   | 468.4             |
| Primary metal industries .....                   | 565.5   | 562.6   | 592.1   | 597.6             |
| Blast furnaces and basic steel products .....    | 208.8   | 202.9   | 214.6   | 211.4             |
| Fabricated metal products .....                  | 1,051.8 | 1,038.9 | 1,066.6 | 1,072.6           |
| Machinery, except electrical .....               | 1,221.2 | 1,191.2 | 1,252.0 | 1,300.3           |
| Electrical and electronic equipment .....        | 1,226.5 | 1,214.4 | 1,223.7 | 1,199.7           |
| Transportation equipment .....                   | 1,271.8 | 1,292.4 | 1,280.5 | 1,275.1           |
| Motor vehicles and equipment .....               | 670.7   | 673.7   | 667.4   | 661.3             |
| Instruments and related products .....           | 382.4   | 383.6   | 412.3   | 428.9             |
| Miscellaneous manufacturing .....                | 262.0   | 270.1   | 280.9   | 284.0             |
| <b>Nondurable goods</b> .....                    | 5,450   | 5,531   | 5,619   | 5,689             |
| Food and kindred products .....                  | 1,131.2 | 1,147.7 | 1,162.6 | 1,191.5           |
| Tobacco manufactures .....                       | 44.2    | 41.6    | 41.7    | 39.3              |
| Textile mill products .....                      | 608.4   | 629.8   | 632.1   | 627.6             |
| Apparel and other textile products .....         | 926.9   | 923.3   | 918.6   | 921.1             |
| Paper and allied products .....                  | 511.0   | 516.3   | 523.8   | 525.6             |
| Printing and publishing .....                    | 817.1   | 841.3   | 873.6   | 891.9             |
| Chemicals and allied products .....              | 568.0   | 575.3   | 596.3   | 613.6             |
| Petroleum and coal products .....                | 105.9   | 106.8   | 105.4   | 106.0             |
| Rubber and misc. plastics products .....         | 614.6   | 629.0   | 645.9   | 655.5             |
| Leather and leather products .....               | 122.8   | 119.8   | 119.2   | 116.8             |
| <b>Service-producing</b> .....                   | 49,822  | 51,618  | 53,637  | 55,502            |
| <b>Transportation and public utilities</b> ..... | 4,345   | 4,455   | 4,610   | 4,751             |
| <b>Wholesale trade</b> .....                     | 4,615   | 4,682   | 4,854   | 5,016             |
| <b>Retail trade</b> .....                        | 15,969  | 16,431  | 16,936  | 17,323            |
| <b>Finance, insurance, and real estate</b> ..... | 4,645   | 4,808   | 4,849   | 4,937             |
| <b>Services</b> .....                            | 20,248  | 21,242  | 22,389  | 23,474            |

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

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
ANNUAL AVERAGES**

**65. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group**

| Industry   | Average weekly hours |      |      |                   | Average hourly earnings |                  |                  |                   | Average weekly earnings |                  |                  |                   |
|--|----------------------|------|------|-------------------|-------------------------|------------------|------------------|-------------------|-------------------------|------------------|------------------|-------------------|
|  | 1986                 | 1987 | 1988 | 1989 <sup>P</sup> | 1986                    | 1987             | 1988             | 1989 <sup>P</sup> | 1986                    | 1987             | 1988             | 1989 <sup>P</sup> |
| <b>Total private</b> .....                       | 34.8                 | 34.8 | 34.7 | 34.7              | \$8.76                  | \$8.98           | \$9.29           | \$9.66            | \$304.85                | \$312.50         | \$322.36         | \$335.20          |
| <b>Mining</b> .....                              | 42.2                 | 42.4 | 42.3 | 42.8              | 12.46                   | 12.54            | 12.75            | 13.13             | 525.81                  | 531.70           | 539.33           | 561.96            |
| <b>Construction</b> .....                        | 37.4                 | 37.8 | 37.9 | 37.9              | 12.48                   | 12.71            | 13.01            | 13.37             | 466.75                  | 480.44           | 493.08           | 506.72            |
| <b>Manufacturing</b> .....                       | 40.7                 | 41.0 | 41.1 | 41.0              | 9.73                    | 9.91             | 10.18            | 10.47             | 396.01                  | 406.31           | 418.40           | 429.27            |
| <i>Overtime hours</i> .....                      | 3.4                  | 3.7  | 3.9  | 3.8               | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  |
| <b>Durable goods</b> .....                       | 41.3                 | 41.5 | 41.8 | 41.6              | \$10.29                 | \$10.44          | \$10.71          | \$11.00           | \$424.98                | \$433.26         | \$447.68         | \$457.60          |
| <i>Overtime hours</i> .....                      | 3.5                  | 3.8  | 4.1  | 3.9               | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  |
| Lumber and wood products .....                   | 40.3                 | 40.6 | 40.3 | 40.0              | \$8.34                  | \$8.40           | \$8.61           | \$8.86            | \$336.10                | \$341.04         | \$346.98         | \$354.40          |
| Furniture and fixtures .....                     | 39.8                 | 40.0 | 39.4 | 39.5              | 7.46                    | 7.67             | 7.94             | 8.25              | 296.91                  | 306.80           | 312.84           | 325.88            |
| Stone, clay, and glass products .....            | 42.2                 | 42.3 | 42.3 | 42.3              | 10.04                   | 10.25            | 10.47            | 10.74             | 423.69                  | 433.58           | 442.88           | 454.30            |
| Primary metal industries .....                   | 41.9                 | 43.1 | 43.6 | 43.0              | 11.86                   | 11.94            | 12.15            | 12.36             | 496.93                  | 514.61           | 529.74           | 531.48            |
| Blast furnaces and basic steel products .....    | 41.7                 | 43.4 | 44.0 | 43.4              | 13.73                   | 13.77            | 13.97            | 14.23             | 572.54                  | 597.62           | 614.68           | 617.58            |
| Fabricated metal products .....                  | 41.3                 | 41.6 | 41.9 | 41.6              | 9.88                    | 10.00            | 10.26            | 10.54             | 408.04                  | 416.00           | 429.89           | 438.46            |
| Machinery, except electrical .....               | 41.6                 | 42.2 | 42.6 | 42.4              | 10.57                   | 10.72            | 11.01            | 11.35             | 439.71                  | 452.38           | 469.03           | 481.24            |
| Electrical and electronic equipment .....        | 41.0                 | 40.9 | 41.0 | 40.8              | 9.65                    | 9.88             | 10.13            | 10.38             | 395.65                  | 404.09           | 415.33           | 423.50            |
| Transportation equipment .....                   | 42.3                 | 42.0 | 42.7 | 42.4              | 12.81                   | 12.94            | 13.31            | 13.71             | 541.86                  | 543.48           | 568.34           | 581.30            |
| Motor vehicles and equipment .....               | 42.6                 | 42.2 | 43.5 | 43.1              | 13.45                   | 13.53            | 14.00            | 14.29             | 572.97                  | 570.97           | 609.00           | 615.90            |
| Instruments and related products .....           | 41.0                 | 41.4 | 41.5 | 41.3              | 9.47                    | 9.72             | 9.98             | 10.27             | 388.27                  | 402.41           | 414.17           | 424.15            |
| Miscellaneous manufacturing .....                | 39.6                 | 39.4 | 39.2 | 39.5              | 7.55                    | 7.76             | 8.01             | 8.31              | 298.98                  | 305.74           | 313.99           | 328.25            |
| <b>Nondurable goods</b> .....                    | 39.9                 | 40.2 | 40.1 | 40.2              | 8.95                    | 9.18             | 9.43             | 9.73              | 357.11                  | 369.04           | 378.14           | 391.15            |
| <i>Overtime hours</i> .....                      | 3.3                  | 3.6  | 3.7  | 3.7               | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> )  |
| Food and kindred products .....                  | 40.0                 | 40.2 | 40.3 | 40.7              | \$8.75                  | \$8.93           | \$9.10           | \$9.33            | \$350.00                | \$358.99         | \$366.73         | \$379.73          |
| Tobacco manufactures .....                       | 37.4                 | 39.0 | 39.8 | 38.5              | 12.88                   | 14.07            | 14.68            | 15.37             | 481.71                  | 548.73           | 584.26           | 591.75            |
| Textile mill products .....                      | 41.1                 | 41.8 | 41.1 | 41.0              | 6.93                    | 7.17             | 7.37             | 7.68              | 284.82                  | 299.71           | 302.91           | 314.88            |
| Apparel and other textile products .....         | 36.7                 | 37.0 | 37.0 | 37.0              | 5.84                    | 5.94             | 6.12             | 6.36              | 214.33                  | 219.78           | 226.44           | 235.32            |
| Paper and allied products .....                  | 43.2                 | 43.4 | 43.2 | 43.3              | 11.18                   | 11.43            | 11.65            | 11.92             | 482.98                  | 496.06           | 503.28           | 516.14            |
| Printing and publishing .....                    | 38.0                 | 38.0 | 38.0 | 37.8              | 9.99                    | 10.28            | 10.52            | 10.87             | 379.62                  | 390.64           | 399.76           | 410.89            |
| Chemicals and allied products .....              | 41.9                 | 42.3 | 42.3 | 42.4              | 11.98                   | 12.37            | 12.67            | 13.06             | 501.96                  | 523.25           | 535.94           | 553.74            |
| Petroleum and coal products .....                | 43.8                 | 44.0 | 44.4 | 44.0              | 14.19                   | 14.58            | 14.98            | 15.43             | 621.52                  | 641.52           | 665.11           | 678.92            |
| Rubber and misc. plastics products .....         | 41.3                 | 41.6 | 41.7 | 41.5              | 8.73                    | 8.92             | 9.14             | 9.42              | 360.55                  | 371.07           | 381.14           | 390.93            |
| Leather and leather products .....               | 36.9                 | 38.2 | 37.5 | 37.9              | 5.92                    | 6.08             | 6.27             | 6.57              | 218.45                  | 232.26           | 235.13           | 249.00            |
| <b>Transportation and public utilities</b> ..... | 39.2                 | 39.2 | 39.3 | 39.4              | 11.70                   | 12.03            | 12.32            | 12.57             | 458.64                  | 471.58           | 484.18           | 495.26            |
| <b>Wholesale trade</b> .....                     | 38.3                 | 38.1 | 38.1 | 38.1              | 9.35                    | 9.60             | 9.94             | 10.37             | 358.11                  | 365.76           | 378.71           | 395.10            |
| <b>Retail trade</b> .....                        | 29.2                 | 29.2 | 29.1 | 28.9              | 6.03                    | 6.12             | 6.31             | 6.54              | 176.08                  | 178.70           | 183.62           | 189.01            |
| <b>Finance, insurance, and real estate</b> ..... | 36.4                 | 36.3 | 35.9 | 35.9              | 8.36                    | 8.73             | 9.09             | 9.57              | 304.30                  | 316.90           | 326.33           | 343.56            |
| <b>Services</b> .....                            | 32.5                 | 32.5 | 32.6 | 32.6              | 8.18                    | 8.49             | 8.91             | 9.40              | 265.85                  | 275.93           | 290.47           | 306.44            |

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

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.



# 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 729 areas in 1,973 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 currently based on payroll reports from a sample of over 300,000 establishments employing over 38 million nonagricultural wage and salary workers. The data relate to all workers, full or part time, who receive 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 the 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 survey 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 worker's sole or primary job. Data from the establishment survey generally refer to average 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 of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

unemployed in the household survey.

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

*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 their impact on differences in the levels and trends 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 sample surveys of manufacturing and business establishments. The major reasons for 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 the 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. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey*, BLS Bulletin 2307.

These monthly surveys of the population are conducted through 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. 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 16 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this publication. 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 2,600 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 and 5 percent. In addition to the 60,000 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one 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 had made specific efforts to find employment some time during the prior 4 weeks. Persons who were waiting to be recalled to a job from which they had been laid off or were waiting to report to a new job within 30 days need not be looking for work to be classified as unemployed.

*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, Hispanic 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 birth 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.

Persons who worked 35 hours or more during 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 noneconomic 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. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or 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.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-

worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

Employed persons are also categorized into full- and part-time groupings based primarily on their *usual status*. In this context, *full-time workers* are those who (a) worked 35 hours or more during the survey week, (b) worked 1 to 34 hours for economic or noneconomic reasons, but usually work full time, and (c) were with a job but not at work and usually work full time. Similarly, *part-time workers* are those who (a) voluntarily worked 1 to 34 hours during the survey week, (b) worked 1 to 34 hours for economic reasons, but usually work part time, i.e., persons who could only find part-time work; and (c) were with a job but not at work and usually work part time.

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full- and part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of persons on full-time schedules; all persons involuntarily working part time regardless of their usual status; 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. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

*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-5 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.

*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 non-institutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

*Usual weekly earnings* data are provided from responses to the question "How much does...USUALLY 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 (excluding the incorporated self-employed) who usually work full time on their sole or primary job.

*Median earnings* indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

*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 birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The

count of families used in this publication excludes unrelated subfamilies such as 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.

*Poverty areas* are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the 1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. 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 Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1983. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; and (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

## 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 existed 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 "Revisions in the Current Population Survey 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 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 were 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 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 were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite

estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

Beginning in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal foreign-born residents for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of this publication.

### **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 system 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 a much less 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. In October 1978, a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mo-

mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. 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.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.) A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

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 by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State have the same probability of selection. These estimates are then adjusted for noninterviews, 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 respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within



**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             | 1330                   | 33,500              | 1,500           | 6,000                               |
| Jan. 1960 to Feb. 1963            | 2333                   | 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              | 2,800           | 12,000                              |
| May 1981 to Dec. 1984             | 629                    | 57,800              | 2,500           | 11,000                              |
| Jan. 1985 to Mar. 1988            | 729                    | 57,000              | 2,500           | 11,000                              |
| Apr. 1988 to Mar. 1989            | 729                    | 53,200              | 2,600           | 11,500                              |
| Nov. 1989 to present <sup>3</sup> | 729                    | 57,400              | 2,600           | 11,800                              |

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

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

<sup>3</sup> The sample was increased incrementally during the 8-month period, April-November 1989.

each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "balance of the MSA". Residence categories of non-MSA areas are "urban" and "rural". The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, 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 729 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 adjustment is made at the State level for each of the 43 States which contain nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

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 three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for eight age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each; the other races category has 6 age-sex cells. 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-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 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 using the two most recent July 1 estimates, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 957 of that series. A description of the age estimates methodology is available in Report 1010 of that series.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths

and emigrants to yield an estimate of the Hispanic population by age and sex.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls was reintroduced into the CPS estimation procedure. With the "inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then deflated to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important since the exact amount of undercount in the 1980 census remains unknown.

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.

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the postcensal population estimates since 1980. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level 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 represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program*,

January 1961 Through December 1966, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in "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 6 percent. It is known that the CPS undercoverage varies with age, sex, race, and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics, and other races combined than for whites. Ratio estimation to independent age-sex-race-Hispanic origin 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-Hispanic origin 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 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 are 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 are 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 table 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 non-consecutive 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

**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                  | 275                | 212   |
| Employed                              | 293                | 224   |
| Unemployed                            | 136                | 140   |
| Men, 20 years and over:               |                    |   |
| Civilian labor force                  | 173                | 151   |
| Employed                              | 186                | 163   |
| Unemployed                            | 93                 | 95  |
| Women, 20 years and over:             |                    |   |
| Civilian labor force                  | 211                | 155   |
| Employed                              | 212                | 160   |
| Unemployed                            | 83                 | 87  |
| Both sexes, 16 to 19 years:           |                    |   |
| Civilian labor force                  | 88                 | 94  |
| Employed                              | 92                 | 102   |
| Unemployed                            | 59                 | 66  |
| Black, 16 years and over:             |                    |   |
| Civilian labor force                  | 94                 | 73  |
| Employed                              | 104                | 79  |
| Unemployed                            | 68                 | 71  |
| Men, 20 years and over:               |                    |   |
| Civilian labor force                  | 59                 | 51  |
| Employed                              | 64                 | 57  |
| Unemployed                            | 44                 | 47  |
| Women, 20 years and over:             |                    |   |
| Civilian labor force                  | 76                 | 50  |
| Employed                              | 76                 | 54  |
| Unemployed                            | 45                 | 48  |
| Both sexes, 16 to 19 years:           |                    |   |
| Civilian labor force                  | 36                 | 40  |
| Employed                              | 33                 | 38  |
| Unemployed                            | 30                 | 33  |

errors for quarterly estimates 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 174,000. The 68-percent confidence interval as shown by these data is from 11,826,000 to 12,174,000. 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 129,000.

*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

**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)                     | 0.11               | 0.12                     |  |                    |                          |
| Men, 20 years and over                           | .15                | .15                      |  |                    |                          |
| Women, 20 years and over                         | .16                | .17                      |  |                    |                          |
| Both sexes, 16 to 19 years                       | .67                | .81                      |  |                    |                          |
| White workers                                    | .11                | .12                      |  |                    |                          |
| Black workers                                    | .51                | .54                      |  |                    |                          |
| Married men, spouse present                      | .15                | .17                      |  |                    |                          |
| Married women, spouse present                    | .19                | .21                      |  |                    |                          |
| Full-time workers                                | .12                | .12                      |  |                    |                          |
| Part-time workers                                | .34                | .42                      |  |                    |                          |
| Unemployed 15 weeks and over                     | .06                | .07                      |  |                    |                          |
|  |                    |                          | <b>Occupation—Continued</b>                          |                    |                          |
|  |                    |                          | Precision production, craft, and repair              | 0.32               | 0.36                     |
|  |                    |                          | Machine operators, assemblers, and inspectors        | .49                | .55                      |
|  |                    |                          | Transportation and material moving                   | .59                | .66                      |
|  |                    |                          | Handlers, equipment cleaners, helpers, and laborers  | .72                | .82                      |
|  |                    |                          | Farming, forestry, and fishing                       | .68                | .76                      |
|  |                    |                          | <b>Industry</b>                                      |                    |                          |
|  |                    |                          | Nonagricultural private wage and salary workers      | .12                | .13                      |
|  |                    |                          | Mining   | 1.63               | 1.86                     |
|  |                    |                          | Construction   | .65                | .75                      |
|  |                    |                          | Manufacturing  | .26                | .29                      |
|  |                    |                          | Durable goods  | .33                | .37                      |
|  |                    |                          | Nondurable goods                                     | .42                | .47                      |
|  |                    |                          | Transportation, communications, and public utilities | .42                | .48                      |
|  |                    |                          | Wholesale and retail trade                           | .27                | .30                      |
|  |                    |                          | Finance and services                                 | .20                | .22                      |
|  |                    |                          | Government workers                                   | .23                | .25                      |
|  |                    |                          | Agricultural wage and salary workers                 | 1.16               | 1.32                     |
| <b>Occupation</b>                                |                    |                          |  |                    |                          |
| Executive, administrative, and managerial        | .22                | .24                      |  |                    |                          |
| Professional specialty                           | .19                | .21                      |  |                    |                          |
| Technicians and related support                  | .47                | .52                      |  |                    |                          |
| Sales  | .29                | .33                      |  |                    |                          |
| Administrative support, including clerical       | .23                | .26                      |  |                    |                          |
| Private household                                | 1.18               | 1.33                     |  |                    |                          |
| Protective service                               | .76                | .85                      |  |                    |                          |
| Service, except private household and protective | .39                | .43                      |  |                    |                          |

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 percentage 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 in different categories, use the factor indicated by the numerator of the percentage.

*Illustration.* Assume that in a given month 2.9 percent of a total of 112,440,000 employed persons are employed in agriculture. The standard error on an estimate of 2.9 percent with a base of 112,440,000 is obtained from table H (0.08 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 2.9 percent is then approximately  $0.08 \times 1.26 = 0.10$  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 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that

**Table D. Standard errors for estimates of monthly level**

(in thousands)

| Estimated monthly level | Characteristic <sup>1</sup> |                |       |  |       |                                |                       |  |                               |
|-------------------------|-----------------------------|----------------|-------|--|-------|--------------------------------|-----------------------|--|-------------------------------|
|                         | Agricultural employment     | Unemployment   |       | Labor force data other than agricultural employment and unemployment |       |                                |                       |  |                               |
|                         |                             | Total or white | Black | 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 |
| 50                      | 15                          | 11             | 12    | 12   | 12    | 12                             | 12                    | 11                                     | 10                            |
| 100                     | 21                          | 16             | 17    | 17   | 17    | 17                             | 16                    | 15                                     | 14                            |
| 500                     | 47                          | 36             | 38    | 37   | 37    | 36                             | 32                    | 34                                     | 31                            |
| 1,000                   | 66                          | 51             | 53    | 52   | 51    | 50                             | 35                    | 49                                     | 43                            |
| 2,000                   | 93                          | 72             | 73    | 74   | 70    | 68                             | -                     | 68                                     | 58                            |
| 4,000                   | 131                         | 101            | 97    | 104  | 92    | 86                             | -                     | 95                                     | 73                            |
| 6,000                   | 159                         | 123            | 110   | 126  | 104   | 92                             | -                     | 115                                    | 76                            |
| 8,000                   | 182                         | 141            | 116   | 145  | 109   | 88                             | -                     | 132                                    | 69                            |
| 10,000                  | 202                         | 156            | -     | 161  | 108   | 72                             | -                     | 145                                    | 47                            |
| 15,000                  | -                           | 188            | -     | 193  | 74    | -                              | -                     | 172                                    | -                             |
| 20,000                  | -                           | 213            | -     | 219  | -     | -                              | -                     | 191                                    | -                             |
| 30,000                  | -                           | -              | -     | 259  | -     | -                              | -                     | 215                                    | -                             |
| 40,000                  | -                           | -              | -     | 286  | -     | -                              | -                     | 225                                    | -                             |
| 50,000                  | -                           | -              | -     | 306  | -     | -                              | -                     | 222                                    | -                             |
| 60,000                  | -                           | -              | -     | 319  | -     | -                              | -                     | 206                                    | -                             |
| 70,000                  | -                           | -              | -     | 326  | -     | -                              | -                     | 172                                    | -                             |
| 80,000                  | -                           | -              | -     | 327  | -     | -                              | -                     | 107                                    | -                             |
| 100,000                 | -                           | -              | -     | 314  | -     | -                              | -                     | -                                      | -                             |
| 120,000                 | -                           | -              | -     | 274  | -     | -                              | -                     | -                                      | -                             |
| 140,000                 | -                           | -              | -     | 195  | -     | -                              | -                     | -                                      | -                             |

<sup>1</sup> 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

of 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 <sup>1</sup> |  |       |                       |  |       |                                |                       |
|-------------------------|-----------------------------|--|-------|-----------------------|--|-------|--------------------------------|-----------------------|
|                         | Unemployment                |  |       |                       | Labor force data other than unemployment and agricultural employment |       |                                |                       |
|                         | Total or white              | Both sexes 16 to 19 years, or part-time labor force <sup>2</sup> | Black | Black, 16 to 19 years | Total or white   | Black | Total or white, 16 to 19 years | Black, 16 to 19 years |
| 50                      | 13                          | 14   | 13    | 14                    | 9  | 9     | 14                             | 14                    |
| 100                     | 18                          | 20   | 19    | 20                    | 12   | 12    | 20                             | 19                    |
| 500                     | 40                          | 45   | 41    | 38                    | 27   | 27    | 43                             | 37                    |
| 1,000                   | 56                          | 63   | 57    | 41                    | 39   | 38    | 59                             | 39                    |
| 2,000                   | 78                          | 89   | 76    | -                     | 55   | 52    | 80                             | -                     |
| 4,000                   | 108                         | 124  | 95    | -                     | 77   | 68    | 100                            | -                     |
| 6,000                   | 129                         | 150  | 99    | -                     | 93   | 78    | 104                            | -                     |
| 8,000                   | 144                         | -  | 89    | -                     | 107  | 82    | 94                             | -                     |
| 10,000                  | 157                         | -  | 58    | -                     | 119  | 81    | 65                             | -                     |
| 15,000                  | 177                         | -  | -     | -                     | 143  | 59    | -                              | -                     |
| 20,000                  | 184                         | -  | -     | -                     | 163  | -     | -                              | -                     |
| 30,000                  | -                           | -  | -     | -                     | 192  | -     | -                              | -                     |
| 40,000                  | -                           | -  | -     | -                     | 213  | -     | -                              | -                     |
| 50,000                  | -                           | -  | -     | -                     | 228  | -     | -                              | -                     |
| 60,000                  | -                           | -  | -     | -                     | 238  | -     | -                              | -                     |
| 70,000                  | -                           | -  | -     | -                     | 244  | -     | -                              | -                     |
| 80,000                  | -                           | -  | -     | -                     | 245  | -     | -                              | -                     |
| 100,000                 | -                           | -  | -     | -                     | 237  | -     | -                              | -                     |
| 120,000                 | -                           | -  | -     | -                     | 212  | -     | -                              | -                     |
| 140,000                 | -                           | -  | -     | -                     | 160  | -     | -                              | -                     |

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

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

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

a year prior to this the unemployment rate was 7.0 percent, based on a total of 117,834,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.6 percent with a base of 118,850,000, is obtained from table F (0.11 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 0.11 x 1.40 = 0.15 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:

Standard error of year-to-year change =

$$\sqrt{\left(\frac{\text{Standard error}}{x}\right)^2 + \left(\frac{\text{Standard error}}{y}\right)^2 - 2(P) \left(\frac{\text{Standard error}}{x}\right) \left(\frac{\text{Standard error}}{y}\right)}$$

X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the corre-

lation 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 0.30 for persons (total, white, and black) and 0.35 for families (total, white, and black). The respective values for estimates of Hispanics are 0.45 and 0.55.

*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:

$$(216,000)^2 + (221,000)^2 - 2(.30) (216,000) (221,000),$$

or about 259,000.

**Table F. Standard errors for unemployment rates**

| Monthly base of unemployment rate<br>(in thousands) | Monthly unemployment rate (percent) |      |      |      |      |      |      |       |       |       |
|---|-------------------------------------|------|------|------|------|------|------|-------|-------|-------|
|   | 1                                   | 2    | 5    | 10   | 15   | 20   | 25   | 30    | 35    | 50    |
| 50  | 2.28                                | 3.20 | 4.98 | 6.85 | 8.13 | 9.09 | 9.82 | 10.36 | 10.75 | 11.12 |
| 100   | 1.61                                | 2.26 | 3.52 | 4.84 | 5.75 | 6.43 | 6.94 | 7.33  | 7.60  | 7.87  |
| 500   | .72                                 | 1.01 | 1.58 | 2.16 | 2.57 | 2.88 | 3.11 | 3.28  | 3.40  | 3.52  |
| 1,000   | .51                                 | .72  | 1.11 | 1.53 | 1.82 | 2.03 | 2.20 | 2.32  | 2.40  | 2.49  |
| 2,000   | .36                                 | .51  | .79  | 1.08 | 1.29 | 1.44 | 1.55 | 1.64  | 1.70  | 1.76  |
| 4,000   | .25                                 | .36  | .56  | .77  | .91  | 1.02 | 1.10 | 1.16  | 1.20  | 1.24  |
| 6,000   | .21                                 | .29  | .45  | .62  | .74  | .83  | .90  | .95   | .98   | 1.02  |
| 10,000  | .16                                 | .23  | .35  | .48  | .58  | .64  | .69  | .73   | .76   | .79   |
| 20,000  | .11                                 | .16  | .25  | .34  | .41  | .45  | .49  | .52   | .54   | .56   |
| 60,000  | .07                                 | .09  | .14  | .20  | .24  | .26  | .28  | .30   | .31   | .32   |
| 100,000   | .05                                 | .07  | .11  | .15  | .18  | .20  | .22  | .23   | .24   | .25   |
| 120,000   | .05                                 | .07  | .10  | .14  | .17  | .19  | .20  | .21   | .22   | .23   |
| 140,000   | .04                                 | .06  | .09  | .13  | .15  | .17  | .19  | .20   | .21   | .21   |

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

| Monthly base of unemployment rate<br>(in thousands) | Monthly unemployment rate (percent) |      |      |      |      |       |       |       |       |       |
|---|-------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|
|   | 1                                   | 2    | 5    | 10   | 15   | 20    | 25    | 30    | 35    | 50    |
| 50  | 2.53                                | 3.57 | 5.60 | 7.83 | 9.47 | 10.79 | 11.91 | 12.87 | 13.71 | 15.67 |
| 100   | 1.79                                | 2.52 | 3.96 | 5.53 | 6.69 | 7.63  | 8.42  | 9.10  | 9.69  | 11.08 |
| 500   | .80                                 | 1.13 | 1.77 | 2.47 | 2.99 | 3.41  | 3.76  | 4.06  | 4.33  | 4.94  |
| 1,000   | .57                                 | .80  | 1.25 | 1.75 | 2.11 | 2.41  | 2.65  | 2.87  | 3.05  | 3.48  |
| 2,000   | .40                                 | .56  | .88  | 1.23 | 1.49 | 1.70  | 1.87  | 2.02  | 2.15  | 2.44  |
| 4,000   | .28                                 | .40  | .63  | .87  | 1.05 | 1.20  | 1.32  | 1.42  | 1.51  | 1.70  |
| 6,000   | .23                                 | .33  | .51  | .71  | .86  | .97   | 1.07  | 1.15  | 1.22  | 1.37  |
| 10,000  | .18                                 | .25  | .39  | .55  | .66  | .75   | .82   | .88   | .93   | 1.03  |
| 20,000  | .13                                 | .18  | .28  | .38  | .46  | .51   | .56   | .60   | .62   | -     |
| 60,000  | .07                                 | .10  | .16  | .21  | .24  | .27   | .28   | -     | -     | -     |
| 100,000   | .06                                 | .08  | .12  | .15  | .17  | .18   | -     | -     | -     | -     |
| 120,000   | .05                                 | .07  | .11  | .14  | .15  | -     | -     | -     | -     | -     |
| 140,000   | .05                                 | .07  | .10  | -    | -    | -     | -     | -     | -     | -     |

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

| Monthly base of percentages<br>(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  | 2.34                        | 3.29    | 5.12    | 7.05     | 8.39     | 9.40     | 10.18    | 10.77    | 11.21    | 11.75 |
| 100   | 1.65                        | 2.33    | 3.62    | 4.99     | 5.94     | 6.65     | 7.20     | 7.62     | 7.93     | 8.31  |
| 500   | .74                         | 1.04    | 1.62    | 2.23     | 2.65     | 2.97     | 3.22     | 3.41     | 3.55     | 3.72  |
| 1,000   | .52                         | .74     | 1.15    | 1.58     | 1.88     | 2.10     | 2.28     | 2.41     | 2.51     | 2.63  |
| 2,000   | .37                         | .52     | .81     | 1.12     | 1.33     | 1.49     | 1.61     | 1.70     | 1.77     | 1.86  |
| 4,000   | .26                         | .37     | .57     | .79      | .94      | 1.05     | 1.14     | 1.20     | 1.25     | 1.31  |
| 6,000   | .21                         | .30     | .47     | .64      | .77      | .86      | .93      | .98      | 1.02     | 1.07  |
| 10,000  | .17                         | .23     | .36     | .50      | .59      | .66      | .72      | .76      | .79      | .83   |
| 20,000  | .12                         | .16     | .26     | .35      | .42      | .47      | .51      | .54      | .56      | .59   |
| 40,000  | .08                         | .12     | .18     | .25      | .30      | .33      | .36      | .38      | .40      | .42   |
| 60,000  | .07                         | .10     | .15     | .20      | .24      | .27      | .29      | .31      | .32      | .34   |
| 80,000  | .06                         | .08     | .13     | .18      | .21      | .24      | .25      | .27      | .28      | .29   |
| 100,000                                       | .05                         | .07     | .11     | .16      | .19      | .21      | .23      | .24      | .25      | .26   |
| 120,000                                       | .05                         | .07     | .10     | .14      | .17      | .19      | .21      | .22      | .23      | .24   |
| 140,000                                       | .04                         | .06     | .10     | .13      | .16      | .18      | .19      | .20      | .21      | .22   |
| 160,000                                       | .04                         | .06     | .09     | .12      | .15      | .17      | .18      | .19      | .20      | .21   |

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: |               |                       | Total or white:  |               |                       |
| Total .....   | 1.00          | .74                   | Total .....  | .97           | 1.08                  |
| Men only .....  | .93           | .84                   | Both sexes, 16 to 19 years .....   | .97           | 1.21                  |
| Women only .....  | .86           | .75                   | Black:   |               |                       |
| Both sexes, 16 to 19 years .....                                      | 1.00          | 1.18                  | 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                | .80                          | .58             | .70                       |
| Part time .....   | 1.40                                    | .74                | .80                          | .46             | .70                       |
| Labor force data other than agricultural employment and unemployment: |   |                    |                              |                 |                           |
| Total or white .....  | 1.30                                    | .88                | .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 levels, 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                                     | 56    |
| 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   | 64    | 127                                    | 88    |
| 10,000 .....              | 149               | 165                        | 102   | 144               | 157                        | 155   | -     | 145                                    | -     |
| 15,000 .....              | 180               | 198                        | 102   | 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                        | -     | 233               | 201                        | 174   | -     | 242                                    | -     |
| 50,000 .....              | 296               | 301                        | -     | -                 | 160                        | 100   | -     | 249                                    | -     |
| 75,000 .....              | 331               | 304                        | -     | -                 | 160                        | -     | -     | -                                      | -     |
| 100,000 .....             | 343               | 255                        | -     | -                 | -                          | -     | -     | -                                      | -     |

# Establishment Data (Tables B-1 through C-8)

## COLLECTION

Payroll reports provide current information on wage and salary employment and hours and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment, Hours, and Earnings, States and Areas, 1939-82* and their supplements.

### 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. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency also are 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.

*Indexes of diffusion of employment change (table B-7).* These indexes measure the dispersion among industries of the change in employment over the specified time span. The overall indexes are calculated from 349 seasonally adjusted employment series (three-digit industries) covering all nonagricultural payroll employment in the private sector. The manufacturing diffusion indexes are based on 141 three-digit industries.

To derive the indexes, each component industry is assigned a value of 0, 50, or 100 percent, depending on whether its employment showed a decrease, no change, or an increase, respectively, over the time span. The average value (mean) is then calculated, and this percent is the diffusion index number.

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries had increased as had decreased. Index numbers above 50 show that more industries had increasing employment, and

values below 50 indicate that more had decreasing employment. The margin between the percent that increased and the percent that decreased is equal to the difference between the index and its complement, i.e., 100 minus the index. For example, an index of 65 percent means that 30 percent more industries had increasing employment than had decreasing employment ( $65 - (100 - 65) = 30$ ). However, for dispersion analysis, the distance of the index number from the 50-percent reference point is the most significant observation.

Although diffusion indexes are commonly interpreted as showing the percent of components that increased over the time span, it should be remembered that the index reflects half of the unchanged components as well. (This is the effect of assigning a value of 50 percent to the unchanged components when computing the index.)

### 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, inspecting, receiving, storing, 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 operations:

*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, vacation, 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* cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which included 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.

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

*Indexes of aggregate weekly hours.* The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

*Average overtime hours.* The overtime hours represent that portion of the 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, 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 work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours.

*Average hourly 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 production worker, construction worker, or nonsuper-visory employee definitions.

*Average hourly earnings, including lump-sum wage payments.* These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 and SIC 3761 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

*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. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

*Railroad 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. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

*Average weekly earnings.* These estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as the 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-time trends of 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.

*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).

## 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, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

### Size and regional stratification

A number of industries are stratified by size of establish-

ment and/or by region, and the stratified production or non-supervisory worker data are used to weight the hours and earnings for aggregation 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

benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1988 levels. Normally, benchmark adjustments are made annually.

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

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

| Employment, hours, and earnings  | Basic estimating cell (industry, region, size, or region/size cell)  | Aggregate industry level (division and, where stratified, industry)   |
|--|--|---|
| 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. <sup>1</sup>                        | Sum of all-employee estimates for component cells.  |
| Production or nonsupervisory workers, women employees . . . . .                    | All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup> | Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.                     |
| Average weekly hours . . . . .   | Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>  | Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.           |
| Average weekly overtime hours . . . . .  | Production worker overtime hours divided by number of production workers. <sup>2</sup>   | Average, weighted by production worker employment, of the average weekly overtime hours for component cells.                    |
| Average hourly earnings . . . . .  | Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. <sup>2</sup>   | Average, weighted by aggregate hours, of the average hourly earnings for component cells.                                       |
| Average weekly earnings . . . . .  | Product of average weekly hours and average hourly earnings.   | Product of 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.   |
| 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.          |
| Average hourly earnings . . . . .  | Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.  | Annual total of aggregate payrolls divided by annual aggregate hours.   |
| Average weekly earnings . . . . .  | Product of average weekly hours and average hourly earnings.   | Product of average weekly hours and average hourly earnings.  |

<sup>1</sup> The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by

a wedging technique designed to 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.

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 1988 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 establishment survey 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 larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclu-

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1988**

(In thousands)

| Industry                                  | Benchmark | Estimate | Percent difference |
|---|-----------|----------|--------------------|
| Total .....                               | 103,835   | 104,161  | -0.3               |
| Mining .....                              | 711       | 723      | -1.7               |
| Construction .....                        | 4,686     | 4,787    | -2.2               |
| Manufacturing .....                       | 19,171    | 19,302   | -.7                |
| Transportation and public utilities ..... | 5,437     | 5,473    | -.7                |
| Wholesale trade .....                     | 5,926     | 6,016    | -1.5               |
| Retail trade .....                        | 18,551    | 18,612   | -.3                |
| Finance, insurance, and real estate ..... | 6,594     | 6,599    | -.1                |
| Services .....                            | 25,103    | 24,978   | .5                 |
| Government .....                          | 17,656    | 17,671   | -.1                |

sion 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 establishment survey 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 latest benchmarks and the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

**Table N. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1988**

| Industry                                  | Bench-<br>marks<br>(thou-<br>sands) | Sample coverage <sup>1</sup>          |                               |                          |
|---|-------------------------------------|---------------------------------------|-------------------------------|--------------------------|
|   |                                     | Number of<br>estab-<br>lish-<br>ments | Employees<br>(thou-<br>sands) | Percent of<br>benchmarks |
| Total .....                               | 103,835                             | 262,856                               | 38,922                        | 37                       |
| Mining .....                              | 711                                 | 3,361                                 | 276                           | 39                       |
| Construction .....                        | 4,686                               | 24,924                                | 917                           | 20                       |
| Manufacturing .....                       | 19,171                              | 49,889                                | 9,483                         | 49                       |
| Transportation and public utilities ..... | 5,437                               | 214,091                               | 22,482                        | 46                       |
| Wholesale trade .....                     | 5,926                               | 22,810                                | 1,062                         | 18                       |
| Retail trade .....                        | 18,551                              | 49,015                                | 3,704                         | 20                       |
| Finance, insurance, and real estate ..... | 6,594                               | 19,711                                | 2,126                         | 32                       |
| Services .....                            | 25,103                              | 58,713                                | 5,795                         | 23                       |
| Government:                               |                                     |                                       |                               |                          |
| Federal .....                             | 2,964                               | ( <sup>3</sup> )                      | 2,964                         | 100                      |
| State .....                               | 4,151                               | 4,883                                 | 3,406                         | 82                       |
| Local .....                               | 10,541                              | 15,459                                | 6,707                         | 64                       |

<sup>1</sup> Counts reflect reports used in final estimates. Since not all establishments report payroll and hours information, hours and earnings estimates are based on a smaller sample than employment estimates.

<sup>2</sup> The Interstate Commerce Commission provides a complete count of employment for Class I railroads.

<sup>3</sup> Total Federal employment counts for use in national estimates 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 56 percent of employment in Federal establishments.

## Reliability

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 accumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table 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

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

(In percent)

| Industry                                  | Average benchmark revision in estimates of employment <sup>1</sup> | Relative error <sup>2</sup> |                         |
|---|--|-----------------------------|-------------------------|
|   |  | Average weekly hours        | Average hourly earnings |
| Total .....                               | 0.2  | —                           | —                       |
| Total private .....                       | .3   | 0.1                         | 0.2                     |
| Mining .....                              | 2.2  | 1.0                         | 1.3                     |
| Construction .....                        | 1.8  | .2                          | .5                      |
| Manufacturing .....                       | .7   | .1                          | .2                      |
| Durable goods .....                       | .7   | .1                          | .3                      |
| Nondurable goods .....                    | .9   | .1                          | .2                      |
| Transportation and public utilities ..... | .4   | .7                          | .6                      |
| Wholesale trade .....                     | 1.0  | .2                          | .4                      |
| Retail trade .....                        | .7   | .2                          | .4                      |
| Finance, insurance, and real estate ..... | .3   | .2                          | .4                      |
| Services .....                            | .3   | .4                          | .6                      |
| Government <sup>3</sup> .....             | .3   | —                           | —                       |

<sup>1</sup> The average percent revision in employment for the 1984-88 benchmarks.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> Estimates for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

relative errors of the estimate. (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-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.

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.

**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 <sup>1</sup> | Relative error <sup>2</sup> (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                      |

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

<sup>2</sup> Relative errors relate to 1982 data.

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.

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

| Industry                                      | Root-mean-square error of— |                       | Industry                                      | Root-mean-square error of— |                       |
|---|----------------------------|-----------------------|---|----------------------------|-----------------------|
|   | Monthly level              | Month-to-month change |   | Monthly level              | Month-to-month change |
| Total .....                                   | 88,900                     | 89,500                | Nondurable goods—Continued                    |                            |                       |
| Total private .....                           | 61,300                     | 58,900                | Chemicals and allied products ..              | 2,600                      | 2,800                 |
| Goods-producing industries .....              | 21,200                     | 19,800                | Petroleum and coal products ..                | 1,200                      | 1,200                 |
| Mining .....                                  | 4,400                      | 4,200                 | Rubber and misc. plastics products ..         | 1,600                      | 1,600                 |
| Oil and gas extraction .....                  | 3,800                      | 3,300                 | Leather and leather products ..               | 1,700                      | 1,600                 |
| Construction .....                            | 14,400                     | 15,100                | Service-producing industries .....            | 85,400                     | 85,700                |
| General building contractors .....            | 4,900                      | 5,100                 | Transportation and public utilities ..        | 14,600                     | 13,000                |
| Manufacturing .....                           | 18,200                     | 18,300                | Transportation .....                          | 16,600                     | 16,000                |
| Durable goods .....                           | 13,700                     | 12,300                | Communication and public utilities ..         | 6,500                      | 6,100                 |
| Lumber and wood products .....                | 2,200                      | 2,000                 | Wholesale trade .....                         | 8,700                      | 7,700                 |
| Furniture and fixtures .....                  | 1,700                      | 1,600                 | Durable goods .....                           | 5,800                      | 5,300                 |
| Stone, clay, and glass products ..            | 1,600                      | 1,500                 | Nondurable goods .....                        | 5,000                      | 4,400                 |
| Primary metal industries .....                | 4,300                      | 4,300                 | Retail trade .....                            | 38,600                     | 34,400                |
| Blast furnaces and basic steel products ..... | 3,300                      | 3,100                 | General merchandise stores .....              | 22,800                     | 20,400                |
| Fabricated metal products .....               | 2,400                      | 2,200                 | Food stores .....                             | 6,800                      | 6,000                 |
| Machinery, except electrical .....            | 5,700                      | 6,800                 | Automotive dealers and service stations ..... | 4,200                      | 5,100                 |
| Electrical and electronic equipment ..        | 4,900                      | 4,900                 | Eating and drinking places .....              | 10,100                     | 9,500                 |
| Transportation equipment .....                | 7,700                      | 7,000                 | Finance, insurance, and real estate ..        | 8,700                      | 7,600                 |
| Motor vehicles and equipment ..               | 6,500                      | 6,600                 | Finance .....                                 | 4,100                      | 3,900                 |
| Instruments and related products ..           | 2,100                      | 2,200                 | Insurance .....                               | 3,700                      | 3,100                 |
| Miscellaneous manufacturing .....             | 1,800                      | 1,800                 | Real estate .....                             | 5,000                      | 4,000                 |
| Nondurable goods .....                        | 8,500                      | 8,400                 | Services .....                                | 36,600                     | 34,900                |
| Food and kindred products .....               | 5,600                      | 5,600                 | Business services .....                       | 11,700                     | 10,700                |
| Tobacco manufactures .....                    | 1,500                      | 1,400                 | Health services .....                         | 10,200                     | 10,000                |
| Textile mill products .....                   | 1,800                      | 1,700                 | Government .....                              | 59,700                     | 53,500                |
| Apparel and other textile products .....      | 4,500                      | 4,000                 | Federal .....                                 | 15,900                     | 11,300                |
| Paper and allied products .....               | 1,600                      | 1,400                 | State .....                                   | 22,000                     | 20,000                |
| Printing and publishing .....                 | 2,100                      | 2,000                 | Local .....                                   | 34,600                     | 34,500                |

NOTE: Data are based on differences from December 1983 through December 1988.



## Productivity Data (Tables C-9 through C-11)

### COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment and household survey labor input data and from measures of compensation and output supplied by the U.S. Department of Commerce and the Federal Reserve Board.

### CONCEPTS

*Hours* of wage and salary workers in nonagricultural establishments (table C-9) refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers. For productivity and cost measures (tables C-10, 11), hours of all persons include hours of employees, proprietors, and unpaid family workers. Labor input is measured by hours at the work site.

*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 (productivity) measure changes in the volume of goods and services produced per hour at work.

*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 by the Consumer Price Index for All Urban Consumers (CPI-U).

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

*Unit nonlabor payments* include profits, capital consump-

tion allowances, interest, rental income of persons, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross product originating in the sector 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 and capital consumption 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 general government, households and institutions, owner-occupied housing, and the statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business. All measures are seasonally adjusted.

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. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202-523-9261).

## State and Area Labor Force 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 for determining eligibility of an area for benefits under Federal programs such as the Job Training and Partnership Act, the Economic Dislocation and Worker Adjustment Assistance Act, and the Urban Development Action Grant program.

Annual average data for the States and areas shown in table

D are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

Labor force 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, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

## ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 2,600 labor market areas. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. A more detailed description of the estimation procedure is contained in the BLS document, "Manual for Developing Local Area Unemployment Statistics."

### Estimates for States

*Current monthly estimates.* The civilian labor force and unemployment estimates for the 11 largest States—California, Florida, Illinois, Massachusetts, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, and Texas—are sufficiently reliable to be taken directly from the Current Population Survey (CPS) on a monthly basis. These are termed "direct-use States." For a description of the CPS concepts, see "Household Data," above.

For the 39 smaller States and the District of Columbia, which do not use the CPS directly each month, regression models (sets of equations) are used to develop employment and unemployment estimates. These, then, are the "non-direct-use" States. The regression techniques are based on historical and current relationships found within each State's economy as reflected in the different sources of data that are available for each State—the CPS, the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. When the estimation procedures were introduced in 1989, over 10 years of data were used to develop the equations for each State. While all the State models have important variables in common, they differ somewhat from one another so as to better reflect individual State characteristics.

Two models—one for employment and one for the unemployment rate—are used for each State. The unemployment rate, rather than the unemployment level, is modeled, primarily because the rate is usually more meaningful for economic analysis.

The employment models use the CES estimates of nonfarm wage and salary jobs and also include data for employed persons not covered or only partially covered by the CES survey. Typically, these are agricultural workers, the self-employed, unpaid family workers, and private household workers.

The unemployment rate models also include different types of data. Data for UI claimants (without earnings due to employment) are used to represent most of the experienced unemployed. The models also include an employment-to-population ratio which reflects both the business cycle and the experienced unemployed not covered by the UI claims data. New entrants and reentrants into the labor force are also reflected in the models. For some States, the models include variables which reflect seasonal factors not reflected in the other data used, such as the large increase in the labor force at the end of the school year.

In both the employment and unemployment rate models,

an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The models are termed "variable coefficient models" because they include a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, the unemployment level and labor force estimates are calculated.

*Benchmark correction procedures.* Once each year, monthly estimates for the 39 non-direct-use States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

In the 11 direct-use States, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

### Estimates for sub-State areas

Monthly labor force and employment estimates for two large sub-state areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained directly from the CPS. Estimates for all other sub-state areas, more than 2,600 labor market areas (LMA's), are prepared through indirect estimation techniques, described below.

*Preliminary estimate—employment.* The total civilian employment estimates are based on CES data. These "place-of-work" estimates must be adjusted to refer to place-of-residence as used in the CPS. Factors for adjusting from place-of-work to place-of-residence have been developed for several categories of employment on the basis of employment relationships at the time of the 1980 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES—agriculture, nonagricultural self-employed and unpaid family workers, and private household workers.

*Preliminary estimate—unemployment.* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three categories: (1) persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation.

*Sub-State adjustment for additivity.* Estimates of employment and unemployment are prepared for the State and LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment must be applied to all sub-State LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment.

*Benchmark correction.* At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in claims counts, and updated historical

relationships. The corrected estimates are then readjusted to add to the revised (benchmarked) State estimates of employment and unemployment.

## 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 monthly in *Employment and Earnings*.

Since January 1980, national labor force data have been seasonally adjusted with a procedure called *X-11 ARIMA* (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the 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, January 1983.

At the beginning of each calendar year, projected seasonal adjustment factors are calculated for use during the January–June period. In July of each year, BLS calculates and publishes in *Employment and Earnings* projected seasonal adjustment 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 only 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 a 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, new seasonal adjustment factors to be used to calculate the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

Since the early 1980's, the BLS has also used the X-11 ARIMA procedure to seasonally adjust establishment-based employment, hours, and earnings data. The X-11 ARIMA program has been run once each year after benchmarking and seasonal adjustment factors have been projected and published for 12 months ahead (April–March). Beginning in June 1989, with the introduction of the March 1988 benchmarks, the Bureau introduced a modification to this procedure to parallel that used in seasonally adjusting household survey data. Projected seasonal adjustment factors are now calculated only for the first 6 months after benchmarking. A second set of projected seasonal adjustment factors, for use during the subsequent period, will be computed based upon data through September and introduced with the publication of data for October. Revisions of historical data for the most recent 5 years will continue to be made once a year, coincident with benchmark revisions, and published in a *Supplement to Employment and Earnings*.

All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. 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, and major industry divisions, 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, however, are used in the aggregation to broader level seasonally adjusted series.

Seasonal adjustment factors for Federal Government

employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census takers for the 1980 decennial census, however, are removed prior to the calculation of seasonal adjustment factors.

Revised seasonally adjusted establishment-based series based on the experience through March 1989, new seasonal adjustment factors for April–September, and a description of the current seasonal adjustment procedure appear in the June 1989 issue of *Employment and Earnings*.

BLS has developed an extension of X-11 ARIMA to allow it to adjust more adequately for the effects of the presence or absence of religious holidays in the April survey reference period and of Labor Day in the September reference period. This extension was applied for the first time at the end of 1989 to three persons-at-work labor force series which tested as having significant and well-defined effects in their April data associated with the timing of Easter. This extension will also be used for the seasonal adjustment of many of the establishment-based series on average weekly hours, starting with the computation of the projected factors for the period beginning in April 1990.

**U.S. DEPARTMENT OF LABOR  
Bureau of Labor Statistics**

| Regional Office  | Cooperating State Agencies   |   |
|--|--|---|
|  | Current Employment Statistics (CES) and State and Local Area Unemployment Statistics (LAUS) Programs   |   |
|  | <b>BLS Region</b>  | <b>BLS Region</b>   |
| REGION I—BOSTON<br>Suite 1603<br>John Fitzgerald Kennedy<br>Federal Building<br>Boston, MA 02203<br>Phone: (617) 565-2327      | IV ALABAMA<br>Department of Industrial Relations, Room 427,<br>Industrial Relations Bldg., Montgomery 36130  | VIII MONTANA<br>Department of Labor and Industry, P.O. Box<br>1728, Helena 59624  |
| REGION II—NEW YORK<br>Room 808<br>201 Varick Street<br>New York, NY 10014<br>Phone: (212) 337-2400                             | X ALASKA<br>Department of Labor, Research and Analysis<br>Section, 1111 West 8th St., Juneau 99802-5501  | VII NEBRASKA<br>Department of Labor, P.O. Box 94600, Lincoln<br>68509-4600  |
| REGION III—PHILADELPHIA<br>3535 Market Street<br>P.O. Box 13309<br>Philadelphia, PA 19101<br>Phone: (215) 596-1154             | IX ARIZONA<br>Department of Economic Security, 1300 West<br>Washington St., Phoenix 85005  | IX NEVADA<br>Employment Security Department, 500 East<br>3rd St., Carson City 89713   |
| REGION IV—ATLANTA<br>Suite 540<br>1371 Peachtree Street, NE.<br>Atlanta, GA 30367<br>Phone: (404) 347-4416                     | VI ARKANSAS<br>Department of Labor, Research and Statistics<br>Section, Capitol Mall, Little Rock 72203-2981   | I NEW HAMPSHIRE<br>Department of Employment Security, 32 South<br>Main St., Concord 03301   |
| REGION V—CHICAGO<br>9th Floor<br>230 South Dearborn Street<br>Chicago, IL 60604<br>Phone: (312) 353-1880                       | IX CALIFORNIA<br>Employment Development Department, Employ-<br>ment Data and Research Division, 7000<br>Franklin Blvd., Bldg. 1100, Sacramento 95823               | II NEW JERSEY<br>Department of Labor, Division of Planning and<br>Research, P.O. Box 2765, Trenton 08625  |
| REGION VI—DALLAS<br>Room 221<br>Federal Building<br>525 Griffin Street<br>Dallas, TX 75202<br>Phone: (214) 767-6970            | VIII COLORADO<br>Department of Labor and Employment, Suite<br>801, 1120 Lincoln Street, Denver 80203   | VI NEW MEXICO<br>Employment Security Commission, 401 Broad-<br>way, TIWA Bldg., Albuquerque 87103   |
| REGIONS VII and VIII—<br>KANSAS CITY<br>15th Floor<br>911 Walnut Street<br>Kansas City, MO 64106<br>Phone: (816) 426-2481      | I CONNECTICUT<br>Labor Department, Employment Security<br>Division, 200 Folly Brook Blvd,<br>Wethersfield 06109  | II NEW YORK<br>Department of Labor, Division of Research and<br>Statistics, State Campus, Room 400, Bldg. 12,<br>Albany 12240-0020  |
| REGIONS IX and X—<br>SAN FRANCISCO<br>71 Stevenson Street<br>P.O. Box 3766<br>San Francisco, CA 94119<br>Phone: (415) 744-6600 | III DELAWARE<br>Department of Labor, Office of Occupational<br>and Labor Market Information, P.O. Box 9029,<br>Newark 19714-9029                                   | IV NORTH CAROLINA<br>Employment Security Commission, Labor Market<br>Information Division, P.O. Box 25903,<br>Raleigh 27611   |
|  | III DIST. OF COL.<br>Department of Employment Services, Division<br>of Labor Market Information and Analysis,<br>Room 201, 500 C St., NW., Washington,<br>DC 20001 | VIII NORTH DAKOTA<br>Job Service, P.O. Box 1537, Bismarck 58502   |
|  | V FLORIDA<br>Florida Department of Labor and Employment<br>Security, Bureau of Labor Market Information,<br>Suite 203, 2574 Seagate Dr., Tallahassee<br>32399-0674 | V OHIO<br>Bureau of Employment Services, Labor Market<br>Information Division, 1160 Dublin Rd.,<br>Columbus 43215   |
|  | IV GEORGIA<br>Department of Labor, Labor Information<br>Systems, 148 International Blvd., NE.,<br>Atlanta 30303  | VI OKLAHOMA<br>Employment Security Commission, Research<br>and Planning Division, 2401 North Lincoln,<br>Oklahoma City 73105  |
|  | IX HAWAII<br>Department of Labor and Industrial Relations,<br>Research and Statistics Office, Room 304,<br>830 Punchbowl St., Honolulu 96813                       | X OREGON<br>Employment Division, 875 Union St., NE.,<br>Salem 97311   |
|  | X IDAHO<br>Department of Employment, 317 Main St.,<br>Boise 83735  | III PENNSYLVANIA<br>Department of Labor and Industry, Research<br>and Statistics Division, Room 1216, 7th<br>and Forster Sts., Harrisburg 17121   |
|  | V ILLINOIS<br>Department of Employment Security, (2 South),<br>401 South State St., Chicago 60605  | II PUERTO RICO<br>Department of Labor and Human Resources,<br>Bureau of Labor Statistics, 17th Fl., 505 Munoz<br>Rivera Avenue, Hato Rey 00918 (CES), Bureau<br>of Employment Security, Research and Analysis<br>Section, 15th Fl., 505 Munoz Rivera Avenue,<br>Hato Rey 00918 (LAUS) |
|  | V INDIANA<br>Department of Employment and Training<br>Services, Statistical Services Division,<br>10 North Senate Avenue,<br>Indianapolis 46204                    | I RHODE ISLAND<br>Department of Employment Security, 24 Mason<br>St., Providence 02903  |
|  | VII IOWA<br>Department of Employment Services, 1000 East<br>Grand Avenue, Des Moines 50319   | IV SOUTH CAROLINA<br>Employment Security Commission, Labor Market<br>Information Division, P.O. Box 995,<br>Columbia 29202  |
|  | VII KANSAS<br>Department of Human Resources, 401 Topeka<br>Avenue, Topeka 66603  | VIII SOUTH DAKOTA<br>Department of Labor, Labor Market Information<br>Center, P.O. Box 4730, Aberdeen 57401   |
|  | IV KENTUCKY<br>Department of Employment Services, Labor<br>Market Research and Analysis Branch,<br>275 East Main St., Frankfort 40621                              | IV TENNESSEE<br>Department of Employment Security, Research<br>and Statistics Division, 519 Cordell Hull Office<br>Bldg., Nashville 37219   |
|  | VI LOUISIANA<br>Department of Labor, Research and Statistics<br>Section, 1001 North 23rd St., Baton Rouge<br>70804-9094  | VI TEXAS<br>Employment Commission, Room 208-T, 1117<br>Trinity St., Austin 78778  |
|  | I MAINE<br>Department of Labor, Division of Economic<br>Analysis and Research, 20 Union St.,<br>Augusta 04330  | VIII UTAH<br>Department of Employment Security, Labor<br>Market Information Services, P.O. Box 11249,<br>Salt Lake City 84147   |
|  | III MARYLAND<br>Department of Employment and Training,<br>Research and Analysis Division, 1100 North<br>Eutaw St., Baltimore 21201                                 | I VERMONT<br>Department of Employment and Training, Office<br>of Policy and Public Information, P.O. Box 488,<br>Montpelier 05602   |
|  | I MASSACHUSETTS<br>Department of Employment and Training,<br>Government Center, Charles F. Hurley Bldg.,<br>Boston 02114   | III VIRGINIA<br>Employment Commission, Economic Information<br>Services, P.O. Box 1358, Richmond 23211  |
|  | V MICHIGAN<br>Employment Security Commission, Research<br>and Statistics Division, Room 516, 7310<br>Woodward Avenue, Detroit 48202                                | II VIRGIN ISLANDS<br>Department of Labor, Bureau of Labor Statistics,<br>53-A, 54-A&B Kronprindsens Gade Charlotte<br>Amalie, St. Thomas 00801-3359 (CES)   |
|  | V MINNESOTA<br>Department of Jobs and Training, Research<br>and Statistics Division, 5th Fl., 390 North<br>Robert St., St. Paul 55101                              | X WASHINGTON<br>Employment Security Department, Labor Market<br>and Economic Analysis Branch, 605 Woodview<br>Dr., Olympia 98503  |
|  | IV MISSISSIPPI<br>Employment Security Commission, Labor<br>Market Information Division, P.O. Box 1699,<br>Jackson 39215-1699                                       | III WEST VIRGINIA<br>Department of Employment Security, Division<br>of Labor and Economic Security, 112 California<br>Avenue, Charleston 25305  |
|  | VII MISSOURI<br>Division of Employment Security, P.O. Box 59,<br>Jefferson City 65104  | V WISCONSIN<br>Department of Industry, Labor, and Human<br>Relations, Labor Market Information Bureau,<br>201 East Washington Avenue, Madison 53707   |
|  |  | VIII WYOMING<br>Employment Security Commission, Research<br>and Analysis Section, P.O. Box 2760,<br>Casper 82602  |