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## Calendar of Features

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

## Household data

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

## Establishment data

| National annual averages: |  |
| :--- | :--- |
| Industry divisions (preliminary) | Jan. |
| Industry detail (final) | Mar. |
| Women employment detail (final) | Mar. |
| National data adjusted to new benchmarks | Oct. ${ }^{1}$ |
| Revised seasonally adjusted series | Oct. ${ }^{2}$ |
| State and area annual averages | May |
| Area definitions | May |

[^0]
# Employment and Earnings 

Vol. 27 No. 3 March 1980

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

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## Employment and Unemployment Developments, February 1980


#### Abstract

The overall employment situation in February was little changed from January.

Total employment--as measured by the monthly survey of households--was close to 98 million for the third consecutive month. Since February a year ago, employment has grown by a modest 1.5 million. The Nation's unemployment rate was 6.0 percent, compared with the January rate of 6.2 percent.

Nonfarm payroll employment--as measured by the monthly survey of establishments--rose slightly from the January level. Payroll jobs have increased by 2 million since February 1979. Hours of work, as measured by the same survey, declined over the month.


## Unemployment

The number of unemployed persons in February, 6.3 million, and the unemployment rate, 6.0 percent, were little changed from the previous month. The two-tenths difference in the rate from January to February is overstated because of rounding; the actual change is not statistically significant. Unemployment had risen in January from a 17-month plateau during which time the overall rate had fluctuated narrowly between 5.7 and 5.9 percent.

Jobless rates for most worker categories showed little movement in February. Accordingly, unemployment rates for adult men ( 4.6 percent), adult women ( 5.7 percent), teenagers ( 16.5 percent), whites ( 5.3 percent), and blacks (11.5 percent) were about the same as in January. In contrast, there were jobless rate declines for married men and workers in durable goods manufacturing, groups which had experienced sharp increases in joblessness in the prior month. (See table A-36.)

## Total employment and the labor force

Total employment was little different from the January level, although employment among adult men rebounded from a sharp drop a month earlier. Employment rose 1.5 million from February 1979, the smallest over-the-year change in more than 4 years.

The civilian labor force was little changed from January's level and up 2.0 million over the year. The civilian labor force participation rate was at a high of 63.9 percent for the last three months. (See table A-33.)

## Industry payroll employment

Nonfarm payroll employment rose by 140,000 in February to 90.7 million. (See table B-4.) Since February 1979, payroll employment has grown by 2 million or 2.3 percent. As with total employment, the pace was slower than anytime in the previous 4 years.

As in the prior month, February employment growth was concentrated in the service-producing sector, and the biggest increase was in trade (up 110,000). Employment in the services industry also rose over the month, by 60,000 . Over the past year, jobs in trade have grown by 475,000 and services by 700,000 .

Overall manufacturing employment was little changed in February, although there were offsetting movements among the component industries. A strike contributed to an employment drop of about 50,000 jobs in petroleum and coal products. On the other hand, employment in transportation equipment nearly returned to its December level, following a drop in January. This industry has been relatively weak since last summer and has comprised the bulk of the overall manufacturing job decline of 115,000 over the past year.

Construction employment edged down following an unusually large increase in January. Mining continued its long-term uptrend; employment in this industry has advanced 7.9 percent over the past year.

## Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls fell by 0.2 hour in February to 35.4 hours; the most marked declines occurred in the goods-producing sector. In manufacturing, the workweek fell by 0.2 to 40.1 hours, and overtime was down a tenth of an hour to 3.1 hours. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls fell by 0.2 percent to $126.4(1967=100)$ in February but was still up 1.4 percent over the year. The manufacturing index fell 0.3 percent over the month and has declined 3.0 percent since February 1979. (See table C-8.)

## Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose by
0.5 percent in February and were up 7.5 percent over the year (seasonally adjusted). Average weekly earnings declined by 0.1 percent from January but have risen by 6.6 percent over the year.

Before adjustment for seasonality, average hourly earnings rose 4 cents in February to $\$ 6.46$ and were 46 cents above February 1979. Average weekly earnings were $\$ 226.75$, up $\$ 1.41$ over the month and $\$ 14.35$ over the year. (See tables C-1 and C-9.)

## The Hourly Earnings Index

The Hourly Earnings Index--earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and lowwage industries--was 242.2 (1967=100) in February, 0.8 percent higher than in January. The Index was 8.1 percent above February a year ago. In dollars of constant purchasing power, the Index decreased 5.2 percent during the 12 month period ended in January. (See table C-9.)

# Comparison of Nonagricultural Employment Estimates From Two Surveys 

*Gloria Péterson Green

Each month the Bureau of Labor Statistics analyzes and publishes two independently derived estimates of nonagricultural employment, based on data collected from the Current Population Survey (household survey) and the Current Employment Survey (establishment survey). Both series are important in appraising current labor market trends and in assessing the overall performance of the economy. Data from the household survey are obtained from a sample of 56,000 households ${ }^{1}$ and measure the work status of individuals, whereas data from the establishment survey are derived from payroll records of approximately 162,000 firms employing over 30 million workers and are essentially a count of occupied jobs.
The levels of the employment estimates from the two surveys differ markedly but, with some exceptions such as the 1977-79 period, their movements have been generally comparable. Differences do occur, at times, with respect to the magnitude and direction of month-to-month changes and in the timing and extent of business cycle swings. At least some of these differences arise because the series measure somewhat different phenomena-employed individuals versus paid jobs.
This article continues the Bureau's annual practice of providing an analysis of quantifiable differences between the series and a discussion of some major unmeasurable causes of discrepancies between them. ${ }^{2}$

## Concepts and coverage

Nonagricultural employment estimates from the household and establishment surveys differ in several basic respects. The household survey, although based on a smaller sample, encompasses a larger segment of the population in that it covers all wage and salary workers including private household workers, as well as the self-employed and unpaid family workers. The establishment survey is limited to wage and salary employees on the payrolls of nonagricultural firms. The household survey also includes persons "with a job but not at work"' during the survey week, as a result of such factors as bad weather, illness, vacation, or various personal reasons, whether or not they were paid for the time absent. By its very nature, the establishment survey
does not cover employees unless they are paid-on the payroll-during the reference period.

The household survey provides information on the labor force activity of the entire civilian noninstitutional population 16 years of age and over, without duplication, since each individual is classified as either employed, unemployed, or not in the labor force. Persons holding more than one job are classified according to the job at which they worked the most hours. The establishment survey has no age qualification, and employees working at more than one job or otherwise appearing on more than one payroll are counted separately for each appearance.

## Quantifiable differences

Table 1 shows annual average levels of the two series for 1977-79, with identification of quantifiable differences. The reconciliation technique involves a series of adjustments to the total nonagricultural employment estimate of the household survey to bring it into as close conformity as possible with the definition of employment in the establishment survey. Thus, estimates for the following groups are subtracted from the household employment total: Self-employed workers, unpaid family workers, private household workers, and workers on unpaid absences from their jobs during the

[^1]Table 1. Reconciliation of nonagricultural employment estimates from the household and establishment surveys, annual averages, 1977-79

| Item | 1977 | $1978{ }^{1}$ | 1979 | $\begin{array}{r} \text { Change } \\ 1978.79 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| Payroll series, as published | 82,423 | 86.446 | 89.482 | 3.051 |
| Household series, as published | 87,302 | 91,031 | 93,648 | 2.617 |
| Less: Selfemployed workers | 6,005 | 6,305 | 6,652 | 347 |
| Unpaid family workers | 492 | 472 | 455 | -17 |
| Private household workers | 1,376 | 1,363 | 1,240 | -123 |
| Unpaid absentees | 2,143 | 2,152 | 2,208 | 56 |
| Equals: <br> Nonagricultural wage and salary workers less private household workers and unpaid absentees $\qquad$ | 77,286 | 80,739 | 83,093 | 2,354 |
| Plus: 14-and 15-year olds | 671 | 702 | 699 | -3 |
| Agricultural service workers .............. | 297 | 316 | 357 | 41 |
| Equals: Household series adjusted by above factors | 78,254 | 81,757 | 84,149 | 2,392 |
| Difference: Payroll series less adjusted househoid series ${ }^{2}$. | 4,169 | 4,689 | 5,334 | 645 |

1 Comparisons of 1978 household survey data with data for prior years are affected by the introduction of an expansion in the sample and revisions in the estimation procedures introduced in January 1978. As a result, total nonagricultural employment was raised by about 120,000.

2 As discussed more fully in the text, there are several factors which account for the remaining difference. Perhaps the largest is the dual jobholding reflected in the payroll series. This
is corroborated to some degree in the household surveys for the month of May. In 1977, 1978, and 1979, the estimated numbers of persons holding a second nonagricultural wage and salary job were $2,923,000,2,870,000$ and $2,993,000$, respectively. Another primary source of discrepancy is the undercounting of the population in the decennial censuses, which, in turn, results in an understatement of the household survey's employment estimates.
survey week. Then, estimates of employed 14 - and 15 -years-olds in nonagricultural wage and salary jobs (excluding private households) and workers employed in agricultural services are added to the household series. ${ }^{3}$
After adjustments were made to take account of these measurable differences in concepts and coverage, the establishment survey estimates exceeded those of the household survey by 4.2 million in 1977, 4.7 million in 1978, and 5.3 million in 1979. These remaining differences stem from multiple counting in the payroll survey, undercounting of the population in the household survey, and a number of other factors which cannot be quantified with any degree of certainty. Moreover, both surveys are affected by measurement errors of various kinds. Whether these unquantifiable differences change markedly over time so as to account for at least some of the nearly 1.2 million increase from 1977 to 1979 in the measurable difference is conjectural.

## Sources of unquantifiable differences

Multiple counting of workers in the establishment survey stems primarily from workers holding two or more jobs concurrently but may also result from workers leaving one job and obtaining another within the same reference period and thus appearing on the
payroll records of more than one employer. Moreover, multiple counting may occur when a worker is continued on a payroll while being compensated for earned vacation time, even though he or she has left the job. In the absence of a matching of payroll records and Social Security numbers, the extent of multiple jobholding in the establishment survey is virtually impossible to determine. In the household survey, however, this phenomenon is measured to some degree in special surveys conducted once each year in the month of May. ${ }^{4}$ In May 1979, the number of persons 16 years of age and over working as nonagricultural wage and salary

[^2]workers on second jobs totaled 3.0 million. Eliminating this and other types of dual counting would, of course, significantly reduce the differential between the two series.
The undercount of the population in the decennial population censuses has an important effect, because population control totals for the household survey sample are based on projections from the most recent census. The Census Bureau has estimated that 5.3 million persons, or 2.5 percent of the population, were missed in the 1970 census; however, there are no "true" estimates of how many of these persons held wage and salary jobs in nonagricultural industries. ${ }^{5}$ The inclusion of missed workers in the household survey estimates of employment would also significantly reduce the differential between the series.
Finally, there are several groups of workers who are counted on the payrolls of establishments but are outside the scope of the household survey. These include military personnel who also hold civilian jobs, institutionalized individuals working in or outside the institution, and foreign workers (such as residents of Canada or Mexico) who commute to jobs in the United States. Moreover, the establishment survey probably includes many illegal aliens, particularly in the trade and services industries, whereas these persons would be reluctant to be identified and thus counted in the household survey. Adjustments for these unquantified differences in coverage would also reduce the differential in the levels of the series.

## Sampling varlablity

Statistics derived from the household and establishment surveys are subject to sampling error, that is, estimates of the number of employed persons and other measures provided from these surveys may differ from the figures that would be obtained if a complete census were taken using the same schedules, instructions, and enumerators. In the household survey, the amount of the difference arising from sampling can be expressed in terms of standard error. ${ }^{6}$ The chances are 68 out of 100 that an estimate will differ by no more than one standard error from the results of a complete census. The chances are 90 out of 100 that an estimate based on the sample will differ by no more than 1.6 times the standard error from a complete census. At the 90 -percent level of confidence-the limits used by the BLS in its
analyses-the monthly sampling error for the household survey estimate of nonagricultural wage and salary employment is on the order of plus or minus 393,000 . ( On an annual average basis, the error is about 263,000 .) As in any sample survey, the results are also subject to errors of response, reporting, processing, and undercoverage.

In the establishment survey, sampling and response error may accumulate over several months, because the estimating procedure employs the previous month's estimate as the base in computing the current month's level (link-relative technique). Moreover, estimates for the 2 most current months are based on incomplete returns and are revised when all of the returns in the sample are received. To remove any errors that accumulate over time, the employment estimates are adjusted annually to new benchmarks (comprehensive counts of employment). In addition to increasing the reliability of the sample estimates, the benchmark revisions adjust the estimates for intervening changes in industrial' classification and the formation of new establishments. ${ }^{7}$

Employment estimates are currently projected from March 1978 benchmark levels, which were introduced in the October 1979 issue of this publication.' Since the 1978 benchmark revisions, the magnitude of recent changes in the payroll series has greatly exceeded those in the household series, and recent differences between the series have widened. However, this benchmark revi-sion-and upward revisions in the monthly bias adjustment factors that were introduced coincident with the benchmark-do not appear to explain very much of the increased difference between the series' employment totals over the 1977-79 period.

[^3]
# Changes in the Spendable and Real Earnings Series for 1980 

*Mary Lee Seifert

The increase in the social security tax base, effective January 1, affected the formulas for calculating spendable earnings for those workers whose earnings equaled or exceeded the old base rate. This article presents the formulas to be used in calculating spendable earnings for 1980. This article also discusses the revised seasonally adjusted constant dollar series which were revised to reflect revised seasonal adjustment factors for the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W, All items, $1967=100$ ).

The spendable earnings series are derived by applying to the gross average weekly earnings of production and nonsupervisory workers in the private nonagricultural sector formulas which subtract the applicable social security and Federal income tax liabilities from those earnings. ${ }^{1}$ The Federal income tax liabilities are derived by assuming the use of the standard deduction and are applied in two cases: that of a single worker with no dependents and that of a married worker with three dependents filing a joint Federal income tax return. ${ }^{2}$

While Federal income tax rates and the earned income credit, as modified by the Revenue Act of 1978, are unchanged from 1979, the Social Security Amendments of 1977 calls for an increase in the yearly base earnings level to which the social security tax rate of 6.13 percent is applied. The 1980 tax base is $\$ 25,900$ (equivalent to $\$ 498.07$ weekly), an increase of $\$ 3,000$ over the 1979 tax base of $\$ 22,900$ (equivalent to $\$ 440.38$ per week).

Workers earning more than $\$ 440.38$ per week or over $\$ 22,900$ per year were affected by this change. The maximum increase in taxes will be $\$ 3.53$ per week paid by workers earning $\$ 498.07$ per week or more; this translates to a maximum tax of $\$ 1,587.67$ per year for those earning $\$ 25,900$ per year or more. Currently, the gross average weekly earnings levels of production and nonsupervisory workers at the division levels are below the $\$ 440.38$ level. Therefore, no effect is shown.

The formulas for calculating spendable earnings for 1980 are presented in table 1 , along with the formulas for 1978 and $1979 .{ }^{3}$

Real earnings, or earnings in constant dollars, are calculated by deflating earnings in current dollars by the CPI-W. Seasonally adjusted real earnings series have been revised to reflect seasonal experience in the CPI-W through December 1979. The revised seasonally adjusted constant-dollar series are published in table 2. Although the constant-dollar series from 1964-1974 are unaffected by this revision, they are republished here along with the revised constant-dollar data for 1975-1978 as a convenience to users.

[^4]Table 1. Spendable Average Weekly Earnings Formulas, 1978-80

| Period | Worker with no dependents ${ }^{1}$ |  | Married worker with 3 dependents ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Gross average weekly earnings | Formula ( $\mathrm{X}=$ gross average weekly earnings) | Gross average weekly earnings | Formula ( $\mathrm{X}=$ gross average weekly earnings) |
| January-Decémber 1978 | $0-61.54$ | . 9395 X | $0-144.62$ t | . 9395 X |
|  | 61.55-66.35 | . $7995 X+8.61$ | 144.63-153.85 † | . $6895 X+36.15$ |
|  | 66.36-75.96 | . $7895 X+9.27$ | 153.86-157.69 | . $7895 \times 20.77$ |
|  | 75.97-85.58 | . $7795 X+10.03$ | 157.70-176.92 | .7795X+ 22.34 |
|  | 85.59-90.38 | . $7695 X+10.89$ | 176.93-196.15 | . $7695 x+24.12$ |
|  | 90.39-95.19 | . $7895 X+9.09$ | 196.16-253.85 | . $7495 X+28.04$ |
|  | 95.20-133.65 | . $7695 \mathrm{X}+11.00$ | 253.86-273.08 | .7695X+ 22.97 |
|  | 133.66-172.12 | . $7495 x+13.67$ | 273.09-292.31 | . $7395 x+31.16$ |
|  | 172.13-210.58 | . $7195 \mathrm{X}+18.83$ | 292.32-340.38 | $.7195 x+37.00$ |
|  | 210.59-229.81 | . $7095 x+20.94$ | 340.39-350.00 | . $78 \quad x+16.41$ |
|  | 229.82-249.04 | . $6895 \mathrm{X}+25.53$ | 350.01-426.92 | . $75 x+26.91$ |
|  | 249.05-287.50 | . $6695 \mathrm{X}+30.51$ | 426.93-503.85 | . $72 x+39.72$ |
|  | 287.51-325.96 | . $6495 x+36.26$ | 503.86-580.77 | . $68 \quad \mathrm{X}+59.87$ |
|  | 325.97-340.38 | . $6295 \mathrm{X}+42.78$ | 580.78-657.69 | . $64 \mathrm{X}+83.10$ |
|  | 340.39-364.42 | . $69 \mathrm{X}+22.19$ | 657.70-734.62 | . $61 \mathrm{X}+102.83$ |
|  | 364.43-402.88 | . $66 \mathrm{X}+33.12$ |  |  |
|  | 402.89-441.35 | . $64 \mathrm{X}+41.18$ |  |  |
| January-_June 1979 | $0-63.46$ | $.9387 X$ |  | $.9387 X$ |
|  | 63.47-84.61 | . $7987 X+8.88$ | $165.90-182.69 \dagger$ | $.6737 X+43.96$ |
|  | 84.62-103.84 | . $7787 \mathrm{X}+10.58$ | 182.70-192.30 t | . $6537 \mathrm{X}+47.62$ |
|  | 103.85-144.23 | . $7587 \mathrm{X}+12.65$ | 192.31-223.07 | . $7787 \mathrm{X}+23.58$ |
|  | 144.24-182.69 | . $7487 \mathrm{X}+14.09$ | 223.08-305.76 | . $7587 \mathrm{X}+28.03$ |
|  | 182.70-226.92 | . $7287 \mathrm{X}+17.75$ | 305.77-384.61 | . $7287 X+37.21$ |
|  | 226.93-267.30 | . $6987 \mathrm{X}+24.56$ | 384.62-440.38 | $.6987 X+48.75$ |
|  | 287.31-307.69 | . $6787 \mathrm{X}+29.90$ | 440.39-465.38 | . $76 x+21.75$ |
|  | 307.70-369.23 | . $6387 X+42.21$ | 465.39-550.00 | . $72 \quad x+40.37$ |
|  | 369.24-440.38 | . $5987 \mathrm{X}+56.98$ | 550.01-651.92 | . $68 \quad x+62.37$ |
|  | 440.39-471.15 | . $66 \quad x+29.98$ | 651.93-753.84 | . $63 \mathrm{X}+94.96$ |
|  | 471.16-573.07 | . $61 \quad \mathrm{X}+53.54$ |  |  |
| July-December $1979{ }^{2}$ |  | $.9387 X$ |  | $1.0387 X$ |
|  | 63.47-84.61 | . $7987 \mathrm{X}+8.88$ | $96.16-115.38+$ | . $9387 \mathrm{X}+9.62$ |
|  | 84.62-103.84 | . $7787 \mathrm{X}+10.58$ | 115.39-142.30 t | . $8137 \mathrm{X}+24.04$ |
|  | 103.85-144.23 | .7587X +12.65 c | 142.31-182.69 + | . $6737 \mathrm{X}+43.96$ |
|  | 144.24-182.69 | . $7487 \mathrm{X}+14.09$ | 182.70-192.30 † | . $6537 \mathrm{X}+47.62$ |
|  | 182.70-226.92 | . $7287 X+17.75$ | 192.31-223.07 | . $7787 \mathrm{X}+23.58$ |
|  | 226.93-267.30 | . $6987 X+24.56$ | 223.08-305.76 | .7587x +28.03 |
|  | 267.31-307.69 | . $6787 X+29.90$ | 305.77-384.61 | .7287X+ 37.21 |
|  | 307.70-369.23 | . $6387 X+42.21$ | 384.62-440.38 | . $6987 X+48.75$ |
|  | 369.24-440.38 | . $5987 \mathrm{X}+56.98$ | 440.39-465.38 | .76 $\quad 7+21.75$ |
|  | 440.39-471.15 | . $66 \quad x+29.98$ | 465.39-550.00 | . $72 x+40.37$ |
|  | 471.16-573.07 | . $61 \times+53.54$ | 550.01-651.92 | . 68 X+62.37 |
|  |  |  | 651.93-753.84 | . $63 \mathrm{X}+94.96$ |
| 1979 Annual Average ${ }^{3}$ | 0 - 63.46 | .9387X | 0-96.15 † |  |
|  | 63.47-84.61 | . $7987 X+8.88$ | $96.16-115.38 \dagger$ | $.9387 X+4.81$ |
|  | 84.62-103.84 | . $7787 X+10.58$ | 115.39-142.30 t | . $8762 \mathrm{X}+12.02$ |
|  | 103.85-144.23 | . $7587 \mathrm{X}+12.65 \mathrm{c}$ | 142.31-165.89 † | .8062X +21.98 |
|  | 144.24-182.69 | . $7487 X+14.09$ | 165.90-182.69 † | $.6737 X+43.96$ |
|  | 182.70-226.92 | . $7287 X+17.75$ | 182.70-192.30 $\dagger$ | . $6537 \mathrm{X}+47.62$ |
|  | 226.93-267.30 | . $6987 \mathrm{X}+24.56$ | 192.31-223.07 | .7787X +23.58 |
|  | 267.31-307.69 | . $6787 \mathrm{X}+29.90$ | 223.08-305.76 | .7587X +28.03 |
|  | 307.70-369.23 | $.6387 X+42.21$ | 305.77-384.61 | . $7287 X+37.21$ |
|  | 369.24-440.38 | . $5987 X+56.98$ | 384.62-440.38 | . $6987 x+48.75$ |
|  | 440.39-471.15 | . $66 \quad x+29.98$ | 440.39-465.38 | .76 $x+21.75$ |
|  | 471.16-573.07 | . $61 \quad X+53.54$ | 465.39-550.00 | . $72 x+40.37$ |
|  |  |  | 550.01-651.92 | . $68 \quad x+62.37$ |
|  |  |  | 651.93-753.84 | . $63 \mathrm{X}+94.96$ |

[^5]
## Table 1. Spendable Average Weokly Earnings Formulas, 1978-80—ContInued



[^6]Table 2. Revised seasonally adjusted real earnings series of production or nonsupervisory workers ${ }^{1}$ on private nonagricultural payrolls

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gross average | HOURLY | EARNINGS | IN 1967 | DOLLARS |  |  |  |  |  |  |  |  |
| 1964. | \$2.50 | \$2.52 | \$2.51 | \$2.52 | \$2.53 | \$2.53 | \$2.54 | \$2.56 | \$2.56 | \$2.54 | \$2.56 | \$2.56 |
| 1965. | 2.56 | 2.58 | 2.59 | 2.58 | 2.60 | 2.59 | 2.60 | 2.61 | 2.61 | 2.63 | 2.63 | 2.62 |
| 1966. | 2.63 | 2.62 | 2.63 | 2.63 | 2.63 | 2.64 | 2.64 | 2.63 | 2.64 | 2.64 | 2.65 | 2.65 |
| 1967. | 2.66 | 2.66 | 2.67 | 2.67 | 2.67 | 2.68 | 2.69 | 2.69 | 2.68 | 2.68 | 2.69 | 2.69 |
| 1968. | 2.70 | 2.71 | 2.71 | 2.73 | 2.73 | 2.74 | 2.73 | 2.74 | 2.75 | 2.74 | 2.75 | 2.76 |
| 1969. | 2.76 | 2.77 | 2.76 | 2.76 | 2.77 | 2.77 | 2.77 | 2.78 | 2.77 | 2.78 | 2.78 | 2.77 |
| 1970. | 2.77 | 2.77 | 2.77 | 2.76 | 2.77 | 2.77 | 2.78 | 2.79 | 2.78 | 2.77 | 2.78 | 2.78 |
| 1971. | 2.80 | 2.81 | 2.83 | 2.83 | 2.84 | 2.83 | 2.83 | 2.85 | 2.85 | 2.86 | 2.86 | 2.88 |
| 1972. | 2.93 | 2.91 | 2.93 | 2.94 | 2.94 | 2.94 | 2.94 | 2.96 | 2.96 | 2.98 | 2.98 | 2.99 |
| 1973. | 2.99 | 2.97 | 2.97 | 2.97 | 2.96 | 2.96 | 2.99 | 2.94 | 2.95 | 2.94 | 2.94 | 2.93 |
| 1974. | 2.91 | 2.89 | 2.88 | 2.87 | 2.88 | 2.89 | 2.88 | 2.87 | 2.86 | 2.85 | 2.83 | 2.83 |
| 1975. | 2.81 | 2.81 | 2.81 | 2.81 | 2.82 | 2.82 | 2.80 | 2.81 | 2.81 | 2.80 | 2.81 | 2.80 |
| 1976. | 2.82 | 2.83 | 2.83 | 2.83 | 2.85 | 2.85 | 2.85 | 2.86 | 2.87 | 2.87 | 2.88 | 2.88 |
| 1977. | 2.88 | 2.87 | 2.87 | 2.88 | 2.89 | 2.88 | 2.89 | 2.89 | 2.89 | 2.91 | 2.90 | 2.90 |
| 1978..... | 2.91 | 2.91 | 2.91 | 2.93 | 2.92 | 2.91 | 2.92 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 |
| 1979..... | 2.90 | 2.89 | 2.88 | 2.85 | 2.84 | 2.83 | 2.83 | 2.82 | 2. 80 | 2.78 | 2.78 | 2.77 |


| GROSS | AVERAGE WEEKLY <br> $\$ 96.12$ | EARNINGS $\$ 97.39$ | IN 1967 $\$ 97.29$ | DOLLARS $\$ 97.90$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1964 | . $\begin{array}{r}\text { P96.12 } \\ \hline 99.65\end{array}$ | $\$ 97.39$ 100.21 | $\$ 97.29$ 100.81 | $\$ 97.90$ 100.26 | \$98.01 | $\$ 97.90$ 100.16 | $\$ 98.27$ 100.59 | $\$ 99.10$ 100.85 | $\$ 98.15$ 100.39 | $\$ 98.38$ 101.61 | $\$ 98.96$ 101.77 | $\$ 99.74$ 101.67 |
| 1966 | 101.71 | 101.98 | 101.86 | 101.63 | 101.58 | 101.83 | 102.03 | 101.41 | 101.69 | 101.68 | 101.77 | 101.65 |
| 1967. | 102.32 | 101.31 | 101.44 | 101.35 | 101.41 | 101.77 | 101.95 | 102.19 | 101.79 | 101.59 | 102.31 | 102.11 |
| 1968 | 101.91 | 102.52 | 102.59 | 102.48 | 103.37 | 103.70 | 103.47 | 103. 52 | 104.12 | 103.71 | 103.38 | 103.79 |
| 1969 | 104.41 | 104.17 | 103.93 | 104.05 | 104.73 | 104.29 | 104.44 | 104.65 | 104.52 | 104.44 | 104.28 | 104.24 |
| 1970. | 103.47 | 103.58 | 103.50 | 102.69 | 102.89 | 102.89 | 103.46 | 103.55 | 102.42 | 102.17 | 102.45 | 102.55 |
| 1971 | 103.31 | 103.75 | 104.42 | 104.38 | 104.78 | 104.56 | 104.04 | 105.25 | 104.23 | 105.51 | 105.93 | 106.40 |
| 1972. | 108.04 | 107.80 | 108.53 | 109.16 | 108.60 | 108.63 | 108.58 | 109.20 | 109.65 | 110.57 | 110.21 | 110.14 |
| 1973 | 110.20 | 109.88 | 110.33 | 110.34 | 109.57 | 109.55 | 110.58 | 108.32 | 108.74 | 108.19 | 108.71 | 107.88 |
| 1974 | 106.77 | 106.48 | 105.66 | 104.40 | 105.61 | 105.64 | 105.24 | 104.60 | 104.61 | 103.79 | 102.29 | 102.08 |
| 19?5. | 101.60 | 101.03 | 100.70 | 100.89 | 101.53 | 101.57 | 100.79 | 101.87 | 101.63 | 101.39 | 101.80 | 101.69 |
| 1976 | 102.76 | 102.85 | 102.13 | 102.32 | 103.24 | 102.96 | 102.84 | 103.07 | 102.87 | 103.30 | 103.71 | 103.65 |
| 1977 | 103.19 | 103.72 | 103.46 | 103.63 | 104.26 | 103.85 | 104.13 | 103.64 | 104.20 | 104.59 | 104.55 | 104.08 |
| 1978. | 103.46 | 103.94 | 104.57 | 105.41 | 104.67 | 104.49 | 104.72 | 104.15 | 104.03 | 104.17 | 104.03 | 104.15 |
| 1979 | 103.88 | 103.13 | 103.31 | 100.57 | 101.55 | 100.85 | 100.60 | 100.24 | 100.04 | 99.10 | 99.16 | 98.88 |



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Chart 6. Payroll employment in goods-and service-producing industries
(Seasonally adjusted)


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## Chart 9. Employment In nonfarm occupations

(Scesonally ad/usted)



Chart 11. Unemployment rates by race




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



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




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

| Year and month | Total nonlmstitutional popula. tion | Total lebor force |  | Cwilien labor force |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Employed |  |  | Unemployed |  | Mot in lebor force |
|  |  | Number | Purcent of populetion | Totel | Total | Agrioulture | Noneqricultural industrias | Number | Poreent <br> of <br> labor <br> fores |  |
|  | Annual averages |  |  |  |  |  |  |  |  |  |
| total |  |  |  |  |  |  |  |  |  |  |
| 1947..... | 103.418 | 60.941 | 58.9 | 59.350 | 57.038 | 7.890 | 49,148 | 2.311 | 3.9 | 42.477 |
| 1948......... | 104.527 | 62.080 | 59.4 | 60.621 | 58.343 | 7.629 | 50.714 | 2.276 | 3.8 | 42.447 |
| 1949......... | 105.611 | 62.903 | 59.6 | 61.286 | 57.651 | 7.658 | 49.993 | 3.637 | 5.9 | 42,708 |
| 1950........ | 106.645 | 63.858 | 59.9 | 62.208 | 58.918 | 7.160 | 51.758 | 3.288 | 5.3 | 42,787 |
| 1951........ | 107.721 | 65.117 | 60.4 | 62,017 | 59.961 | 6,726 | 53.235 | 2.055 | 3.3 | 42,604 |
| 1952,....... | 108.823 | 65.730 | 60.4 | 62.138 | 60.250 | 6.500 | 53.749 | 1.883 | 3.0 | 43.093 |
| 1953....... | 110.601 | 66.560 | 60.2 | 63.015 | 61.179 | 6.260 | 54.919 | 1,834 | 2.9 | 44,041 |
| 1954....... | 111.671 | 66.993 | 60.0 | 63.643 | 60.109 | 6,205 | 52.904 | 3,532 | 5.5 | 44,678 |
| 1955......... | 112.732 | 68.072 | 60.4 | 65.023 | 62.170 | 6,450 | 55.722 | 2.852 | 4.4 | 44.660 |
| 1956........ | 113.811 | 69.409 | 61.0 | 66,552 | 63.799 | 6.283 | 57,514 | 2.750 | 4.1 | 44.402 |
| 1957........ | 115.065 | 69.729 | 60.6 | 66,929 | 64.071 | 5.947 | 58. 123 | 2,859 | 4.3 | 45,336 |
| 1958........ | 116.363 | 70.275 | 60.4 | 67,630 | 63.036 | 5,586 | 57.450 | 4.602 | 6.8 | 46,088 |
| 1959........ | 117.881 | 70.921 | 60.2 | 68.369 | 64.630 | 5.565 | 59.065 | 3.740 | 5.5 | 46,960 |
| 1960 . | 119,759 | 72.142 | 60.2 | 69.628 | 65,778 | 5.458 | 60.318 | 3.852 | 5.5 | 47.617 |
| 1961..... | 121.343 | 73.031 | 60.2 | 70.459 | 65,74.6 | 5.200 | 60.546 | 4.714 | 6.7 | 48.312 |
| 1962 ${ }^{\prime}$........ | 122.981 | 73.442 | 59.7 | 70.614 | 66.702 | 4,944 | 61.759 | 3.911 | 5.5 | 49.539 |
| 1963........ | 125.154 | 74.571 | 59.6 | 71.833 | 67.762 | 4,687 | 63.076 | 4.070 | 5.7 | 50,583 |
| 1964......... | 127. 224 | 75.830 | 59.6 | 73.091 | 69,305 | 4.523 | 64.782 | 3.786 | 5.2 | 51,394 |
| 1965......... | 129.236 | 77.178 | 59.7 | 74.455 | 71.088 | 4.361 | 66,726 | 3.366 | 4.5 | 52.058 |
| 1966......... | 131.180 | 78.893 | 60.1 | 75.770 | 72,895 | 3.979 | 68,915 | 2,875 | 3.8 | 52,288 |
| 1967........ | 133.319 | 80.793 | 60.6 | 77.347 | 74.372 | 3.844 | 70.527 | 2.975 | 3.8 | 52,527 |
| 1968......... | 135.562 | 82.272 | 60.7 | 78.737 | 75.920 | 3.817 | 72.103 | 2,817 | 3.6 | 53.291 |
| 1969......... | 137.841 | 84.240 | 61.1 | 80.734 | 77.902 | 3,606 | 74.296 | 2.832 | 3.5 | 53.602 |
| 1970........ | 140.182 | 85:903 | 61.3 | 82.715 | 78.627 | 3,462 | 75.165 | 4,088 | 4.9 | 54.280 |
| 1971......... | 142.596 | 86.929 | 61.0 | 84.113 | 79.120 | 3.387 | 75.732 | 4.993 | 5.9 | 55,666 |
| $1972{ }^{1} \ldots \ldots .$. | 145,775 | 88.991 | 61.0 | 86.542 | 81.702 | 3.472 | 78.230 | 4,840 | 5.6 | 56.785 |
| $1973{ }^{1} . . . . . .$. | 148.263 | 91.040 | 61.4 | 88.714 | 84.409 | 3.452 | 80.957 | 4.304 | 4.9 | 57.222 |
| 1974......... | 150.827 | 93.240 | 61.8 | 91.011 | 85,935 | 3.492 | 82.443 | 5.076 | 5.6 | 57.587 |
| 1975. | 153.449 | 94,793 | 61.8 | 92.613 | 84,783 | 3.380 | 81.403 | 7.830 | 8.5 | 58,655 |
| 1976.. | 156.048 | 96.917 | 62.1 | 94.773 | 87.485 | 3,297 | 84.188 | 7.288 | 7.7 | 59.130 |
|  | 158.559 | 99,534 | 62.8 | 97.401 |  |  |  |  |  |  |
| 1978. | 161.058 | 102.537 | 63.7 | 100.420 | 94.373 | 3.342 | 91.031 | 6.047 | 6.0 | 58. 521 |
| 1979......... | 163.620 | 104.996 | 64.2 | 102.908 | 96.945 | 3.297 | 93.648 | 5.963 | 5.8 | 53.623 |
|  |  |  |  |  | athly data, se | adjusted |  |  |  |  |
| 1979: |  |  |  |  |  |  |  |  |  |  |
| Fetruarv. | 162.633 | 104.473 | 64.2 | 102.379 | 96.496 | 3.307 | 93.189 | 5.883 | 5.7 | 58. 160 |
| March.... | 162.909 | 104.595 | 64.2 | 102.505 | 96.623 | 3,320 | 93.303 | 5.882 | 5.7 | 58,314 |
| April. | 163.008 | 104.280 | 64.0 | 102.198 | 96.254 | 3. 215 | 93,039 | 5,944 | 5.8 | 58,728 |
| Mav......- | 163,260 | 104.476 | 64.0 | 102,398 | 96.495 | 3. 246 | 93.249 | 5.903 | 5.8 | 58.784 |
| June..... | 163.469 | 104.552 | 64.0 | 102,476 | 96.652 | 3.242 | 93.409 | 5.824 | 5.7 | 58.917 |
| Julv..... | 163.685 | 105.175 | 64.3 | 103.093 | 97.184 | 3.267 | 93.917 | 5.909 | 5.7 | 58.511 |
| A uaust... | 163.891 | 105.218 | 64.2 | 103.128 | 97.004 | 3.315 | 93.689 | 6. 124 | 5.9 | 58,673 |
| September | 164.106 | 105.586 | 64.3 | 103.494 | 97.504 | 3.364 | 94, 140 | 5.990 | 5.8 | 58.519 |
| October.. | 164.468 | 105.688 | 64.3 | 103.595 | 97.474 | 3.294 | 94, 180 | 6.121 | 5.9 | 58.780 |
| November. | 164.682 | 105.744 | 64.2 | 103.652 | 97.608 | 3.385 | 94.223 | 6.044 | 5.8 | 58.937 |
| December. | 164.898 | 106.088 | 64.3 | 103.999 | 97.912 | 3.359 | 94.553 | 6.087 | 5.9 | 58,810 |
| 1980: |  |  |  |  |  |  |  |  |  |  |
| Januarv... |  | $106.310$ | $64.4$ | $104.229$ | $97.804$ | $3.270$ | $94,534$ | $6.425$ | $6.2$ | $50.791$ |
| Fetruarv. | 165.298 | 106.346 | 64.3 | 104.260 | 97.953 | 3.326 | 94,626 | 6.307 | 6.0 | 58,951 |

1 Not strictly comparable with data for prior vears. For an explanation, see "Historie
${ }^{2}$ Because seasonality, by definition, does not exist in population figures, date for Comparability" under the Household Data section of the Explanatory Notes. "total noninstitutional population" are not sessonally adjusted.

HOUSEHOLD DATA

## HISTORICAL

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date

| Yesr, month, and sex | Total moninstitutional populathon | Total hior force |  | Civivilien lebor force |  |  |  |  |  | Not in labor force |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Total | Employed |  |  | Unemployed |  |  |
|  |  | Number |  |  | Totan | Agriculture | Nonegriculural industries | Number | Percent of labor force |  |
| males | Annuel averages |  |  |  |  |  |  |  |  |  |
| 1967......... | 64.316 | 52.398 | 81.5 | 48.987 | 47.479 | 3.164 | 44.315 | 1.508 | 3.1 | 11.919 |
| 1968.......... | 65.345 | 53.030 | 81.2 | 49.533 | 48,114 | 3.157 | 44,957 | 1,419 | 2.9 | 12,315 |
| 1969......... | . 66.365 | 53.688 | 80.9 | 50.221 | 48, 818 | 2,963 | 45,855 | 1,403 | 2.8 | 12,677 |
| 1970......... | 67.409 | 54.343 | 80.6 | 51.195 | 48.960 | 2.861 | 46,099 | 2,235 | 4.4 | 13,066 |
| 1971; ........ | 68.512 | 54.797 | 80.0 | 52.021 | 49.245 | 2.790 | 46.455 | 2,776 | 5.3 | 13,715 |
| 1972 ${ }^{2}$. ${ }^{\text {a }}$. | 69.864 | 55.671 | 79.7 | 53.265 | 50.630 | 2.839 | 47.791 | 2,635 | 4.9 | 14.193 |
| 1973 ${ }^{1}$........ | 71.020 | 56.479 | 79.5 | 54.203 | 51.963 | 2,833 | 49.130 | 2,240 | 4.1 | 14.541 |
| 1974......... | 72. 253 | 57.349 | 79.4 | 55.186 | 52.518 | 2.900 | 49.618 | 2,668 | 4.8 | 14,904 |
| 1975......... | 73.494 | 57.706 | 78.5 | 55.615 | 51.230 | 2.801 | 48,429 | 4.385 | 7.9 | 15.788 |
| 1976........ | 74.739 | 58.397 | 78.1 | 56.359 | 52.391 | 2.716 | 49.675 | 3.968 | 7.0 | 1.31 |
| 1977, $\ldots$...... | 75.981 | 59.467 | 78.3 | 57.449 | 53.861 | 2.639 | 51,222 | 3.588 | 6.2 | 1-5: |
| $\begin{aligned} & 1978^{2} \ldots \ldots . . \\ & 1979 . . . . . . . \end{aligned}$ | 77.169 | 60.535 | 78.4 | 58.542 | 55,491 | 2.681 | 52.810 | 3.051 | 5.2 | 16.624 |
|  | 78.397 | 61.466 | 78.4 | 59,517 | 56,499 | 2,645 | 53,854 | 3.018 | 5.1 | 16,931 |
|  | Monthly dant, senconally adjusted ${ }^{2}$ |  |  |  |  |  |  |  |  |  |
| 1979: |  |  |  |  |  |  |  |  |  |  |
| Ferruarv. | 77.926 | 61.397 | 78.8 | 59.434 | 56,476 | 2,655 | 53,821 | 2.958 | 5.0 | 16.520 |
| narch.... | 78.058 | 61.376 | 78.6 | 59,421 | 56,449 | 2,656 | 53.793 | 2,972 | 5.0 | 16.682 |
| April.... | 78.105 | 61.240 | 78.4 | 59.293 | 56. 294 | 2.593 | 53,701 | 2.999 | 5.1 | 16.865 |
| Mav....... | 78.225 | 61.257 | 78.3 | 59.313 | 56.372 | 2.608 | 53.764 | 2,941 | 5.0 | 16,960 |
| June...... | 78.323 | 61.311 | 78.3 | 59.370 | 56.477 | 2,600 | 53.877 | 2,893 | 4.9 | 17,012 |
| Julv...... | 78.427 | 61.540 | 78.5 | 59,597 | 56,570 | 2,614 | 53,956 | 3.027 | 5.1 | 16.887 |
| August... | 78.525 | 61.437 | 78.2 | 59.491 | 56.408 | 2.650 | 53,758 | 3,083 | 5.2 | 17,088 |
| Septenber | 78.627 | 61.759 | 78.5 | 59.812 | 56.714 | 2,677 | 54.037 | 3.098 | 5.2 | 16.867 |
| cctober.. | 78.805 | 61.675 | 78.3 | 59.727 | 56.629 | 2.666 | 53.963 | 3.098 | 5.2 | 17.130 |
| そ̈ovember. | 78.906 | 61.652 | 78.1 | 59.704 | 56.580 | 2.716 | 53.864 | 3.124 | 5.2 | 17.255 |
| necenber. | 79.009 | 61.762 | 78.2 | 59,823 | 56.734 | 2.714 | 54.020 | 3.089 | 5.2 | 17.247 |
| 1980: |  |  |  |  |  |  |  |  |  |  |
| Januarv.. <br> Pebruarv. | 79.104 | 61.810 | 78.1 | 59.878 | 56.486 | 2. 665 | 53.821 | 3.392 | 5.7 | 17.295 |
|  | 79.196 | 61.951 | 78.2 | 60.014 | 56.732 | 2,702 | 54.029 | 3.283 | 5.5 | 17.245 |
|  | Annual eversees |  |  |  |  |  |  |  |  |  |
| 1967......... | 69.003 | 28,395 | 41.2 | 28,360 | 26.893 | 680 | 26.212 | 1.468 | 5.2 |  |
| 1968......... | 70.217 | 29.242 | 41.6 | 29,204 | 27.807 | 660 | 27,147 | 1.397 | 4.8 | 40.976 |
| 1969......... | 71.476 | 30.551 | 42.7 | 30.513 | 29,084 | 643 | 28,441 | 1.429 | 4.7 | 40.924 |
| 1970......... | 72.774 | 31.560 | 43.4 | 31.520 | 29.667 | 601 | 29.066 | 1,853 | 5.9 | 41.214 |
| 1971......... | 74.084 | 32.132 | 43.4 | 32.091 | 29,875 | 598 | 29.277 | 2.217 | 6.9 | 41,952 |
|  | 75.911 | 33.320 | 43.9 | 33.277 | 31.072 | 633 | 30.439 | 2,205 | 6.6 | 42.591 |
| 19731........ | 77.242 | 34.561 | 44.7 | 34.510 | 32.446 | 619 | 31.827 | 2.064 | 6.0 | 42.681 |
| 1974......... | 78.575 | 35.892 | 45.7 | 35.825 | 33.417 | 592 | 32,825 | 2,408 | 6.7 | 42,68 |
| 1975.......... | 79.954 | 37.087 | 46.4 | 36.998 | 33,553 | 579 | 32.973 | 3.445 | 9.3 | 42,868 |
| 1976......... | 81.309 | 38.520 | 47.4 | 38.414 | 35,095 | 582 | 34.513 | 3.320 | 8.6 | 42.789 |
| 1977......... | 82.577 | 40.067 | 48.5 | 39.952 | 36.685 | 605 | 36.080 | 3.267 | 8.2 | 42.510 |
| $1978{ }^{2} \ldots . .$. | 83.890 | 42.002 | 50.1 | 4.1 .878 | 38.882 | 661 | 38.221 | 2,996 | 7.2 | 41.887 |
| 1979......... | 85.223 | 43.531 | 51.1 | 43.391 | 40,446 | 652 | 39.794 | 2,945 | 6.8 | 41,692 |
|  | Monthly dint, seasonelly edjusted ${ }^{2}$ |  |  |  |  |  |  |  |  |  |
| 1979: |  |  |  |  |  |  |  |  |  |  |
| Pebruarv. | 84.707 | 43.077 | 50.9 | 42.945 | 40.020 | 652 | 39.368 | 2,925 | 6.8 | 41,631 |
| March.... | 84,851 | 43.220 | 50.9 | 43,084 | 40.174 | 664 | 39.510 | 2.910 | 6.8 | 41.632 |
| april.... | 84.903 | 43.040 | 50.7 | 42,905 | 39.960 | 622 | 39.338 | 2,945 | 6.9 | 41.863 |
| Mav....... | 85.035 | 43.220 | 50.8 | 43.085 | 40.123 | 638 | 39.485 | 2,962 | 6.9 | 41,815 |
| June..... | 85.145 | 43.241 | 50.8 | 43.106 | 40.175 | 643 | 39.532 | 2.931 | 6.8 | 41.905 |
| Julv..... | 85.259 | 43.635 | 51.2 | 43.496 | 40.614 | 653 | 39.961 | 2,882 | 6.6 | 41.624 |
| auaust... | 85,366 | 43.782 | 51.3 | 43.637 | 40.596 | 665 | 39.931 | 3.041 | 7.0 | 41,585 |
| Sedteaber | 85,479 | 43.827 | 51.3 | 43.682 | 40.790 | 687 | 40.103 | 2.892 | 6.6 | 41,652 |
| October.. | 85,663 | 44.013 | 51.4 | 43.868 | 40.845 | 628 | 40.217 | 3.023 | 6.9 | 41,651 |
| Novenber. | 85,775 | 44.093 | 51.4 | 43.948 | 41.028 | 669 | 40.359 | 2.920 | 6.6 | 41.683 |
| Deceuber. | 85.889 | 44.326 | 51.6 | 44.176 | 41.178 | 645 | 40.533 | 2.998 | 6.8 | 41.563 |
| 1980: |  |  |  |  |  |  |  |  |  |  |
| Januarv... <br> Februarv. | $\begin{aligned} & 85.997 \\ & 86.102 \end{aligned}$ | $\begin{aligned} & 44,501 \\ & 44,396 \end{aligned}$ | $\begin{aligned} & 51.7 \\ & 51.6 \end{aligned}$ | $\begin{aligned} & 44.352 \\ & 44.246 \end{aligned}$ | 41.318 41.221 | 605 624 | 40.713 40.597 | 3.034 3.025 | 6.8 6.8 | $\begin{aligned} & 41.495 \\ & 41.706 \end{aligned}$ |

- See footnote 1, table A.1.
${ }^{2}$ See footnote 2, wable A-1.

A-3. Employment status of the noninetitutional population by sex, age, and race
[Numbers in thousands]

| Sen, a00, and race | Pebruary 1980 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total limbor force |  | Clvilien labor force |  |  |  | Not in inbor foree |  |  |  |  |
|  | Numbur | Percent <br> of population | Total | Emploved | Unemployed |  | Total | Kacping house | $\begin{aligned} & \text { Golin } \\ & \text { totoon } \end{aligned}$ | $\begin{gathered} \text { Unable } \\ \text { to } \\ \text { work } \end{gathered}$ | Other remon |
|  |  |  |  |  | Number | Peroent of lubor foree |  |  |  |  |  |
| males |  |  |  |  |  |  |  |  |  |  |  |
| 16 yeurs and over | 61.176 | 77.2 | 59.239 | 55,319 | 3.920 | 6.6 | 18,020 | 405 | 4.813 | 1.699 | 11.103 |
| 16 to 21 vears | 8.180 | 64.4 | 7.532 | 6,257 | 1.275 | 16.9 | 4,512 | 11 | 4.046 | 31 | 424 |
| 16 to 19 years ........ | 4.775 | 56.8 | 4.490 | 3,660 | 830 | 18.5 | 3.630 | 9 | 3.328 | 20 | 273 |
| 18 to 17 years | 1.822 | 44.1 | 1.804 | 1.424 | 380 | 21.1 | 2.314 | 8 | 3.187 | 8 | 110 |
| 18 to 19 vears | 2,952 | 69.2 | 2,686 | 2.237 | 450 | 16.7 | 1.316 | 1 | 1.140 | 11 | 163 |
| 20 s0 24 years ......... | 54.487 | 89.3 | 52.835 | 49,809 | 3.026 | 5.7 | 6,540 | 165 | 1,475 | 1,208 | 3.690 |
| 20 to 24 y years ...... | 8.844 | 85.6 | 8.114 | 7.109 | 1.005 | 12.4 | 1.485 | 9 | 1.134 | 35 | $30 \%$ |
| 25 to 54 yeors | 38,480 | 94.2 | 37.560 | 35,787 | 1,772 | 4.7 | 2.353 | 91 | $33 \%$ | 657 | 1,271 |
| 25 to 29 yeurs | 8.718 | 94.8 | 8.358 | 7,764 | 594 | 7.1 | 480 | 11 | 214 | 39 | 217 |
| 30 to 34 years .. | 8.000 | 96.1 | 7.750 | 7.384 | 366 | 4.7 | 326 | 16 | 63 | 86 | 162 |
| 36 to 39 yesrs | 6.436 | 95.7 | 6.248 | 5,951 | 297 | 4.8 | 287 | 15 | 20 | 94 | 158 |
| 40 to 44 years | 5.318 | 94.8 | 5,232 | 5,065 | 168 | 3.2 | 289 | 10 | 12 | 82 | 184 |
| 45 to 49 yours | 5.016 | 93.3 | 4.986 | 4.804 | 183 | 3.7 | 359 | 7 | 11 | 137 | 204 |
| 50 to 54 yesrs ... | 4.992 | 89.1 | 4,985 | 4,820 | 164 | 3.3 | 611 | 32 | 14 | 219 | 346 |
| 55 to 04 years. | 7.162 | 72.6 | 7.161 | 6,913 | 249 | 3.5 | 2.702 | 68 | 9 | 516 | 2,112 |
| 85 08080 yearr | 4.431 | 82.5 | 4.430 2.731 | 4,304 | 127 | 2.9 | +939 | 23 | 7 | 249 | 660 |
| 60 to 64 yeors | 2.731 | 60.8 | 2,731 | 2,609 | 122 | 4.5 | 1.763 | 43 | 2 | 266 | 1,451 |
| 65 yeors and over. | 1.914 | 19.6 | 1.914 | 1,849 | 65 | 3.4 | 7,851 | 231 | 10 | 471 | 7.140 |
| 65 to 60 years ... | 1.123 | 29.5 | 1.123 | 1.074 | 48 | 4.3 | 2,689 | 64 | 8 | 165 | 2.453 |
| 70 yeats and ovir | 792 | 13.3 | 792 | 775 | 17 | 2.1 | 5,162 | 167 | 1 | 307 | 4,687 |
| Whita |  |  |  |  |  |  |  |  |  |  |  |
| 16 yanes and ovar . . . . . . . | 54.401 | 78.1 | 52,894 | 49.786 | 3. 109 | 5.9 | 15,261 | 315 | 3.939 | 1.349 | 9.769 |
| 16 to 21 vears | 7.200 | 66.9 | 6,714 | 5,724 | 990 | 14.8 | 3,562 | 3 | $\therefore 208$ | 26 | 326 |
| 18 to 18 vears. | 4.248 | 59.8 | 4.035 | 3.383 | 652 | 16.2 | 2,855 | 4 | 2,613 | 17 | 220 |
| 18 to 17 years | 1.663 | 47.8 | 1.648 | 1,333 | 315 | 19.1 | 1,813 | 4 | 1.717 | 5 | 85 |
| 18 to 19 vests | 2.585 | 71.3 | 2,386 | 2,050 | 337 | 14.1 | 1,042 | -- | 8 Peq | 12 | 135 |
| 20 to 04 yeors . . . . | 48.428 | 90.1 | 47.135 | 44.721 | 2.414 | 5.1 | 5,344 | 113 | 1,207 | 949 | 3,075 |
| 20 to 24 yours | 7.682 | 86.7 | 7.134 | 6.346 | 788 | 11.0 | 1.182 | 4 | 949 | 28 | 201 |
| 25 to 54 yenrs. | 34.188 | 95.0 | 33.444 | 32.029 | 1.414 | 4.2 | 1.809 | 58 | 254 | 502 | 994 |
| 25 to 34 yenrs | 14.759 | 96.1 | 14.276 | 13.514 | 762 | 5.3 | 599 | 20 | 211 | 92 | 275 |
| 36 to 44 years 45 to 54 years | 10.477 |  | 10.248 | 9,873 | 375 | 3.7 | 431 | 12 | 25 | 128 | 267 |
| 45 to 54 yeart | 8.952 | 92.0 | 8.920 | 8,642 | 278 | 3.1 | 778 | 26 | 18 | 282 | 452 |
| 56 to 04 yeors | 6.558 | 73.6 | 6.557 | 6.346 | 211 |  |  |  |  |  |  |
| 56 to 59 years | 4.051 | 83.7 | 4.050 | 3.935 | 116 | 2.9 | 789 | 14 | 4 | 230 | 571 |
| 60 to 64 years | 2.507 | 61.6 | 2.507 | 2.412 | 95 | 3.8 | 1.564 | 37 | $\overline{7}$ | 218 | 1.309 |
| 65 vears and over | 1.725 | 19.6 | 1.725 | 1,682 | 43 | 2.5 | 7.062 | 198 | 7 | $3 ¢ 3$ | 6.474 |
| Breck and other |  |  |  |  |  |  |  |  |  |  |  |
| 16 your and over16 to16y years | 6.775980 | 71.1 | 6.345818 | 5. 533 | $\begin{aligned} & 812 \\ & 284 \end{aligned}$ | 12.8 | 2.759 | 90 | 985840 | 350 | 1.334 |
|  |  | 50.8 |  |  |  | 34.8 | 951 | 8 |  | 5 | . 98 |
| 16 to 19 years ... 18 to 17 years | 527 159 | 40.5 | 455 | 278 | 178 | 39.0 | 775 | 5 | 714 | 3 | 53 |
| 16 to 17 years <br> 18 to 19 years | $\begin{aligned} & 159 \\ & 368 \end{aligned}$ | 24.1 | $\begin{aligned} & 155 \\ & 300 \end{aligned}$ | 91 | 65 | 41.6 | 501 | 4 | 470 | 3 | 2428 |
|  |  | 57.3 |  | 187 | 113 | 37.7 | 274 | 1 | 244 | -- |  |
| 20 to 84 years. | 6.058 | 83.5 | 5,700 | 5.087 | 612 | 10.7 | 1. 196 | 52 | 269 | 258 | 616 |
| 26 to 84 y yeurs | 1.162 | 79.3 | 5.781 | . 763 | 217 | 22.1 | 303 | $\begin{array}{r}4 \\ 3 \\ \hline\end{array}$ | 184 | 7 | 107 |
|  | 4.292 | 88.7 | 4.116 | 3,758 | 358 | 8.7 | 544 |  | 79 | 155 | 276 |
|  | 1.959 | 90.5 | 1.832 | 1.634 | 19890 | 10.8 | 207145 | 7 | 65 | 32 | 10375 |
| 45 to 64 rears | 1.277 | 89.8 | 1.232 | 1.142 |  | 7.3 |  | 14 | 7 | 48 |  |
|  | 1.056 | 84.6 | 1,052 | 982 | 69 | 6.6 | 193 | 13 | 7 | 75 | 98 |
| 56 to 04 years ... | $\begin{aligned} & 604 \\ & 380 \\ & 224 \\ & 189 \end{aligned}$ | 63.4 | 604 | 566 | 38 | 6.3 | 349 | 159 | 53 | 9749 | 23290 |
| 56 to 59 years 80 to 84 years |  | 71.7 | 380 | 369 | 11 | 3.0 | 349 150 |  |  |  |  |
| -65 yows and over . ${ }^{64}$ |  | 53.0 | 224 | 197 | 27 | 11.9 | $\begin{array}{r} 198 \\ 789 \end{array}$ | 6 | 2 | 48 | $\begin{aligned} & 143 \\ & 665 \end{aligned}$ |
| 06 vows and over . |  | 19.3 | 189 | 168 |  | 11.4 |  | 33 | 2 | 89 |  |

A-3. Employment status of the noninstitutional population by sex, age, and race-Continued
[Numbers in thousands]

| Sox, ape, and race | Pebruary 1980 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total labor force |  | Civiliman labor force |  |  |  | Not in labor force |  |  |  |  |
|  | Number | Percent of population | Totat | Employed | Unomployed |  | Total | Kerping house | Going to sehool | Uneble to work | Other rewions |
|  |  |  |  |  | Numbem | Percemt of labor force |  |  |  |  |  |
| FEMALES |  |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 44.168 | 51.3 | 44.018 | 40.945 |  | $\begin{array}{r} 7.0 \\ 14.2 \end{array}$ | 41,934 | 31,357 | 4.795 | 1,102 | 4.679 |
| 16 to 21 years | 6.792 | 54.7 | 6.733 | 5.778 | $955$ |  | 5.634 | 1.339 | 3.963 | . 14 | $\begin{aligned} & 318 \\ & 208 \end{aligned}$ |
| 16 to 19 years .. | 4.054 | 49.4 | 4.027 | 3.337 | 691 | $\begin{aligned} & 17.2 \\ & 19.0 \end{aligned}$ | 4. 158 | 631 | 3. 312 | 6 |  |
| 16 to 17 vears | 1.557 | 38.9 | 1.555 | 1.260 | 295 |  | 2.444 | 175 | 2. 176 | - | 208 94 |
| 18 to 19 years | 2.497 | 59.3 | 2.472 | 2.076 | 396 | 16.0 | 1.715 | 457 | 1.137 | 6 | 115 |
| 20 to 64 years.. | $\begin{array}{r} 38.964 \\ 6.956 \end{array}$ | $\begin{aligned} & 60.9 \\ & 67.4 \end{aligned}$ | $\begin{array}{r} 38.841 \\ 6.882 \end{array}$ |  | $\begin{array}{r} 2.333 \\ 651 \end{array}$ | 6.0 | 24.990 | 21.044 | $\begin{aligned} & 1.466 \\ & 1.014 \end{aligned}$ | 501 | $\begin{array}{r} 1.979 \\ 268 \end{array}$ |
| 20 to 24 years |  |  |  |  |  | 9.5 | 3.361 | 2.060 |  | 20 |  |
| 25 to 54 years. | 27.365 | 64.2 | 27.315 | $\begin{array}{r} 6.231 \\ 25.774 \end{array}$ | $\begin{array}{r} 651 \\ 1.541 \end{array}$ | 5.6 | 15.248 | 13.613 | $\begin{array}{r} 1.014 \\ 445 \end{array}$ | 258 | 932 |
| 25 to 29 years | 6.255 | 66.7 | 6.220 | 5.764 |  | 7.3 | $\begin{aligned} & 3.118 \\ & 2.975 \end{aligned}$ | 2.729 | $189$ | 29 | 171 |
| 30 to 34 years | 5.568 | 65.2 | 5.558 | 5.764 5.202 | $\begin{aligned} & 356 \\ & 225 \end{aligned}$ | 6.4 |  | 2,696 | $109$ | 24 | 146 |
| 35 to 38 vears | 4.551 | 64.4 | 4.548 | 4,323 |  | 4.9 | 2.517 | 2.303 | 66 | 29 | 119 |
| 40 to 44 vears | 3.973 | 66.8 | 3.972 | 3.781 | 191 | 4.8 | 1,975 | 1.761 | 41 | 36 | 137 |
| 45 to 49 years | 3.557 | 62.8 | 3.556 | 3.392 | 164 | 4.6 | 2.111 | 1.879 | 21 | 51 | 159 |
| 50 to 54 years | 3.462 | 57.6 | 3.462 | 3.313 | 149 | 4.3 | 2.551 | 2,243 | 19 | 89 | 200 |
| 55 to 64 years | $\begin{aligned} & 4.643 \\ & 2.920 \\ & 1.724 \end{aligned}$ | $\begin{aligned} & 42.1 \\ & 49.4 \\ & 33.7 \end{aligned}$ | $\begin{aligned} & 4.643 \\ & 2.920 \\ & 1.724 \end{aligned}$ | $\begin{aligned} & 4.502 \\ & 2.831 \\ & 1.672 \end{aligned}$ | $\begin{array}{r} 141 \\ 89 \\ 52 \end{array}$ | $\begin{aligned} & 3.0 \\ & 3.0 \\ & 3.0 \end{aligned}$ | $\begin{aligned} & 6.380 \\ & 2.985 \\ & 3.396 \end{aligned}$ | $\begin{aligned} & 5,371 \\ & 2,569 \\ & 2,802 \end{aligned}$ | 7 | 223 | 779 |
| 55 to 59 years |  |  |  |  |  |  |  |  | 6 | 116 | 294 |
| 60 to 64 years |  |  |  |  |  |  |  |  | 1 | 107 | 485 |
| 65 years and over 65 to 69 years | $\begin{array}{r} 1.150 \\ 716 \\ 434 \end{array}$ | $\begin{array}{r} 8.3 \\ 15.1 \\ 4.7 \end{array}$ | $\begin{array}{r} 1.150 \\ 716 \\ 434 \end{array}$ | $\begin{array}{r} 1.101 \\ 676 \\ 424 \end{array}$ | $\begin{array}{r} 49 \\ 40 \\ 9 \end{array}$ | $\begin{aligned} & 4.3 \\ & 5.6 \\ & 2.1 \end{aligned}$ | $\begin{array}{r} 12.786 \\ 4.042 \\ 8.744 \end{array}$ | $\begin{aligned} & 9.682 \\ & 3.224 \\ & 6.458 \end{aligned}$ | 16 | 596 | 2.492 |
| 65 to 69 years ... |  |  |  |  |  |  |  |  | 5 | 99 | . 714 |
| 70 years and over |  |  |  |  |  |  |  |  | 11 | 497 | 1.778 |
| White |  |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 38.248 | 51.1 | 38,135 | 35,754 | 2,381 | 6.2 | 36.660 | 28.058 | 3.759 | 856 | 3.988 |
| 16 to 21 years | 5.948 | 56.9 | 5.904 | 5,194 | 2. 710 | $\begin{aligned} & 12.0 \\ & 14.4 \\ & 16.9 \\ & 12.7 \end{aligned}$ | $\begin{aligned} & 4.500 \\ & 3.307 \\ & 1.935 \\ & 1.372 \end{aligned}$ | $\begin{array}{r} 1.092 \\ 523 \\ 146 \\ 377 \end{array}$ | $\begin{array}{r} 3.151 \\ 2.607 \\ 1.710 \\ 897 \end{array}$ | 10 | $\begin{array}{r} 248 \\ 173 \\ 79 \\ 95 \end{array}$ |
| 16 to 19 years. | 3.585 | 52.0 | 3,566 | 3. 053 | 513 |  |  |  |  |  |  |
| 16 to 17 vears | 1.410 | 42.1 | 1.408 | 1.170 | 238 |  |  |  |  | , |  |
| 18 to 19 years | 2.175 | 61.3 | 2.157 | 1,882 | 275 |  |  |  |  | 4 |  |
| 20 to 64 years .... | $\begin{array}{r} 33,646 \\ 6,012 \\ 23,487 \end{array}$ | $\begin{aligned} & 60.7 \\ & 69.0 \end{aligned}$ | 33.5525.957 | $\begin{array}{r} 31.730 \\ 5.482 \end{array}$ | $\begin{array}{r} 1,821 \\ 475 \end{array}$ | 5.4 | 21.749 | $\begin{array}{r} 18,594 \\ 1,673 \end{array}$ | 1.136809 | 36718 | 1,652 |
| 20 to 24 years. |  |  |  |  |  | 8.0 | 2.702 |  |  |  | . 202 |
| 25 to 54 years .... |  | 63.8 | 23.448 | 22.229 | 1.220 | 5.2 | 13.302 | 12.036 | 323 | 188 | 755 |
| 25 to 34 years.. | $\begin{aligned} & 23.487 \\ & 10.052 \end{aligned}$ | $\begin{aligned} & 65.6 \\ & 65.0 \\ & 59.9 \end{aligned}$ | $\begin{array}{r} 10.018 \\ 7.310 \\ 6.121 \end{array}$ | 9.404 | . 615 | 6.1 | 5.272 | 4.787 | 202 | 42 | 24.1 |
| 35 to 44 years | $\begin{array}{r} 10.052 \\ 7.313 \\ 6.121 \end{array}$ |  |  | 6.970 | 340 | 4.6 | 3.935 | 3.593 | 85 | 53 | 204 |
| 45 to 54 years |  |  |  | 5.855 | 265 | 4.3 | 4.095 | 3.655 | 35 | 93 | 311 |
| 55 to 64 years ... | 4.147 | 41.9 | 4.147 | 4.020 | 127 | 3.1 | 5.745 | 4.885 | 5 | 161 | 694 |
| 55 to 59 years | 2.593 | 49.1 | 2.593 | 2,514 | 78 | 3.0 | 2.690 | 2.338 | 4 | 82 | 266 |
| 60 to 64 years | 1.554 | 33.7 | 1.554 | 1.506 | 48 | 3.1 | 3.055 | 2.547 | 1 | 79 | 429 |
| 65 years and aver | 1.017 | 8.1 | 1.017 | 971 | 47 | 4.6 | 11.604 | 8.941 | 16 | 485 | 2. 162 |
| Black and other |  |  |  |  |  |  |  |  |  |  |  |
| 16 years and over. | 5,920 | 52.9 | 5.883 | 5. 191 | 691 | 11.8 | 5.273 | 3.299 | 1.036 | 247 | 692 |
| 16 to 21 vears. | 844 | 42.7 | 829 | 584 | 245 | 29.6 | 1.134 | - 248 | . 812 | 4 | 70 |
| 16 to 19 vesrs . . . . . . . | 469 | 35.5 | 462 | 284 | 178 | 38.5 | 851 | 108 | 706 | 2 | 35 |
| 16 to 17 years | 148 | 22.5 | 147 | 90 | 57 | 38.9 | 508 | 28 | 465 | -- | 15 |
| 18 to 19 years | 321 | 48.4 | 315 | 194 | 121 | 38.3 | 343 | 80 | 240 | 2 | 20 |
| 20 to 64 years . . . . . . . | 5.318 | 62.1 | 5,288 | 4.778 | 510 | 9.6 | 3. 241 | 2.450 | 329 | 133 | 327 |
| 20 to 24 vears | 5.343 | 58.9 | 5. 926 | . 750 | 176 | 19.0 | . 659 | 2, 387 | 205 | 2 | 65 |
| 25 to 54 years .. | 3.878 | 66.6 | 3.866 | 3.546 | 321 | 8.3 | 1.947 | 1.578 | 123 | 70 | 177 |
| 25 to 34 years | 1.770 | 68.3 | 1.759 | 1.562 | 197 | 11.2 | 822 | . 639 | 96 | 11 | 76 |
| 35 to 44 yeers | 1.210 | 68.5 | 1.210 | 1.134 | 76 | 6.3 | 557 | 471 | 21 | 12 | 53 |
| 45 to 54 yearn | 897 | 61.3 | 897 | 850 | 48 | 5.3 | 568 | 468 | 5 | 47 | 48 |
| 55 to 64 years ... | 496 | 43.9 | 496 | 483 | 14 | 2.8 | 635 | 486 | 2 | 62 | 85 |
| 55 to 59 years. | 327 | 52.6 | 327 | 316 | 10 | 3.2 | 294 | 230 | 2 | 34 | 28 |
| 60 to 64 years | 169 | 33.2 | 169 | 166 | 3 | 2.0 | 340 | 255 | -- | 28 | 57 |
| 65 years and over | 133 | 10.1 | 133 | 130 | 3 | 2.2 | 1.182 | 741 | 1 | 111 | 330 |

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

| Sex, age, and race | Total labor force |  |  |  | Civilian labor force |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Participation rates |  | Thousands of persons |  | Participation rates |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Teh. } \\ & 1980 \end{aligned}$ |
| MALES |  |  |  |  |  |  |  |  |
| 16 years and over | 60.503 | 61,176 | 77.6 | 77.2 | 58,540 | 59.239 | 77.1 | 76.7 |
| 16 to 19 vears | 4.882 | 4.775 | 57.8 | 56.8 | 4.579 | 4.490 | 56.2 | 55.3 |
| 16 to 17 years | 1.925 | 1.822 | 45.9 | 44.1 | 1.906 | 1,804 | 45.6 | 43.8 |
| 18 to 19 years | 2.957 | 2.952 | 69.5 | 69.2 | 2.674 | 2.686 | 67.3 | 67.1 |
| 20 to 24 years | 8.748 | 8.844 | 85.7 | 85.6 | 8.011 | 8,114 | 84.6 | 84.5 |
| 25 to 54 years | 37.822 | 38.480 | 94.5 | 94.2 | 36.900 | 37.560 | 94.4 | 94.1 |
| 25 to 34 years | 16.179 | 16.718 | 95.4 | 95.4 | 15,573 | 16.108 | 95.2 | 95.2 |
| 35 to 44 years | 11.484 | 11.754 | 95.8 | 95.3 | 11,206 | 11.480 | 95.7 | 95.2 |
| 45 to 54 years | 10.158 | 10.007 | 91.8 | 91.2 | 10.121 | 9.971 | 91.8 | $\bigcirc 1.1$ |
| 55 to 64 years | 7.140 | 7.162 | 73.4 | 72.6 | 7. 139 | 7.161 | 73.4 | 72.6 |
| 55 to 59 years | 4.385 | 4.431 | 82.2 | 82.5 | 4.384 | 4.430 | 82.2 | 82.5 |
| 60 to 64 years | 2.754 | 2. 731 | 62.7 | 60.8 | 2.754 | 2.731 | 62.7 | 60.8 |
| 65 vears and over | 1.911 | 1.914 | 20.1 | 19.6 | 1.911 | 1.914 | 20.1 | 19.6 |
| White |  |  |  |  |  |  |  |  |
| 16 years and over | 53.803 | 54.401 | 78.4 | 78.1 | 52.238 | 52,894 | 77.9 | 77.6 |
| 16 to 19 years | 4.309 | 4.248 | 60.2 | 59.8 | 4.075 | 4.035 | 58.8 | 58.6 |
| 16 to 17 years | 1.735 | 1.663 | 49.0 | 47.8 | 1.719 | 1.648 | 48.8 | 47.6 |
| 18 to 19 years | 2.574 | 2,585 | 71.0 | 71.3 | 2.356 | 2,386 | 69.2 | 69.6 |
| 20 to 24 years | 7.581 | 7.682 | 86.3 | 86.7 | 7.010 | 7.134 | 85.3 | 85.8 |
| 25 to 54 years | 33.646 | 34.188 | 95.2 | 95.0 | 32.880 | 33.444 | 95.1 | 94.9 |
| 25 to 34 years | 14.314 | 14.759 | 96.1 | 96.1 | 13.823 | 14.276 | 96.0 | 96.0 |
| 35 to 44 years | 10.240 | 10.477 | 96.5 | 96.0 | 10.007 | 10.248 | 96.5 | 96.0 |
| 45 to 54 years | 9.092 | 8,952 | 02.5 | 92.0 | 9.059 | 8.920 | 92.5 | 92.0 |
| 55 to 64 years | 6.514 | 6.558 | 74.0 | 73.6 | 6.513 | 6,557 | 74.0 | 73.6 |
| 55 to 59 years | 3,996 | 4.051 | 83.0 | 83.7 | 3.995 | 4.050 | 83.0 | 83.7 |
| 60 to 64 years | 2.519 | 2.507 | 63.1 | 61.6 | 2.519 | 2,507 | 63.1 | 61.6 |
| 65 years and over | 1.751 | 1.725 | 20.4 | 19.6 | 1.751 | 1.725 | 20.4 | 19.6 |
| Black and other |  |  |  |  |  |  |  |  |
| 16 years and over | 6.700 | 6,775 | 72.3 | 71.1 | 6,302 | 6.345 | 71.1 | 69.7 |
| 16 to 19 years | 573 | 527 | 44.4 | 40.5 | 504 | 6. 455 | 41.3 | 37.0 |
| 16 to 17 vears | 190 | 159 | 28.9 | 24.1 | 187 | 155 | 28.5 | 23.7 |
| 18 to 19 vears | 383 | 368 | 60.7 | 57.3 | 318 | 300 | 56.1 | 52.3 |
| 20 to 24 years | 1.167 | 1.162 | 82.0 | 79.3 | 1.001 | 981 | 79.6 | 76.4 |
| 25 to 54 years. | 4.175 | 4. 292 | 89.3 | 88.7 | 4.010 | 4.116 | 88.9 | 88.3 |
| 25 to 34 years 35 to 44 years | 1.865 | 1.959 | 90.5 | 90.5 | 1.749 | 1.832 | 90.0 | 89.9 |
| 35 to 44 years 45 to 54 years | 1.244 | 1.277 | 90.3 | 89.8 | 1.200 | 1.232 | 89.9 | 89.5 |
| 45 to 54 years | 1.066 | 1.056 | 86.3 | 84.6 | 1.062 | 1,052 | 86.3 | 84.5 |
| 55 to 64 years. | 625 | 604 | 67.2 | 63.4 | 625 | 604 | 67.2 | 63.4 |
| 55 to 59 years 60 to 64 years | 390 | 380 | 74.0 | 71.7 | 390 | 380 | 74.0 | 71.7 |
| 60 to 64 years 65 years and over | 236 | 224 | 58.3 | 53.0 | 236 | 224 | 58.3 | 53.0 |
| 65 years and over | 160 | 189 | 16.9 | 19.3 | 160 | 189 | 16.9 | 19.3 |


| 80x, ape, and ract | Toun limor force |  |  |  | Civilien luber force |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousends of pevtors |  | Pertielperion rutes |  | Thousunde of periom |  | Provelpation ratu |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Yeb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { FeL. } \\ & 1980 \end{aligned}$ |
| females |  |  |  |  |  |  |  |  |
| 10 years and over | 42.840 | 44.168 | 50.6 | 51.3 | 42,709 | 44.018 | 50.5 | 51.2 |
| 16 to 19 yours | 4.207 | 4.054 | 50.9 | 49.4 | 4.184 | 4.027 | 50.8 | 49.2 |
| 16 to 17 voers | 1.719 | 1,557 | 42.3 | 38.9 | 1,718 | 1.555 | 42.3 | 38.9 |
| 18 to 19 years | 2.488 | 2,497 | 59.2 | 59.3 | 2,466 | 2,472 | 59.0 | 59.0 |
| 20 to 24 years | 6.963 | 6.956 | 68.3 | 67.4 | 6.896 | 6.882 | 68.1 | 67.2 |
| 25 to 54 yoars | 25.893 | 27,365 | 62.0 | 64.2 | 25,851 | 27.315 | 61.9 | 64.2 |
| 25 to 34 vears | 11.052 | 11.823 | 63.8 | 66.0 | 11.015 | 11.778 | 63.7 | 65.9 |
| 351044 vears | 7.929 | 8.524 | 62.7 | 65.5 | 7,925 | 8,520 | 62.7 | 65.5 |
| 45 to 54 years | 6.911 | 7.019 | 58.6 | 60.1 | 6.911 | 7,018 | 58.6 | 60.1 |
| 56 to 64 years | 4.606 | 4.643 | 42.4 | 42.1 | 4.606 | 4,643 | 42.4 | 42.1 |
| 56 to 59 vears | 2,865 | 2,920 | 48.9 | 49.4 | 2,865 | 2.920 | 48.9 | 49.4 |
| 60 to 04 vears | 1.741 | 1,724 | 34.7 | 33.7 | 1.741 | 1.724 | 34.7 | 33.7 |
| 66 years and over | 1.172 | 1,150 | 8.6 | 8.3 | 1,172 | 1,150 | 8.6 | 8.3 |
| Whive |  |  |  |  |  |  |  |  |
| 16 yeors ond ovar | 37,080 | 38,248 | 50.2 | 51.1 | 36,977 | 38.135 | 50.2 | 51.0 |
| 16 to 19 yairs | 3,739 | 3.585 | 53.8 | 52.0 | 3,721 | 3.566 | 53.6 | 51.9 |
| 18 to 17 yean | 1.544 2.195 | 1.410 | 45.3 | 42.1 | 1.543 | 1.408 | 45.3 | 42.1 |
| 18 to 19 vears | 2.195 | 2,175 | 61.9 | 61.3 | 2.178 | 2.157 | 61.7 | 61.1 |
| 20 to 24 years | 6.012 | 6.012 | 69.7 | 69.0 | 5,960 | 5.957 | 69.5 | 68.8 |
| 25 to 54 yars | 22.172 | 23.487 | 61.3 | 63.8 | 22,139 | 23.448 | 61.3 | 63.8 |
| 25 to 34 y yars | 9.366 | 10.052 | 63.0 | 65.6 | 9.337 | 10,018 | 63.0 | 65.5 |
| 36 to 44 years 46 to 84 years | 6.792 | 7.313 | 62.1 | 65.0 | 6,789 | 7.310 | 62.1 | 65.0 |
| 45 to 84 years | 6.014 | 6.121 | 58.1 | 59.9 | 6.013 | 6.121 | 58.1 | 59.9 |
| 85 to 04 years |  | 4,147 |  |  |  |  |  |  |
| 66 to 50 yours | 2.566 | 2.593 | 48.9 | 49.1 | 2,566 | 2.593 | 48.9 | 49.1 |
| 60 to 84 yours | 1.563 | 1.554 | 34.6 | 33.7 | 1.563 | 1.554 | 34.6 | 33.7 |
| 65 vears end ovar | 1.028 | 1.017 | 8.3 | 8.1 | 1.028 | 1.017 | 8.3 | 0.1 |
| Brak and other |  |  |  |  |  |  |  |  |
| 18 years and over | 5.760 |  |  |  |  |  |  |  |
| 16 to 10 venrs | 468 | 469 | 35.6 | 35.5 | 463 | 462 | 35.4 | 35.2 |
| 16 to 17 veors | 175 | 148 | 26.7 | 22.5 | 175 | 147 | 26.6 | 22.4 |
| 18 to 19 vears | 293 | 321 | 44.6 | 48.4 | 288 | 315 | 44.2 | 47.9 |
| $20 \text { to } 24 \text { years }$ | 951 | 943 | 60.8 | 58.9 | 936 | 926 | 60.4 | 58. 4 |
| 25 to 64 year:. | 3.721 1.686 | 3.878 1.770 | 66.1 68.2 | 66.6 68.3 | 3,712 1,678 | 3,866 <br> 1,759 | 66.1 | 66.5 |
| 35 to 44 years | 1.137 | 1.210 | 66.5 | 68.5 | 1,137 | 1,210 | 66.5 | 68.5 |
| 45 to 54 years | 898 | 897 | 62.1 | 61.3 | 897 | 897 | 62.1 | 61.2 |
| 55 to 84 yeors. |  |  | 43.4 |  | 477 | 496 | 43.4 | 43.9 |
| 56 to 59 years 60 to 04 years. | 299 | 327 | 48.9 | 52.6 | 299 | 327 | 48.9 | 52.6 |
| 60 to 94 years | 178 | 169 | 36.5 | 33.2 | 178 | 169 | 36.5 | 33.2 |
| 65 years and over | 144 | 133 | 11.3 | 10.1 | 144 | 133 | 11.3 | 10.1 |

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

| Sex and age | Pebruary 1980 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian labor fores |  |  |  |  |  | Not in labor force |
|  | Toul | Emploved |  |  | Unemployed |  |  |
|  |  | Total | Agrieulture | Nonegricultural indus. tries | Number | Percent of labor force |  |
| total |  |  |  |  |  |  |  |
| 16 years and over | 10.336 | 8.984 |  | 8.771 | 1,352 | 13. 1 | $6.935$ |
| 16 to 19 years | 770 | 455 | 8 | 446 | 315 | 40.9 |  |
| 16 to 17 years | 252 | 146 | 3 | 144 | 105 | 41.8 | $\begin{array}{r} 1.451 \\ 900 \end{array}$ |
| 18 to 19 years... | 518 | 308 | 6 | 303 | 210 | 40.5 | $\begin{aligned} & 900 \\ & 551 \end{aligned}$ |
| 20 to 24 years | 1.638 | 1.267 | 28 | 1.239 | $\begin{aligned} & 371 \\ & 604 \end{aligned}$ | 22.6 | $\begin{array}{r} 816 \\ 2.067 \end{array}$ |
| 25 to 54 years | 6.697 | 6.093 | 137 | 5.955 |  | 9.0 |  |
| 25 to 34 years | 3,002 | 2.650 | 46 | 2,604 | 351 | 11.7 | 812 |
| 35 to 44 years | 2.057 | 1.913 | 52 | 1.861 | 145 | 7.0 | $\begin{aligned} & 600 \\ & 654 \end{aligned}$ |
| 45 to 54 years | 1.637 | 1.530 | 39 | 1,491 | 108 | 6.6 |  |
| 55 to 64 vears.... | 950 | 906 | 24 | 882 | 44 | 4.6 | 879 |
| 55 to 59 vears. | 608 | 591 | 10 | 581 | 17 | 2.8 | 396 |
| 60 to 64 years | 341 | 315 | 14 | 301 | 27 | 7.9 | 483 |
| 65 years and over | 282 | 264 | 16 | 248 | 18 | 6.3 | 1,722 |
| Males |  |  |  |  |  |  |  |
| 16 years and over | 5.348 | 4.613 | 192 | 4.421 | 735 | 13.7 | 2,393 |
| 16 to 19 vears | 380 | 224 | 6 | 216 | 156 | 41.1 | 692 |
| 16 to 17 years | 126 | 70 | 3 | 68 | 54 | 42.9 | 452 |
| 18 to 19 years. | 254 | 152 | 4 | 149 | 102 | 40.2 | 240 |
| 20 to 24 vears | 840 | 637 | 21 | 615 | 204 | 24.3 | 248 |
| 25 to 54 years | 3.455 | 3,130 | 126 | 3.004 | 325 | 9.4 | 461 |
| 25 to 34 years | 1.526 | 1.347 | 42 | 1.305 | 178 | 11.7 | 160 |
| 35 to 44 years | 1.040 | 959 | 48 | 911 | 81 | 7.8 | 129 |
| 45 to 54 years | 889 | 824 | 36 | 789 | 66 | 7.4 | 170 |
| 55 to 64 years ... | 517 | 482 | 23 | 459 | 35 | 6.8 |  |
| 55 to 59 years | 324 | 314 | 10 | 304 | 10 | 3.1 | 137 |
| 60 to 64 years | 192 | 168 | 13 | 155 | 24 | 12.5 | 179 |
| 65 years and over | 156 | 141 | 16 | 125 | 15 | 9.6 | 676 |
| Females |  |  |  |  |  |  |  |
| 16 years and over | 4.988 | 4,371 | 21 | 4.350 | 617 | 12.4 | 4. 542 |
| 16 to 19 years | 390 | 231 | 2 | 230 | 159 | 40.7 | 750 |
| 16 to 17 years | 126 | 76 | -- | 76 | 51 | 40.1 | 449 |
| 18 to 99 vears ... | 264 | 156 | 2 | 154 | 108 | 41.0 | 311 |
| 20 to 24 years | 798 | 630 | 7 | 624 | 167 | 21.0 | 568 |
| 25 to 54 years ..... | 3.242 | 2.963 | 11 | 2.951 | 279 | 8.6 | 1.606 |
| 25 to 34 years | 1.476 | 1.303 | 4 | 1.299 | 173 | 11.7 | 652 |
| 35 to 44 years | 1.017 | 954 | 4 | 950 | 64 | 6.3 | 471 |
| 45 to 54 veers | 748 | 706 | 3 | 702 | 42 | 5.6 | 484 |
| 55 to 64 years. | 433 | 424 | 1 | 423 | 9 | 2.2 | 563 |
| 55 to 59 vears. | 284 | 277 | -- | 277 | 7 | 2.4 | 259 |
| 60 to 64 vears. | 149 | 147 | 1 | 146 | 3 | 1.8 | 304 |
| 65 years and over | 126 | 123 | -- | 123 | 3 | 2.0 | 1.046 |

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

A-6. Employment status of the noninstitutional population by race, sex, and age
[Numbers in thousands]

| Employment status and race | Totel |  | Males, 20 yaars and over |  | Females, 20 years and over |  | Both sexer, 16-19 years |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ |
| TOTAL |  |  |  |  |  |  |  |  |
| Total noninstitutional population | 162.633 | 165.298 | 69.476 | 70.792 | 76.440 | 77.890 | 16.717 | 16.616 |
| Total labor force . | 103.343 | 105.343 | 55.621 | 56,401 | 38.634 | 40.114 | 9.089 | 8.829 |
| Percent of population | 63.5 | 63.7 | 80.1 | 79.7 | 50.5 | 51.5 | 54.4 | 53.1 |
| Civilian labor force | 101,249 | 103.257 | 53,961 | 54.749 | 38,525 | 39.991 | 8.763 | 8,517 |
| Emploved | 94.765 | 96. 264 | 51,324 | 51,658 | 36.193 | 37.609 | 7. 248 | 6,997 |
| Agriculture | 2.796 | 2,836 | 2. 117 | 2,213 | 442 | 424 | 238 | 198 |
| Nonagricultural industries. | 91.969 | 93.428 | 49.207 | 49.445 | 35.751 | 37.185 | 7.011 | 6.798 |
| Unemployed | 6.484 | 6.993 | 2,637 | 3,091 | 2. 332 | 2.382 | 1.515 | 1.520 |
| Percent of labor force | 6.4 | 6.8 | 4.9 | 5.6 | 6.1 | 6.0 | 17.3 | 17.9 |
| Not in labor force. | 59.290 | 59.954 | 13.855 | 14.391 | 37.807 | 37.776 | 7.628 | 7.788 |
| White |  |  |  |  |  |  |  |  |
| Total nonins itutional popuiation | 142.493 | 144.570 | 61.500 | 62,560 | 66,877 | 68.016 | 14.116 | 13.995 |
| Total labo. force. | 90,883 | 92.649 | 49.493 | 50.153 | 33.341 | 34.663 | 8,049 | 7.833 |
| Pe cerst of population | 63.8 | 64.1 | 80.5 | 80.2 | 49.9 | 51.0 | 57.0 | 56.0 |
| Civilian inho force | 89.215 | 91.029 | 48.163 | 48.860 | 33.256 | 34.569 | 7,796 | 7,600 |
| Eriploved | 84.237 | 85.540 | 46.113 | 46.403 | 31.504 | 32.701 | 6,621 | 6.435 |
| Agriculture | 2.551 | 2.567 | 1.905 | 1.984 | 419 | 398 | 228 | 135 |
| Nonagricultural industries. | 81.687 | 82.972 | 44.208 | 44.419 | 31.085 | 32.303 | 6.394 | 6.250 |
| Unemploved | 4.978 | 5.490 | 2.051 | 2.457 | 1,752 | 1.868 | 1.175 | 1,165 |
| Percent of labor force | 5.6 | 6.0 | 4.3 | 2.0 | . 5.3 | 1.8.4 | 15.1 | 15.3 |
| Not in labor force . . | 51.610 | 51.921 | 12,007 | 12.406 | 33.536 | 33.353 | 6,067 | 6. 162 |
| Black and other |  |  |  |  |  |  |  |  |
| Total noninstitutional population | 20.140 | 20.727 | 7. 976 | 8. 232 | 9.564 | 9.874 | 2,601 | 2,622 |
| Total tabor force . . . . . . . . . . | 12.460 | 12.695 | 6,127 | 6,247 | 5. 293 | 5.451 | 1.040 | 996 |
| Percent of population | 61.9 | 61.2 | 76.8 5.797 | 75.9 | 55.3 | 55.2 | 40.0 | 38.0 |
| Civilian labor force ........ | 12.033 | 12.228 | 5.797 | 5.889 | 5.269 | 5.421 | 967 | 917 |
| Employed. . . . | 10.527 | 10.725 | 5.211 | 5. 255 | 4.689 | 4.908 | 627 | 562 |
| Agriculture . | 10.246 | . 269 | - 212 | - 229 | 4. 24 | 26 | 10 | 13 |
| Nonagricultural industries | 10.282 | 10.45E | 4.999 | 5. 026 | 4,666 | 4.881 | 617 | 549 |
| Unemployed . . . . . . . . . . | 1,506 | 1.503 | 586 | 634 | 579 | 513 | 340 | 355 |
| Percent of labor force | 12.5 | 12.3 | 10.1 | 10.8 | 11.0 | 9.5 | 35.2 | 138.8 |
| Not in labor force. | 7.680 | 8.033 | 1.849 | 1;985 | 4. 271 | 4.423 | 1.561 | 1.626 |

A-7. Employment status of the noninstitutional population $\mathbf{1 6 - 2 1}$ years of age by race and sex

| Employment status | Pebruary 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  |  | White |  |  | Bleck and other |  |  |
|  | $\underset{\substack{\text { Both } \\ \text { sexes }}}{ }$ | Males | Famales | Both sexes | Males | Fomales | Both sexes | Maler | Fomeles |
| total |  |  |  |  |  |  |  |  |  |
| Total noninstitutional population | 25.118 | 12.692 | 12.426 | 21.210 | 10.762 | 10.448 | 3.908 | 1,931 | 1,977 |
| Total lebor force. | 14.972 | 8.180 | 6,792 | 13,148 | 7. 200 | 5,948 | 1,824 | 980 | 844 |
| Percent of population. | 59.6 | 64.4 | 54.7 | 62.0 | 66.9 | 56.9 | 46.7 | 50.8 | 42.7 |
| Civilian labor force | 14.265 | 7.532 | 6.733 | 12.618 | 6,714 | 5.904 | 1.647 | 818 | 829 |
| Employed | 12.035 | 6.257 | 5.778 | 10.917 | 5.724 | 5,194 | 1.117 | 534 | 584 |
| Agriculture | 321 | 268 | 53 | 291 | 243 | 48 | 29 | 25 | 5 |
| Nonggricuitural industries | 11.714 | 5,989 | 5,725 | 10,626 | 5,480 | 5,146 | 1, 088 | 509 | 579 |
| Unemployed ....... | 2.230 | 1,275 | 955 | 1.701 | 990 | 710 | 529 | 284 | 245 |
| Looking for full-time work. | 1.361 | 805 | 556 | 1.004 | 603 | 400 | 358 | 202 | 156 |
| Looking for pertrtime work | 868 | 469 | 399 | 697 | 387 | 310 | 171 | 83 | 89 |
| Percent of labor force | 15.6 | 16.9 | 14.2 | 13.5 | 14.8 | 12.0 | 32.1 | 34.8 | 29.6 |
| Not in labor force. | 10.146 | 4.512 | 5.634 | 8,062 | 3,562 | 4,500 | 2,084 | 951 | 1,134 |
| Major activity: poing to rehool |  |  |  |  |  |  |  |  |  |
| Civilian lebor force. | 4.397 | 204 | 2.033 | 3.951 | 2.141 | 1,810 | 445 | 223 | 223 |
| Employed | 3.594 | 1.896 | 1.698 | 3,327 | 1,768 | 1,559 | 267 | 128 | 139 |
| Agriculture | 106 | 90 | 15 | 97 | 83 | 14 | 8 | 7 | 1 |
| Nonagricultural industries | 3.489 | 1.806 | 1.683 | 3.230 | 1.685 | 1.545 | 259 | 121 | 138 |
| Unemployed | 802 | 467 | 335 | 625 | 373 | 252 | 178 | 94 | 83 |
| Looking for full-time work. | 88 | 42 | 46 | 60 | 29 | 31 | 27 | 12 | 15 |
| Looking for parts time work | 715 | 426 | 289 | 564 | 344 | 221 | 150 | 82 | 68 |
| Percent of labor force. | 18.2 | 19.8 | 16.5 | 15.8 | 17.4 | 13.9 | 39.9 | 42.4 | 37.4 |
| Not in labor force. | 8.009 | 4.046 | 3.963 | 6.357 | 3. 206 | 3.151 | 1.652 | 840 | 812 |
| Major ectivitr: other |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 9.868 | 5,168 | 4.700 | 8.667 | 4,573 | 4.094 | 1. 201 | 595 | +06 |
| Employed | 8.440 | 4.361 | 4,079 | 7,591 | 3,956 | 3,635 | 850 | 406 | 444 |
| Agricuture .... | 215 | 177 | 38 | 194 | 160 | 34 | 21 | 18 | 3 |
| Nonagriculatural industries . | 8.225 | 4.184 | 4.042 | 7.397 | 3.796 | 3.601 | 829 | 388 | 441 |
| Unemployed | 1,428 | 807 | 620 | 1.076 | 617 | 459 | 352 | 190 | 162 |
| Looking for full-time work . | 1.274 | 764 | 510 | 943 | 574 | 369 | 331 | 189 | 141 |
| Looking for part-time work Percent of labor force . . . | 154 | 44 | 110 | 133 | 43 | 90 | 21 | 1 | 21 |
| Percent of labor force. | 14.5 | 15.6 | 13.2 | 12.4 | 13.5 | 11.2 | 29.3 | 31.9 | 26.7 |
| Not in labor force. | 2.137 | 466 | 1.671 | 1.705 | 355 | 1.349 | 432 | 111 | 321 |

A-8. Full- and part-time status of the civilian labor force by sex, age, and race
[Numbers in thousands]

| Race, sex, and ase | February 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Fulltime lebor force |  |  |  | Part-time itbor force |  |  |  |
|  |  | Employed |  | Unamployed (looking for fuH-time work! |  | Totel | Employed on voluntery pert time ${ }^{1}$ | Unemployed (looking for pert-time work) |  |
|  |  | Full. time cherodules ${ }^{1}$ | Part time for coonomic resesom | Number | Percont of full time lubor fores |  |  | Number | Percent of part-time wabor force |
| TOTAL |  |  |  |  |  |  |  |  |  |
| Both sexes, 16 years and over. | 86.971 | 77.994 | 3.490 | 5.493 | 6.3 | 16.280 | 14.780 | 1.500 | 9.2 |
| 16 to 21 years ............ | 8.392 | 6.331 | - 699 | 1,361 | 16.2 | 5.873 | 5.004 | 868 | 14.8 |
| 16 to 19 years | 3.905 | 2.727 | 396 | 781 | 20.0 | 4.613 | 3.874 | 739 | 16.0 |
| 16 to 17 years | 551 | 288 | 87 | 176 | 31.9 | 2.807 | 2. 308 | 499 | 17.8 |
| 18 to 19 years | 3.353 | 2.439 | 309 | 606 | 18.1 | 1.805 | 1.566 | 240 | 13.3 |
| 20 years and over | 83.072 | 75.267 | 3.094 | 4.712 | 5.7 | 11.668 | 10.907 | 761 | 6.5 |
| 20 to 24 years | 12.637 | 10.487 | 715 | 1.435 | 11.4 | 2. 360 | 2.139 | 221 | 9.4 |
| 25 years and over | 70.435 | 64.780 | 2.379 | 3.277 | 4.7 | 9.308 | 8.768 | 540 | 5.8 |
| 25 to 54 years | 58.465 | 53.660 | 1.904 | 2.902 | 5.0 | 6.409 | 5.998 | 410 | 6.4 |
| 55 years and over | 11.970 | 11.120 | 475 | 375 | 3.1 | 2.899 | 2.770 | 130 | 4.5 |
| Males, 16 years and over | 53.798 | 48.933 | 1. 568 | 3.297 | 6.1 | 5.441 | 4.818 | 627 | 11.5 |
| 16 to 21 years ........... | 4.631 | 3.516 | 310 | 805 | 17.4 | 2.901 | 2.431 | $46 \%$ | 16.2 |
| 16 to 19 years. | 2,155 | 1.559 | 175 | 420 | 19.5 | 2.335 | 1.926 | 409 | 17.5 |
| 20 years and over | 51.643 | 47.373 | 1.393 | 2.876 | 5.6 | 3. 106 | 2.892 | 214 | 6.9 |
| 20 to 24 years | 7.107 | 5.874 | . 321 | . 911 | 12.8 | 1.007 | . 914 | 94 | 9.3 |
| 25 years and over | 44.536 | 41.498 | 1.072 | 1.965 | 4.4 | 2.099 | 1.979 | 120 | 5.7 |
| 25 to 54 vears | 36,716 | 34. 174 | 826 | 1.715 | 4.7 | 844 | 788 | 56 | $\epsilon$. |
| 55 years and over. | 7,820 | 7.325 | 246 | 249 | 3.2 | 1.255 | 1. 191 | 64 | 5.1 |
| Females, 16 years and over. | 33.179 | 29.061 | 1.922 | 2. 196 | ' 6.6 | 10.839 | 9,962 | 877 | 8. 1 |
| 16 to 21 years.. | 3.761 | 2,815 | 389 | 556 | 14.8 | 2,972 | 2.573 | 399 | 13.4 |
| 16 to 19 years | 1.750 | 1.168 | 221 | 361 | 20.6 | 2.278 | 1.948 | 330 | 14.5 |
| 20 years and over | 31.429 | 27.894 | 1.700 | 1.835 | 5.8 | 8.561 | 8.015 | 547 | 6.4 |
| 20 to 24 years | 5,530 | 4,613 | 393 | 523 | 9.5 | 1,353 | 1,225 | 128 | 2.4 |
| 25 years and over | 25.899 | 23.282 | 1,307 | 1. 312 | 5.1 | 7,209 | 6.790 | 420 | 5.8 |
| 25 to 54 years | 21.750 | 19.486 | 1.078 | 1.187 | 5.5 | 5,565 | 5,211 | 354 | ¢. 4 |
| 55 years and over. | 4.149 | 3.796 | 229 | 125 | 3.0 | 1.644 | 1.579 | 65 | 4.0 |
| White |  |  |  |  |  |  |  |  |  |
| Males, 16 years and over. | 48,006 | 44.046 | 1. 363 | 2.597 | 5.4 | 4.889 | 4.377 | 512 | 10.5 |
| 16 to 21 years............. | 4.078 | 3.197 | 278 | 603 | 14.8 | 2.635 | 2.249 | 387 | 14.7 |
| 16 to 19 vears. | 1.924 | 1.443 | 159 | 322 | 16.7 | 2.111 | 1.781 | 330 | 15.6 |
| 20 years and over | 46.082 | 42.603 | 1. 204 | 2. 275 | 4.9 | 2,778 | 2.596 | 182 | 6.5 |
| 20 to 24 years | 6.229 | 5.238 | 285 | 706 | 11.3 | 904 | 823 | 82 | 9.0 |
| 25 vears and over | 39.852 | 37.364 | 920 | 1.568 | 3.9 | 1.874 | 1.774 | 101 | 5.4 |
| 25 to 54 years | 32.715 | 30.640 | 705 | 1.371 | 4.2 | 728 | . 685 | 43 | 5.9 |
| 55 years and over. | 7.136 | 6.725 | 216 | 197 | 2.8 | 1,146 | 1.089 | 57 | 5.0 |
| Females, 16 vears and over | 28.321 | 25.102 | 1. 567 | 1.653 | 5.8 | 9.814 | 9.085 | 729 | 7.4 |
| 16 to 21 years ............... | 3.232 | 2.489 | 343 | 400 | 12.4 | 2.672 | 2,362 | 310 | 11.6 |
| 16 to 19 years.. | 1,518 | 1.056 | 202 | 259 | 17.1 | 2,048 | 1.794 | 254 | 12.4 |
| 20 years and over | 26.804 | 24,046 | 1.364 | 1.393 | 5.2 | 7.766 | 7.291 | 475 | 6.1 |
| 20 to 24 years | 4.735 | 4.044 | 321 | 369 | 7.8 | 1. 222 | 1.116 | 106 | 8.7 |
| 25 years and over | 22.069 | 20.001 | 1.044 | 1,025 | 4.6 | 6.543 | 6,175 | 369 | 5.6 |
| 25 to 54 years | 18,338 | 16.562 | 866 | . 910 | 5.0 | 5.110 | 4,801 | 310 | 6.1 |
| 55 years and over | 3.731 | 3.439 | 177 | 115 | 3.1 | 1.433 | 1,374 | 59 | 4.1 |
| Black and other |  |  |  |  |  |  |  |  |  |
| Males, 16 years and oves | 5.792 | 4,887 | 205 | 700 | 12.1 | 553 | 441 | 111 | 20.1 |
| 16 to 21 years.. | 553 | 319 | 32 | 202 | 36.5 | 265 | 182 | 83 | 31.2 |
| 16 to 19 years.. | 231 | 116 | 16 | 98 | 42.6 | 224 | 145 | 79 | 35.2 |
| 20 years and over | 5.561 | 4. 771 | 189 | 602 | 10.8 | 328 | 296 | 32 | 9.8 |
| 20 to 24 years | 878 | 636 | 36 | 205 | 23.4 | 103 | 91 | 12 | 11.5 |
| 25 years and over | 4.683 | 4. 135 | 152 | 396 | 8.5 | 225 | 205 | 20 | 8.9 |
| 25 to 54 years | 3.999 | 3.534 | 121 | 344 | 8.6 | 116 | 103 | 13 | 11.2 |
| 55 years and over. | 684 | 601 | 31 | 52 | 7.6 | 109 | 102 | 8 | 7.3 |
| Females, 16 years and over | 4.858 | 3.960 | 355 | 543 | 11.2 | 1.025 | 877 | 148 | 14.5 |
| 16 to 21 vears............. | 529 | 326 | 47 | 156 | 29.5 | 300 | 211 | 89 | 29.6 |
| 16 to 19 years. | 232 | 111 | 19 | 101 | 43.8 | 230 | 153 | 76 | 33.2 |
| 20 years and over | 4.626 | 3.848 | 336 | 442 | 9.5 | 795 | 724 | 72 | 9.0 |
| 20 to 24 years | 795 | 569 | 72 | 154 | 19.4 | 130 | 109 | 22 | 16.7 |
| 25 years and over | 3.830 | 3.279 | 264 | 288 | 7.5 | 666 | 615 | 51 | 7.7 |
| 25 to 54 years | 3.411 | 2.923 | 212 | 277 | 8.1 | 455 | 411 | 44 | 9.7 |
| 55 years and over | 418 | 356 | 52 | 10 | 2.4 | 211 | 204 | 6 | 2.8 |

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

A-9. Employment statue of the noninstitutional population by family relationship
[Numbers in thousende]

| Family roiotionahip | February 1980 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civillon lebor foree |  |  |  |  | Not in labor foree |  |  |  |  |
|  | Total | Parcent of population | Employed | Unemployed |  | Total | Keppling houm | Colng to sahool | Unable to work | Other raserm |
|  |  |  |  | Number | Percont of labor force |  |  |  |  |  |
| Total, 16 years and over . . . . . . . . . . . | 103,257 | 63.3 | 96,264 | 6,993 | 6.8 | 59,954 | 31,763 | 9,608 | 2,801 | 15,783 |
| Husbencs ${ }^{1}$. | 40,925 | 80.9 | 39,257 | 1,668 | 4.1 | 9,688 | 183 | 229 | 1,135 364 | $8,141$ |
| With employed wife $\qquad$ | 21,173 | 91.8 | 20,406 | 766 | 3.6 11.9 | 1,903 | 37 2 | 100 | 364 34 | 1,383 62 |
| With unemployed wife . . . . . . . . . . . . . . . . | 1,206 | 92.1 | 1,063 | 143 | 11.9 | + 104 | 22 | 6 86 | 34 642 | 62 6,331 |
| With wife not in labor force . . . . . . . . . . . | 16,780 | 70.0 | 16,161 | 619 | 3.7 | 7,181 | 122 | 86 | 642 | 6,331 |
| Wives | 24,386 | 50.4 | 23,076 | 1,310 | 5.4 | 23,961 | 21,633 | 316 | 298 | 1,715 |
| With employed husband .......... . . . . | 21,469 | 57.1 | 20,406 | 1,063 | 5.0 | 16,161 | 15,039 | 265 | 93 | 765 |
| With unamployed husband . . . . . . . . . . . . | 910 | 59.5 | , 767 | 143 | 15.7 | . 619 | 576 | 13 | 11 | 18 |
| With husband not in labor force . . . . . . . . | 2,007 | 21.8 | 1,903 | 104 | 5.2 | 7,181 | 6,018 | 38 | 193 | 932 |
| Reletives in husbend-wife families . . . . . . . . . . | 13,454 | 58.8 | 11,662 | 1,791 | 13.3 | 9,432 | 1,240 | 6,475 | 373 | 1,345 |
| 10-19 yesrs . . . . . . . . . . . . . . . . . . . . . . . | 5,927 | 51.9 | 4,986 | 941 | 15.9 | 5,488 | 157 | 5,038 | 15 | 277 |
| 20-24 years . . . . . . . . . . . . . . . . . . . . . . | 4,858 | 73 " | 4,280 | 578 | 11.9 | 1,761 | 163 | 1,323 | 37 | 239 |
| 26 years and over . . . . . . . . . . . . . . . . . . | 2,669 | 5. | 2,396 | 272 | 10.2 | 2,183 | 920 | 114 | 321 | 829 |
| Women who head families . . . . . . . . . . . . | 5,100 | 58.6 | 4,645 | 455 | 8.9 | 3,596 | 2,821 | 144 1713 | 145 | 486 |
| Relatives in femele-headed families . . . . . . . . | 4,090 | 53.6 | 3,353 | 736 | 18.0 | 3,547 | 789 | 1,713 | 273 | 771 153 |
| $16-19$ years . . . . . . . . . . . . . . . . . . . . . . | 1,365 | 46.7 | 1,000 | 365 | 26.7 | 1,556 | 80 105 | $\begin{array}{r}1,313 \\ \hline 335\end{array}$ | 10 | 153 |
| 20-24 years . . . . . . . . . . . . . . . . . . . . . | 1,195 | 67.4 | . 965 | 230 | 19.2 | 577 1.414 | 105 | 335 | 11 252 | 125 493 |
| 26 years and over . . . . . . . . . . . . . . . . . | 1,530 | 52.0 | 1,388 | 141 | 9.2 | 1,414 | 604 | 65 | 252 | 493 |
| Persons not living in families? | 15,302 | 61.1 | 14,271 | 1,033 | 6.8 | 9,730 | 5,097 | 731 | 577 | 3,325 |

1 Includes a small numbar of singla, separated, widowed, or divorced men who hatd families.
${ }^{2}$ Individuals living slone or with unrelated percons plus a small number of pertons in secondery families.

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

| Merital stritus, sex, aga, and raee | Nulos |  |  |  | Femelen |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousench of parson: |  | Unemployment rates |  | Thousande of pertions |  | Unomployment rates |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| Total, 16 years and over. | 3.508 | 3.920 | 6.0 | 6.6 | 2.976 | 3,073 | 7.0 | 7.0 |
| Married, spouse present | 1.366 | 1.592 | 3.4 | 4.0 | 1. 297 | 1.373 | 5.4 | 5.6 |
| Whdowed, divorced, or reparated . . . . . . . . . . . . . . . . . . . . . . . . . . | 1325 | $\begin{array}{r}407 \\ \\ \hline\end{array}$ | 7.2 | 8. 5 | + 579 | . 584 | 7.3 | 7.0 |
| Single (nover murried) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1,817 | 1.922 | 13.0 | 13.3 | 1, 100 | 1.116 | 10.1 | 10.1 |
| White, 16 years and over | 2.734 | 3.109 | 5.2 | 5.9 | 2. 244 | 2.381 | 6.1 | 6.2 |
| Merried, spouse prosent | 1.139 | 1,375 | 3. 1 | 3.8 | 1.089 | 1,183 | 5.1 | 5.3 |
| Widowod, divorced, or seperated | 239 | 289 | 6.6 | 7.4 | 413 | 440 | 6.5 | 6.5 |
| Single (never merried) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1.356 | 1.445 | 11. 2 | 11.5 | 741 | 758 | 8.1 | 8.2 |
| Bleck and other, 16 yaars and over | 773 | 812 | 12.3 | 12.8 | 732 | 691 | 12.8 | 11.8 |
| Morried, apouse present . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 226 | 217 | 6.4 | 6.1 | 208 | 190 | 8.5 | 7.5 |
| Widowed, divorced, or separated . . . . . . . . . . . . . . . . . . . . . . . . . . | 86 | 118 | 9.7 | 13.6 | 166 | 144 | 10.6 | 8.8 |
| Single (never merried) . . . . . . . | 461 | 477 | 24.7 | 25.0 | 359 | 358 | 20.8 | 20.6 |
| Total, 20 to 64 years of app ............................ | 2.556 | 3.026 | 4.9 | 5.7 | 2.276 | 2.333 | 6.1 | 6.0 |
| Merried, spouse present . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1.290 | 1.512 | 3.4 | 4.0 | 1,210 | 1. 268 | 5.2 | 5.3 |
| Widowed, divorced, or saperated . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 301 | +393 | 7.1 | 8.7 | 531 | + 542 | 7.3 | 7.1 |
| Single (nover married) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 965 | 1,119 | 10.2 | 11.1 | 535 | 522 | 7.7 | 7.2 |
| White, 20 to 64 years of age | 1.979 | 2.414 | 4. 3 | 5.1 | 1.708 | 1.821 | 5.3 | 5.4 |
| Merried, spoune presant . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1.071 | 1.314 | 3. 1 | 3.8 | 1.011 | 1.092 | 4.9 | 5.1 |
| Widownd, divorced, or separated | 218 | 279 | 6.4 | 7.6 | 379 | 403 | 6.6 | 6.6 |
| Single (never married) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 690 | 819 | 8.5 | 9.5 | 318 | 328 | 5.6 | 5.5 |
| Breets and ottrer, 20 to 84 yoars of ape . . . . . . . . . . . . . . . . . . . | 578 | 612 | 10.3 | 10.7 | 567 | 510 | 11.1 | 9.6 |
| Merried, ipoune present . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 219 | 198 | 6.4 | 5.8 | 199 | 176 | 8.4 |  |
| Widowed, divorced, or seperated . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 84 | 114 | 9.9 | 13.7 | 152 | 139 | 10.4 | 9.0 |
| Single (never married) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 274 | 301 | 20.1 | 20.5 | 217 | 194 | 16.8 | 14.9 |

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

| Occupation | Thoustends of perroms |  | Unemployment rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  | Mown |  | Fomates |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Yeb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | Feb. <br> 1980 |
| Total, 16 years and over | 6.484 | 6,993 | 6.4 | 6.8 | 6.0 | 6.6 | 7.0 | 7.0 |
| White-collar workers | 1.761 | 1.837 | 3.5 | 3.5 | 2.4 | 2.3 | 4.4 | 4.6 |
| Protessional and technieal | 347 | 334 | 2.2 | 2.1 | 1.8 | 1.8 | 2.8 | 2.4 |
| Managers and administrators, except farm . | 223 | 265 | 2.1 | 2.4 | 1.7 | 1.8 | 3.5 | 3.9 |
| Sales workers | 307 | 335 | 4.9 | 5.2 | 3.9 | 3.8 | 6.2 | 7.0 |
| Clerical workers | 884 | 902 | 4.8 | 4.8 | 3.8 | 2.9 | 5.1 | 5.3 |
| Blue-collar workers | 2.797 | 3.286 | 8.3 | 9.7 | 7.8 | 9.3 | 10.5 | 11.3 |
| Craft and kindred workers | 849 | 900 | 6.4 | 6.8 | 6.4 | 6.9 | 5.9 | 5.1 |
| Carpenters and other construction craft | 479 | 505 | 11.9 | 12.5 | 11.8 | 12.4 | (1) | (1) |
| All other . . . . . . . . . | 370 1.070 | +395 | 4.0 | 4.3 | 3.9 | 4.3 | 5.4 | 4.3 |
| Operatives, except transport . | 1.070 | 1.250 | 9.1 | 10.7 | 7.3 | 9.3 | 11.8 | 12.8 |
| Transport equipment operatives | 246 | 329 | 6.5 | 8.6 | 6.8 | 9.9 | 3.4 | 4.9 |
| Nonferm laborers . . . . . . . . . | 633 | 807 | 13.0 | 16.0 | 13.4 | 16.5 | 10.4 | 11.6 |
| Construction laborers. | 274 | 287 | 28.0 | 27.6 | 28.0 | 27.1 | (1) | (1) |
| All other . | +359 | +520 | 9.2 | 13.0 | 9.2 | 13.4 | 9.7 | 10.0 |
| Service workers | 1.043 | 1,001 | 7.6 | 7.2 | 7.5 | 7.7 | 7.7 | 6.9 |
| Private household | 55 | 46 | 4.6 | 4.1 | (1) | (1) | 4.5 | 4.2 |
| All ower | 988 | 954 | 7.9 | 7.5 | 7.5 | 7.8 | 9.2 | 7.3 |
| Ferm worters . . . . . . . | 122 | 137 | 5.0 | 5.5 | 3.9 | 4.3 | 10.7 | 12.4 |
| No previcus work experience | 761 | 732 | -- | -- | -- |  | -- | 1 |
| 16 to 19 years.... | 544 | 538 | -- | -- | -- | -- | -- | -- |
| 20 to 24 years .. 25 years and over | 127 90 | 128 66 | -- | -- | -- | -- | -- | -- |
|  |  |  |  |  |  |  |  |  |

1 Percent not shown where base is toss than $\mathbf{7 5 , 0 0 0}$.

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

| Industry | Percont distribution |  | Unemployment rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Toud |  | Malos |  | Femules |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Fek. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| Total, 16 years and over. | 100.0 | 100.0 | 6.4 | 6.8 | 6.0 | 6.6 | 7.0 | 7.0 |
| Nonagricultural private wige and selary workers | 75.8 | 77.0 | 6.6 | 7.1 | 6.3 | 7.1 | 7.0 | 7.0 |
| Mining | 1.0 | . 8 | 7.1 | 6.3 | 7.8 | 7.0 | -- | 1.3 |
| Construction . | 13. 1 | 12. 1 | 17.5 | 17.1 | 18.1 | 17.9 | 10.6 | 6.5 |
| Manufacturing | 19.7 | 24.5 | 5.6 | 7.4 | 4.3 | 6.3 | 8.5 | 9.8 |
| Durable goods | 10.3 | 14.5 | 4.9 | 7.2 | 4.1 | 6.6 | 7.2 | 9.0 |
| Lumber and wood products | . 6 | 1. 1 | 5.9 | 12.2 | 4.5 | 13.1 | 14.6 | 6.1 |
| Furniture and fixtures | 1.0 | . 5 | 9.9 | 6.7 | 11.3 | 5.8 | 7.5 | 8.6 |
| Stone, cloy, and glass products | . 7 | 1.0 | 6.3 | 9.4 | 6.7 | 8.4 | 4.4 | 13.5 |
| Primary metal industries. | . 5 | 1.6 | 2.7 | 8.4 | 2.3 | 7.8 | 5.4 | 12.4 |
| Fabricated metal products | 1.3 | 2.0 | 5.7 | 8.3 | 5.4 | 6.7 | 6.8 | 14.2 |
| Mechinery, except electricel equipment | 1. 1 | 1.5 | 2.7 | 3.6 | 2.1 | 3.7 | 4.9 | 3.2 |
| Electrical equipment . . . . . . . . . . | 1.8 | 1.5 | 5.1 | 4.4 | 3.4 | 2.7 | 7.2 | 6.4 |
| Transportation equipment | 1.9 | 3.9 | 5.2 | 11.8 | 4.9 | 10.8 | 7.0 | 16.3 |
| Automobiles | 1.2 | 3.1 | 6.1 | 17.2 | 5.8 | 15.7 | 7.6 | 24.2 |
| Other trensportation equipment | . 6 | . 8 | 4.0 | 5.1 | 3.6 | 4.8 | 6.2 | 6.5 |
| Instruments and retated products. | . 3 | . 4 | 3.6 | 4.3 | . 8 | 2.1 | 6.8 | 7.1 |
| Other durable goods industries. . . | 1.0 | . .9 | 8.3 | 8.5 | 6.1 | 4.8 | 11.6 | 13.6 |
| Nondurable goods . . . . . . . . . . | 9.4 | 10.0 | 6.8 | 7.7 | 4.8 | 5.7 | 9.7 | 10.5 |
| Food and kindred products | 2.2 | 2.6 | 7.6 | 10.0 | 5.0 | 7.0 | 13.4 | 16.2 |
| Textile mill products | 1. 2 | -9 | 9.2 | 7.4 | 7.3 | 4.5 | 11.3 | 10.5 |
| Apparsl and ottier textile products | 2.2 | 2.0 | 10.5 | 10.3 | 12.8 | 10.3 | 9.9 | 10.3 |
| Paper and allied products . . . . . . | . 5 | . 7 | 4.3 | 6.6 | 4.2 | 6.2 | 4.5 | 7.6 |
| Printing and publidhing ... | 1.2 | 1.5 | 5. 2 | 6.6 | 4.4 | 5.6 | 6.6 | 8.2 |
| Chemicals and allied products | . 4 | 1.0 | 2.0 | 5.0 | 1.3 | 4.1 | 4.0 | 7.0 |
| Rubber and plastics products | - 9 | . 7 | 7.0 | 6.7 | 3.0 | 4.7 | 13.6 | 9.9 |
| Other nondurable goods indurtries | -9 | . 6 | 8.9 | 7.5 | 7.8 | 4.2 | 11.5 | 11.8 |
|  | 3.1 | 4.0 | 3.8 | 5.1 | 3.8 | 5.4 | 3.8 | 4. 1 |
| Railroads and railwey express | -3 | . 4 | 3.4 | 4.4 | 3.4 | 4.5 | (1) | (1) |
| Other transportation ....... | 2.2 | 2.7 | 5.5 | 7.3 | 5.6 | 7.7 | 5.1 | 5.5 |
| Communication and other public utilities | .6 | . 9 | 1.9 | 2.8 | 1.3 | 2.5 | 2.9 | 3.4 |
| Wholesale and retail urade | 21.7 | 20.0 | 7.6 | 7.5 | 6.3 | 6.2 | 9.0 | 8.9 |
| Finence, insurence, and real ertate | 2.6 | 2.8 | 3.1 | 3.6 | 2.3 | 3.0 | 3.7 | 4.0 |
| Service industries | 14.7 | 12.7 | 5.6 | 5.2 | 5.6 | 5.4 | 5.6 | 5.0 |
| Professional services . | 6.5 | 5.0 | 4.3 | 3.4 | 3.3 | 2.6 | 4.7 | 3.7 |
| All other service industries | 8.1 | 7.7 | 7.6 | 7.9 | 7.9 | 8.1 | 7.3 | 7.6 |
| Agricultural wege and salery workers | 2.5 | 2.5 , | 12.4 | 13.3 | 9.9 | 11.3 | 22.6 | 21.8 |
| All other clases of workers . . | 9.9 | 10.0 | 2.6 | 2.8 | 2.2 | 2.6 | 3.1 | 3.0 |
| No provious work experience : | 11.7 | 10.5 | - | - | -- | - | -- |  |

1 Percent not shown where bese is texs than 75,000.

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

| Reaton for unemployment | Total unemploved |  | $\begin{gathered} \text { Males, } 20 \text { years } \\ \text { and over } \end{gathered}$ |  | Females, 20 years and over |  | Both sexes, 16 to 19 yeers |  | White |  | Bleck and other |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Fet. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | Fe:. $1980$ |
| UNEMPLOYMENT LEVEL |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployed, in thousands. | 6,484 | 6.993 | 2.637 | 3.091 | 2.332 | 2,382 | 1.515 | 1.520 | 4,978 | 5,490 | 1,506 | 1,503 |
| Job losers. | 3, 106 | 3,643 | 1.793 | 2.226 | 909 | 1.007 | 404 | 410 | 2.426 | 2,914 | 680 | 72 ? |
| On layoff. | 1.154 | 1.530 | 677 | 1.025 | 339 | 407 | 138 | 99 | 960 | 1,306 | 195 | 224 |
| Other job losers | 1.952 | 2. 113 | 1.116 | 1.201 | 570 | 600 | 266 | 311 | 1,466 | 1,608 | 485 | 505 |
| Job leavers...... | 819 | 805 | 298 | 324 | 349 | 333 | 171 | 148 | 670 | . 663 | 149 | 142 |
| Reentrants. | 1.800 | $\begin{array}{r}1.814 \\ \hline\end{array}$ | 472 | 480 | 930 | 909 | 397 | 425 | 1,359 | 1,416 | 441 | 399 |
| New entrants | 759 | 730 | 74 | 81 | 143 | 133 | 543 | 537 | ${ }^{1} 23$ | 497 | 236 | 233 |
| percent distribution |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployed. | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Job losers.. | 47.9 | 52.1 | 68.0 | 72.1 | 38.9 | 42.3 | 26.6 | 27.0 | 48.8 | 53.1 | 45.1 | 48.5 |
| On layoff... | 17.8 | 21.9 | 25.7 | 33.2 | 14.5 | 17.1 | 9.1 | 6.5 | 19.3 | 23.8 | 12.9 | 14.9 |
| Other job losers. | 30.1 | 30.2 | 42.3 | 38.9 | 24.4 | 25.2 | 17.5 | 20.5 | 29.5 | 29.3 | 32.2 | $\underline{2} 2.6$ |
| Job leavers. | 12.6 | 11.5 | 11.3 | 10.5 | 15.0 | 14.0 | 11.3 | 9.7 | 13.5 | 12.1 | 9.9 | - 4 |
| Reentrants.. | 27.8 | 25.9 | 17.9 | 15.5 | 39.9 | 38.2 | 26.2 | 28.0 | 27.3 | 25.8 | 29.3 | 26.5 |
| New entrants | 11.7 | 10.4 | 2.8 | 2.0 | 6.1 | 5.6 | 35.8 | 35.3 | 10.5 | 9.1 | 15.7 | 15.5 |
| UNEMPLOYMENT RATE |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployment rate | 6.4 | 6.8 | 4.9 | 5.6 | 6.1 | 6.0 | 17.3 | 17.9 | 5.6 | 6.0 | 12.5 | 12.3 |
| Job loser rate ${ }^{1}$... | 3.0 | 3.5 | 3.4 | 4.1 | 2.4 | 2.5 | 4.6 | 4.9 | 2.7 | 3.2 | 5.6 | 5.9 |
| ${ }_{\text {Job leaver rate }}{ }^{1} \ldots$ | . 8 | . 8 | .6 | . 6 | . 9 | . 8 | 2.0 | 1.7 | . 8 | . 7 | 1.2 | 1.? |
| Reentrant rate ${ }^{\text {d }}$. 1 | 1.8 | 1.8 | - 9 | . 9 | 2.4 | 2.3 | 4.5 | 5.0 | 1.5 | 1.6 | 3.7 | 3.3 |
| New entrant rate ${ }^{1}$. | . 8 | - 7 | - 1 | . 1 | . 4 | . 3 | 6.2 | 6.3 | . 6 | . 5 | 2.0 | 1.6 |

1 Unemployment rates are calculated as a percent of the civilian labor force.

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

| [Percent distribution] |
| :--- |

1 Percent not shown where base is less than $\mathbf{7 5 , 0 0 0}$.

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

| Sex, ane, and rece | February 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thoumande of perrone |  |  |  |  |  |  |  | Avmeps number of metinem uned |
|  | Total unam ployed | $\begin{aligned} & \text { Toted } \\ & \text { job- } \\ & \text { menters } \end{aligned}$ | $\begin{aligned} & \text { Publia } \\ & \text { enviler- } \\ & \text { mant } \\ & \text { agnoy } \end{aligned}$ |  | Employer |  |  | Outer |  |
| Total, 16 years and over. | 6.993 | 5.367 | 27.5 | 6.2 | 70.0 | 32.0 | 14.1 | 7.1 | 1. 57 |
| 16 to 19 years .......... | 1.520 | 1.402 | 18.1 | 2.8 | 76.0 | 28.0 | 12.9 | 7.1 | 1.45 |
| 20 to 24 yeens | 1.656 | 1.302 | 32.4 | 6.7 | 68.7 | 34.4 | 13.3 | 4.8 | 1.60 |
| 25 to 34 years . . . . . . . . . | 1.772 | 1.250 | 31.8 | 7.8 | 69.5 | 32.7 | 16.1 | 8.2 | 1.66 |
| 35 to 44 yeurs . . . . . . . . | 881 | 599 | 28.9 | 8.3 | 63.8 | 38.4 | 14.9 | 7.2 | 1.61 |
| 46 to 64 yamis . . . . . . . . | 660 | 458 | 29.3 | 7.6 | 68. 3 | 31.7 | 14.0 | 8.3 | 1.59 |
| B6 to 64 yeert ... | 389 | 274 | 26.3 | 8.0 | 65.3 | 27.7 | 14.2 | 10.9 | 1.53 |
| 65 years and ower . . . . . . | 114 | 83 | 26.5 | 2.4 | 63.9 | 24.1 | 12.0 | 3.6 | 1.33 |
| Alines, 16 vears and over. . | 3.920 | 2.789 | 31.0 | 6.1 | 70.7 | 30.4 | 16.4 | 9.5 | 1.64 |
| 18 to 18 yeers .......... | 830 | 751 | 17.2 | 2.8 | 76.0 | 27.2 | 16.4 | 7.7 | 1.47 |
| 20 to 24 years . ......... | 1.005 | 736 | 36.0 | 5.7 | 68.1 | 34.8 | 16.2 | 6.3 | 1.67 |
| 28 to 34 vears . . . . . . . . . | 960 | 577 | 38.5 | 9.4 | 69.8 | 32.4 | 18.0 | 11.4 | 1.80 |
| 35 to 44 years . . . . . . . . . . | 465 | 288 | 36.8 | 10.4 | 68.4 | 34.0 | 16.3 | 11.1 | 1.77 |
| 45 to 84 years . . . . . . . . . . | 347 | 219 | 37.9 | 5.5 | 71.7 | 20.5 | 16.0 | 14.6 | 1.66 |
| 88 to 64 yourt . . . . . . . . . | 249 | 169 | 27.2 | 5.3 | 65.7 | 29.0 | 14.2 | 16.6 | 1.58 |
| \%\% vears and over. | 65 | 50 | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Fammes, 16 years and over | 3.073 | 2.579 | 23.7 | 6.3 | 69.2 | 33.7 | 11.6 | 4.5 | 1.49 |
| 16 to 19 years . . . . . . . . . | 691 | 651 | 19.2 | 2.8 | 76.0 | 28.9 | 8. 9 | 6.3 | 1.42 |
| 20 to 24 years ........... | 651 | 566 | 27.7 . | 8.0 | 69.6 | 33.9 | 9.5 | 3.0 | 1. 52 |
| 25 to 34 -years | 812 | 673 | 26. 2 ' | 6.4 | 69.2 | 33.0 | 14.4 | 5.5 | 1.55 |
| 35 to 44 yoars | 416 | 310 | 21.6 | 6.5 | 59.7 | 42.6 | 13.5 | 3.5 | 1.47 |
| 45 to 54 years | 313 | 239 | 21.3 | 10.0 | 65.3 | 41.8 | 12.1 | 2.5 | 1.53 |
| E5 to 64 years .. | 141 | 105 | 24.8 | 13.3 | 64.8 | 26.7 | 15. 2 | 1.9 | $1.47$ |
| 85 yeers and over | 49 | 33 | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| White, 16 years and over | 5,490 | 4. 107 | 26.2 |  | 70.6 | 34.6 | 13.6 | 6.8 | 1.58 |
| Males | 3.109 | 2.141 | 29.1 | 6.4 | 72.1 | 32.1 | 15.8 | 9.4 | 1.65 |
| Females | 2.381 | 1.966 | 22.9 | 6.8 | 69.0 | 37.3 | 11.2 | 4.0 | 1. 51 |
| Bleck and other, 16 years and over . . . . . . . . . . . . | 1,503 | 1.260 | 31.8 | 4.9 | 67.9 | 23.7 | 15. 8 | 7.9 | 1. 52 |
| Males | 812 | . 647 | 37.2 | 4.9 | 66.2 | 25.0 | 18.5 | 9.6 | 1.62 |
| Females | 691 | 613 | 26.1 | 4.9 | 69.8 | 22.5 | 12.9 | 6.0 | 1.42 |

1 Percent not shown where bece is less than 76,000 .
walting to begin anew wage and salary job within 30 days are not sctually meking jobs. It should also be noted that the percent using each method will alwoys total more then 100 because many jobserkers use more than one method.

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

| 8ex and romon | February 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thourends of persons |  | Mouthote und esa peronet of total jobreokars |  |  |  |  |  | Average number of und |
|  | Toten nnem. ployed | $\begin{aligned} & \text { Toten } \\ & \text { job- } \\ & \text { mothers } \end{aligned}$ | Prbile empley. numb cinver | Privite employ. mont remey | Enployw drouth | or anamored | $\begin{aligned} & \text { Friende } \\ & \text { or } \\ & \text { roletive } \end{aligned}$ | Owne |  |
| Total, 16 yours and over | 6.993 | 5,367 | 27.5 | 6.2 | 70.0 | 32.0 | 14.1 | 7.1 | 1.57 |
| dob lovers .............. | 3.643 | 2.129 | 34.2 | 6.3 | 71.1 | 32.5 | 15.4 | 8.3 | 1.68 |
| bob lomers ............. | 805 | 801 | 30.0 | 7.6 | 71.4 | 37.1 | 17.9 | 3.7 | 1.68 |
| Reontrans . . . . . . . . . . | 1.814 | 1.715 | 22.3 | 6.8 | 65.4 | 31.9 | 12.0 | 8.2 | 1.47 |
| Now entrents | 730 | 723 | 17.0 | 2.8 | 75.9 | 25.4 | 10.9 | 4.3 | 1.36 |
| Males, 18 years and over | 3.920 | 2.789 | 31.0 | 6.1 | 70.7 | 30.4 | 16.4 | [9,5 | 1.64 |
| toblosers . . . . . . . . . . . | 2.492 | 1.413 | 36.3 | 6.4 | 72.0 | 31.0 | 16.3 | to. 7 | 1.73 |
| Sob lowers. | 392 | 399 | 31.3 | 6.3 | 73.2 | 37.1 | 20.3 | 3.8 | 1.72 |
| Ramitrmis .. | 715 321 | 661 | 26.8 | 7.1 | 66.0 | 27. 1 | 13.5 | 12.4 | 1.53 |
| Now entrents | 321 | 317 | 15.5 | 2.2 | 71.3 | 26.8 | 18.3 | 5.0 | 1.39 |
| Fomelea, 10 yasrs and ovor | 3.073 | 2.579 | 23.7 | 6.3 | 69.2 | 33.7 | 11.6 | 4.5 | 1.49 |
| tob lovers . . . . . . . . . . . . . | 1. 151 | 716 | 30.0 | 6.0 | 69.4 | 35.5 | 13.7 | 3.6 | 1.58 |
| Job lommers . . . . . . . . . . . | + 413 | . 403 | 28.5 | 9.2 | 69.5 | 37.0 | 15.4 | 3.5 | 1.63 |
| Ruentrants ............. | 1.099 | 1,054 | 19.6 | 6.6 | 65.1 | 34.9 | 11.1 | 5.6 | 1.43 |
| Now ontrents ...... | 409 | 406 | 18.2 | 3.2 | 79.6 | 24.4 | 5.4 | 3.7 | 1.34 |

NOTE: Sen note, table A-16.

A-77. Unemployed persons by duration of unemployment

| Duration of unemploymem | Tetal |  |  |  | Full-time workers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousanct of persoms |  | Prespe diftritation |  | Thousants of persona |  | Peroome ctistribution |  |
|  | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| Total, 16 yeers and over . . . . . . . . . | 6.484 | 6.993 | 100.0 | 100.0 | 5.030 | 5.493 | 100.0 | 100.0 |
| Less than 5 weeks . . . . . . . . . . . . . . . . . | 2.683 | 2.878 | 41.4 | 41.2 | 1.855 | 2.030 | 36.9 | 37.0 |
| 6 to 14 weoks .................. | $\begin{aligned} & 2.393 \\ & 1.797 \end{aligned}$ | 2.653 | 36.9 | 37.9 | $1.986$ | 2.192 | 39.5 | 39.9 |
| 5 to 10 wreks |  | $\begin{array}{r} 1.967 \\ 685 \end{array}$ | 27.7 | 28.1 |  | 1.597 | 29.4 | 29.1 |
| 11 to 14 weoks | 1.797 596 |  | 9.2 | 9.8 | $\begin{array}{r} 1.477 \\ 508 \end{array}$ | . 594 | 10. 1 | 10.8 |
| 15 weeks and over. | 1.407847 | 1.462 | 21.7 | 20.9 | $\begin{array}{r} 508 \\ 1.190 \\ 693 \end{array}$ | 1.270 | 23.7 | 23.1 |
| 16 to 26 woeks . . . . |  | $\begin{aligned} & 946 \\ & 516 \end{aligned}$ | 13.1 | 13.5 |  | 811 | 13.8 | 14.8 |
| 27 weeks and over. | 560294 |  | 8.6 | 7.4 | $\begin{aligned} & 497 \\ & 256 \end{aligned}$ | $\begin{aligned} & 459 \\ & 264 \end{aligned}$ | $\begin{aligned} & 9.9 \\ & 5.1 \end{aligned}$ | 8.4 |
| 27 to 51 weeks .. |  | 291225 | $\begin{aligned} & 4.5 \\ & 4.1 \end{aligned}$ | $\begin{aligned} & 4.2 \\ & 3.2 \end{aligned}$ |  |  |  | 4.8 |
| 62 weeks and over | 266 |  |  |  | $\begin{aligned} & 256 \\ & 241 \end{aligned}$ | $195$ | 4.8 | 3.5 |
| Average (mesn) duration, in weeks . | $\begin{array}{r} 11.3 \\ 6.8 \end{array}$ | $\begin{array}{r} 10.7 \\ 6.7 \end{array}$ | -- | -- | $\begin{array}{r} 12.3 \\ 7.6 \end{array}$ | $\begin{array}{r} 11.5 \\ 7.6 \end{array}$ | -- | -- |
| Median duration, in weoks ........ |  |  |  |  |  |  |  |  |

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

| Sex, app, race, and merital matua | Thousandi of persons |  |  |  |  | Average (maen) duration, in weoks | Medion duration, in mooks | Lest than 5 weoks as a percent of ummeloyed in group |  | 15 woeke and over as a percent of unemployed in group |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Lost than 5 woels | 5 to 14 weots | 15 to 26 weiks | 27 moeks and over |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Yeb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| Total, 16 years and over | 6.993 | 2.878 | 2.653 | 946 | 516 | 10.7 | 6.7 | 41.4 | 41.2 | 21.7 | 20.9 |
| 16 to 21 vears | 2. 230 | 1.040 | 842 | 244 | 104 | 8.8 | 5.6 | 46.3 | 46.6 | 16.8 | 15.6 |
| 16 to 19 vears | 1.520 | 749 | 544 | 171 | 57 | 8.1 | 5. 1 | 48.4 | 49.3 | 16.7 | 15.0 |
| 20 to 24 years | 1.656 | 656 | 683 | 205 | 113 | 10.6 | 6.6 | 42.2 | 39.6 | 19.7 | 19.2 |
| 25 to 34 years | 1.772 | 712 | 676 | 267 | 117 | 10.6 | 7.0 | 41.2 | 40.2 | 22.0 | 21.7 |
| 35 to 44 years | 881 | 353 | 315 | 125 | 89 | 12.0 | 7.2 | 38.1 | 40.0 | 26.6 | 24.2 |
| 45 to 54 years | 660 | 244 | 260 | 96 | 60 | 12.1 | 7.6 | 33.6 | 37.0 | 28.2 | 23.6 |
| 55 to 64 years | 389 | 108 | 145 | 69 | 66 | 16.5 | 10.3 | 30.9 | 27.8 | 28.7 | 34.9 |
| 65 years and over. | 114 | 56 | 31 | 12 | 15 | 12.7 | 5.4 | 41.0 | 49.0 | 18.8 | 23.6 |
| Males, 16 years and over 16 to 21 years . . . . . . . . | 3.920 1.275 | 1.432 568 | 1.606 497 | 567 152 | 316 57 | 11.5 | 7.6 | 35.9 | 36.5 | 23.4 | 22.5 |
| 16 to 21 years 16 to 19 years | 1.275 830 | 568 398 | 497 301 | 152 | 57 25 | 9.0 8.1 | 6.0 5.4 | 44.1 45.8 | 44.6 47.9 | 17.8 | 16.4 15.9 |
| 20 to 24 years | 1.005 | 359 | 445 | 127 | 74 | 11.0 | 7.1 | 45.8 | 47.9 35.7 | 16.8 20.9 | 16.9 20.0 |
| 25 to 34 years | 960 | 322 | 409 | 157 | 73 | 11.7 | 8.2 | 31.9 | 33.5 | 25.4 | 23.9 |
| 35 to 44 years | 465 | 152 | 189 | 72 | 51 | 13.0 | 8.4 | 27.5 | 32.7 | 29.7 | 26.6 |
| 45 to 54 years | 347 | 113 | 148 | 53 | 33 | 13.2 | 8.4 | 25.9 | 32.7 | 30.4 | 24.7 |
| 55 to 64 years | 249 | 59 | 96 | 44 | 49 | 17.9 | 10.9 | 27.1 | 23.6 | 30.0 | 37.8 |
| 65 years and over. . | 65 | 29 | 18 | 7 | 11 | 12.6 | 6.4 | 26.4 | (1) | 22.4 | (1) |
| Fommes, 16 years and over | 3.073 | 1.446 | 1.047 | 380 | 200 | 9.8 | 5.6 | 47.9 | 47.0 | 19.7 | 18.9 |
| 18 to 21 years ............ | 955 | 471 | 345 | 92 | 47 | 8.4 | 5.1 | 49.1 | 49.3 | 15.5 | 14.6 |
| 16 to 19 years | 691 | 352 | 243 | 64 | 32 | 8.1 | 4.9 | 52.0 | 50.9 | 16.5 | 13.9 |
| 20 to 24 years | 651 | 297 | 237 | 79 | 38 | 9.9 | 5.8 | 44.4 | 45.6 | 18.2 | 18.0 |
| 25 to 34 years | 812 | 390 | 267 | 111 | 44 | 9.4 | 5.4 | 50.8 | 48.0 | 18.4 | 19.1 |
| 35 to 44 years | 416 | 201 | 125 | 53 | 37 | 10.9 | 5.4 | 47.8 | 48.2 | 23.8 | 21.7 |
| 45 to 54 years ................. | 313 | 131 | 112 | 43 | 27 | 10.9 | 6.6 | 42.6 | 41.8 | 25.6 | 22.5 |
| 55 to 64 years.... | 141 | 49 | 49 | 25 | 17 | 13.9 | 8.7 | 36.6 | 35.2 | 26.8 | 29.7 |
| 65 years and over | 49 | 27 | 14 | 5 | 4 | 12.8 | 4.6 | (1) | (1) | (1) | (1) |
| White, 16 years and over. . . . | 5.490 | 2. 260 | 2. 129 | 737 | 364 | 10.4 | 6.5 | 42.9 | 41.2 | 20.2 | 20.1 |
| Males | 3. 109 | 1,119 | 1.326 | 445 | 219 | 11.1 | 7.5 | 37.6 | 36.0 | 21.6 | 21.4 |
| Females | 2.381 | 1.141 | 804 | 293 | 144 | 9.6 | 5.4 | 49.4 | 47.9 | 18.5 | 18.3 |
| Bleck and other, 16 years and over. . | 1.503 | 618 | 523 |  | 153 | 11.9 | 7.2 | 36.5 | 41.1 | 26.6 | 24.1 |
| Males ... | 812 | 313 | 280 | 122 | 97 | 13.0 | 7.7 | 29.8 | 38.6 | 29.6 | 26.9 |
| Fernales | 691 | 305 | 243 | 87 | 56 | 10.7 | 6.6 | 43.4 | 44.1 | 29.6 23.5 | 20.7 |
| Mmine, 16 years and over: Merried, spouse present . . . | 1.592 | 527 | 680 | 260 | 126 | 11.9 | 8.4 | 31.4 | 33.1 | 23.2 | 24.2 |
| Widowed, divorced, or separated $\qquad$ | 407 | $127$ | 170 | $51$ | $59$ | 13.9 | 8.6 | 30.7 | 31.2 | 28.7 | 27.0 |
| Single (never married) | 1.922 | 778 | 756 | 255 | 132 | 10.6 | 6.7 | 40.1 | 40.5 | 22.6 | 20.1 |
| Females, 16 years and over: Merried, spouse present . . . . . . | 1.373 | 677 | 444 | 171 | 81 | 9.3 | 5.1 | 50.7 | 49.3 | 19.4 | 18.4 |
| Widowed, divorced, or separated | 584 | 242 | 200 | 94 | 49 | 11.6 | 5.1 7.0 | 50.7 45.3 | 49.3 41.4 | 19.4 21.5 | 18.4 24.4 |
| Single (never married) | 1. 116 | 527 | 404 | 115 | 70 | 11.6 9.5 | 5. 5 | 45.3 46.0 | 41.4 47.2 | 21.5 19.2 | $\begin{aligned} & 24.4 \\ & 16.6 \end{aligned}$ |

' Percemt not shown where base is lese then 78,000 .

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

| Oecupetion and inchatry | Thousends of persome |  |  |  |  | Averap (mema) duration. in weols | duretion, ins weoks | Les than 5 moela mo peroent of unomployed in group |  | 15 molas and own $\omega$ a parownt of unemployed in froup |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Toral | Less than 5 meoks | 5 to 14 <br> mooks | 15 to 28 menta | 27 mools and owr |  |  |  |  |  |  |
|  | Fwram, 1\%\% |  |  |  |  |  |  | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| OCCUPATION |  |  |  |  |  |  |  |  |  |  |  |
| White-collar workert | 1.837 | 790 | 664 | 245 | 137 | 10.7 | 6.2 | 43.3 | 43.0 | 25.0 | 20.8 |
| Professional and manegorial | 599 | 220 | 205 | 110 | 65 | 13.6 | 7.3 | 39. 1 | 36.7 | 29.1 | 29.2 |
| Sales workers . . . . . . . . . . . | 335 | 158 | 116 | 35 | 26 | 9.2 | 5.4. | 38.2 | 47.2 | 25.6 | 18.1 |
| Clerical workers . . . . . . . . . | 902 | 412 | 344 | 100 | 47 | 9.4 | 5.8 | 47.7 | 45.7 | 22.1 | 16.3 |
| Blue-coller workers | 3.286 | 1.177 | 1.415 | 454 | 241 | 11.0 | 7.7 | 37.2 35. | 35.8 | 20.6 | 21.1 |
| Crift and kindred workers . | - 900 | 314 | 410 | 114 | 62 | 11.2 | 7.5 | 35.5 | 34.9 | 20.5 | 19.5 |
| Operatives, except tranaport . . | 1.250 | 501 | 496 | 156 | 97 | 10.6 | 7.2 | 42.8 | 40.1 | 20.6 | 20.2 |
| Transport equipment operetives | 329 807 | $\begin{array}{r}95 \\ \hline 67\end{array}$ | 156 | 55 | 23 | 11.5 | 9.0 | 35.2 | 28.8 | 20.3 | 23.8 |
| Nontarm laborers . . . . . . . . . . | 807 | 267 | 352 | 128 | 59 | 11.4 | 8.1 | 30.8 | 33.1 | 20.7 | 23.2 |
| Service morkers | 1.001 | 469 | 326 | 134 | 72 | 10.3 | 5.8 | 45.7 | 46.9 | 20.3 | 20.5 |
| MNDUSTRY ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |
| Agricultul? | 177 | 65 | 69 | 32 | 12 | 10.0 | 8.0 | 42.8 | 36.6 | 16.6 | 24.6 |
| Construction | 880 | 273 | 466 | 110 | 30 | 9.8 | 7.9 | 30.0 | 31.0 | 16.4 | 16.0 |
| Mentracturing..... | 1.721 | 655 | 660 | 252 | 154 | 11.6 | 7.7 | 42.4 | 38.0 | 24.1 | 23.6 |
| Durable goods . . . . . . . | 1.019 | 384 | 391 | 165 | 79 | 11.2 | 7.8 | 41.6 | 37.7 | 25.9 | 24.0 |
| Nondurable goots . . . . . . . . . | 702 | 271 | 270 | 87 | 75 | 12.1 | 7.6 | 43.3 | 38.5 | 22. 1 | 23.1 |
| Tranaportation and public utilities | $\begin{array}{r}311 \\ \hline\end{array}$ | 111 | 114 | 61 | 26 | 12.4 | 8.5 | 37.1 | 35.5 | 23.0 | 27.9 |
| Wholesale and retail trade ....... | 1.412 | 646 | 505 | 149 | 111 | 10.0 | 5.7 | 46.5 | 45.8 | 18.8 | 18.4 |
| Finance and service industries | 1.376 | 585 | 503 | 186 | 100 | 10.9 | 6.3 | 43.3 | 42.5 | 24.9 | 20.8 |
| Public administration.......... | 210 | 85 | 66 | 43 | 16 | 12.1 | 7.8 | 33.8 | 40.3 | 34.1 | 28.1 |
| No previous work experience. . . . . | 732 | 383 | 203 | 88 | 58 | 10.3 | 4.8 | 45.9 | 52.3 | 20.6 | 19.9 |

Includes wage and selary workers only.
A-20. Employed persons by sex and age

| Age and type of industry | Total |  | Males |  | Females |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Fet. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| All induntries | 94,765 | 96. 264 | 55,032 | 55,319 | 39.733 | 40.945 |
| 16 to 19 years | 7.248 | 6.997 | 3,708 | 3,660 | 3.540 | 3.337 |
| 16 to 17 years | 2.907 | 2.684 | 1.482 | 1.424 | 1.425 | 1.260 |
| 18 to 19 vears | 4.341 | 4.313 | 2.226 | 2.237 | 2.115 | 2,076 |
| 20 to 24 years | 13.428 | 13,341 | 7,196 | 7.109 | 6.232 | 6.231 |
| 25 to 54 years | 59.799 | 61.562 | 35.402 | 35.787 | 24.397 | 25,774 |
| 25 to 34 years | 25.001 | 26.114 | 14.765 | 15,148 | 10.235 | 10,965 |
| 35 to 44 years | 18.403 | 19. 119 | 10,857 | 11.015 | 7.546 | 8.104 |
| 45 to 54 yeart | 16.395 | 16.329 | 9,780 | 9.624 | 6.616 | 6.705 |
| 55 to 64 years | 11.343 | 11.415 | 6.895 | 6.913 | 4.448 | 4.502 |
| 55 to 59 years | 6.998 | 7.134 | 4. 245 | 4.304 | 2.753 | 2.831 |
| 60 to 64 years | 4.345 | 4.281 | 2.650 | 2.609 | 1.695 | 1.672 |
| 65 yeers and over | 2.946 | 2.950 | 1.830 | 1.849 | 1.116 | 1.101 |
| Monesricultural inductries .... | 91.969 | 93.428 | 52,708 | 52,936 | 39.261 | 40.493 |
| 16 to 19 years ... . . . . . . . . . . . . | 7.011 | 6.798 | 3.501 | 3,491 | 3.510 | 3.308 |
| 16 to 17 yesrs | 2.768 | 2,588 | 1.365 | 1.334 | 1.403 | 1.255 |
| 18 to 19 years | 4.242 | 4.210 | 2, 135 | 2.157 | 2,107 | 2.053 |
| 20 to 24 years | 13.133 | 13.036 | 6.954 | 6.854 | 6,179 | 6. 182 |
| 25 to 54 years | 58,271 | 60.005 | 34. 172 | 34.518 | 24.099 | 25,485 |
| 26 to 34 yemrs | 24.444 | 25.533 | 14.309 | 14.654 | 10.135 | 10.879 |
| 35 to 44 years | 17,933 | 18,638 | 10,473 | 10.630 | 7.460 | 8.009 |
| 45 to 54 yeers | 15.893 | 15.833 | 9.390 | 9.235 | 6.504 | 6.598 |
| 56 to 64 years.. | 10.891 | 10.922 | 6,506 | 6,481 | 4.385 | 4.440 |
| 56 to 59 years | 6.756 | 6.880 | 4.048 | 4.084 | 2,708 | 2,797 |
| 60 to 64 years | 4.135 | 4.042 | 2.458 | 2.398 | 1.676 | 1,644 |
| 65 vears and over | 2.664 | 2.667 | 1.575 | 1.591 | 1.088 | 1,077 |
| Aqriculture. | 2,796 | 2,836 | 2, 324 | 2,383 | 472 | 453 |
| 16 to 19 years ... | 238 | 198 | 208 | 170 | 30 | 29 |
| 16 to 17 years. | 138 | 95 | 117 | 90 | 22 | 5 |
| 18 to 19 years | 99 | 103 | 91 | 80 | 8 | 23 |
| 20 to 24 years. | 295 | 305 | 242 | 255 | 53 | 49 |
| 25 to 54 years . . | 1.528 | 1.557 | 1.231 | 1.268 | 298 | 289 |
| 25 to 34 years | 556 | 580 | 456 | 493 | 100 | 87 |
| 35 to 44 ruers.. | 470 | 480 | 384 | 386 | 86 | 95 |
| 45 to 54 yeers | 502 | 496 | 390 | 389 | 112 | 107 |
| 56 to 64 years ... | 452 | 493 | 389 | 431 | 63 | 62 |
| 56 to 59 ymers | 242 | 254 | 197 | 220 | 45 | 34 |
| 60 to 64 years | 210 | 239 | 192 | 211 | 18 | 28 |
| 0.6 yeers and over | 283 | 283 | 255 | 259 | 28 | 24 |

A-21. Employed persons by occupation, sex, and age
[In thowsemds]

| Ocoupation | Totel |  | Melses. 20 y reess end owr |  | Fameles, 20 yeors and ovor |  | Melos, 16-19 roons |  | Fammen, 16.19 man |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | Peb. $1980$ |
| total. | 94.765 | 96.264 | 51,324 | 51.658 | 36.193 | 37.609 | 3,708 | 3.660 | 3.540 | 3,337 |
| White-coller morkers | 48,911 | 50,525 | 22.511 | 22.929 | 23,902 | 25.116 | 614 | 696 | 1,883 | 1,785 |
| Professional and rechnical | 15.244 | 15,753 | 8,540 | 8,600 | 6.513 | 6.980 | 91 | 88 | 99 | 84 |
| Health workers | 2;812 | 2.914 | 949 | 926 | 1,840 | 1,973 | 9 | 4 | 15 | 12 |
| Teachers, except colloge | 3.308 | 3. 329 | 938 | 943 | 2.333 | 2,357 | 7 | - 3 | 30 | 26 |
| Other professional and technical | 9.124 | 9,510 | 6.653 | 6.731 | 2.340 | 2.650 | 75 | 81 | 54 | 46 |
| Manegers and administrators, except farm | 10.258 | 10.850 | 7.705 | 7.943 | 2.462 | 2.785 | 50 | 71 | 40 | 51 |
| Solaried workers | 8,464 | 8.988 | 6, 336 | 6,528 | 2,044 | 2. 342 | 46 | 70 | 39 | 45 |
| Self-employed workers in retail trade | 870 | 879 | 587 | 576 | 281 | 302 | 2 | -- | 1 | 1 |
| Selt-employed workers, except retiail trade | 923 | 983 | 783 | 840 | 136 | 141 | 3 | 1 | 1 | 2 |
| Sales workers | 5.963 | 6,055 | 3.100 | 3,136 | 2.243 | 2. 297 | 229 | 236 | 391 | 397 |
| Retail trade | 3.111 | 3.057 | 1. 006 | 978 | 1.554 | 1,560 | 176 | 160 | 374 | 360 |
| Other industries | 2,852 | 2,998 | 2.093 | 2,158 | 689 | 737 | 54 | 76 | 16 | 27 |
| Clerical workers | 17.447 | 17.866 | 3.166 | 3.249 | 12.685 | 13.054 | 243 | 301 | 1.352 | 1,263 |
| Stenographers, tvpists, and secretaries | 4.884 | 4,973 | 74 | 66 | 4.441 | 4,586 | 10 | 6 | 359 | . 315 |
| Other clerical workers | 12.563 | 12.893 | 3,092 | 3. 183 | 8,244 | 8,468 | 233 | 295 | 993 | 946 |
| Blue-collar workers | 30,927 | 30.527 | 23.175 | 22.835 | 5.269 | 5.404 | 2,062 | 1,932 | 422 | 356 |
| Craft and kindred workers | 12.505 | 12,346 | 11. 276 | 11,168 | 674 | 701 | 499 | 437 | 56 | 41 |
| Carpenters | 1.172 | 1.090 | 1.093 | 1.036 | 15 | 15 | 62 | 38 | 2 | 1 |
| Construction cratt, except carpenters | 2.389 | 2,447 | 2. 251 | 2,324 | 25 | 38 | 106 | 84 | 7 | 1 |
| Mechanics and repairers | 3.406 | 3,301 | 3.180 | 3.069 | 43 | 59 | 183 | 168 | 2 | 3 |
| Metal craft ........ | 1,255 | 1,337 | 1,174 | 1.244 | 29 | 46 | 44 | 44 | 8 | 5 |
| Blue-collar worker supervisors, not elsewhere classified | 1,715 | 1,684 | 1,528 | 1.475 | 177 | 184 | 9 | 17 | 2 | 8 |
| All other | 2.567 | 2.488 | 2.049 | 2,021 | 386 | 359 | 97 | 86 | 36 | 22 |
| Operatives, except transport | 10,657 | 10,426 | 5,879 | 5.656 | 3.925 | 3.950 | 603 | 587 | 251 | 232 |
| Durable goods manufacturing | 4,995 | 4,769 | 3.125 | 2.897 | 1.577 | 1.595 | 188 | 187 | 104 | 89 |
| Nondurable goods manufacturing | 3,244 | 3,315 | 1.243 | 1,288 | 1.795 | 1,817 | 103 | 109 | 102 | 101 |
| Other industries | 2,418 | 2,341 | 1.510 | 1,471 | 552 | 538 | 311 | 291 | 45 | 42 |
| Transport equipment operatives | 3.535 | 3.507 | 3.093 | 3.035 | 261 | 305 | 158 | 160 | 23 | 7 |
| Drivers, motor vehicles | 3.034 | 2.998 | 2.634 | 2.576 | 245 | 284 | 133 | 133 | 22 | 6 |
| All other. | 501 | 509 | 459 | 460 | 16 | 21 | 25 | 28 | 1 | , |
| Nonfarm laborers | $\begin{array}{r}4.230 \\ \hline 705\end{array}$ | $\begin{array}{r}4.248 \\ \hline 752\end{array}$ | 2,927 593 | 2,976 606 | 409 | 448 | 802 | 748 | 92 | 76 |
| Construction | . 705 | 752 | 593 | 606 | 10 | 8 | 96 | 137 | 5 | 1 |
| Menufacturing | 1,065 | 980 | 810 | 743 | 147 | 158 | 91 | 70 | 17 | 9 |
| Other industries | 2.460 | 2,516 | 1,524 | 1,627 | 252 | 282 | 615 | 541 | 69 | 65 |
| Service workers | 12.603 | 12,866 | 3.821 | 4,023 | 6.707 | 6.776 | 861 | 888 | 1,213 | 1.178 |
| Private household workers | 1.133 | 1.065 | 13 | 17 | 877 | 848 | 12 | 8 | 231 | 192 |
| Service workers, except private hourehold | 11,470 | 11.801 | 3.808 | 4.006 | 5.830 | 5.928 | 850 | 880 | 982 | 986 |
| Food service workers | 4,158 | 4. 296 | . 756 | 848 | 2, 179 | 2,220 | 554 | 537 | 669 | 690 |
| Protective service workers | 1.400 | 1.438 | 1.265 | 1. 275 | 116 | . 133 | 17 | 22 | 1 | 8 |
| All other | 5,912 | 6,067 | 1.787 | 1.883 | 3.535 | 3.575 | 279 | 321 | 312 | 288 |
| Farm workers | 2.324 | 2,347 | 1,816 | 1,872 | 315 | 313 | 171 | 144 | 22 | 18 |
| Farmers and farm managers | 1,348 | 1,397 | 1,217 | 1,247 | 118 | 132 | 11 | 18 | 2 | 2 |
| Farm laborers and supervisors | 976 | 949 | 599 | 626 | 198 | 181 | 159 | 126 | 20 | 16 |
| Paid workars | 786 | 776 | 578 | 600 | 90 | 80 | 109 | 83 | 10 | 13 |
| Unpaid family workars | 190 | 174 | 22 | 26 | 108 | 101 | 50 | 43 | 10 | 3 |


| Ocauperion and rexe | Toun |  | Meles |  | Fomaler |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Yeb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Fet. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & F \in b . \\ & 1980 \end{aligned}$ |
| total |  |  |  |  |  |  |
| Total, 16 years and ower (thousmds) | 94.765 | 96.264 | 55.032 | 55,319 | 39.733 | 40,.45 |
| Percent | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| White-collar workers | 51.6 | 52.5 | 42.0 | 42.7 | 64.9 | 65.7 |
| Profersional and tochnical | 16.1 | 16.4 | 15.7 | 15.7 | 16.6 | 17.3 |
| Managers and administrators, excepp ferm | 10.8 | 11.3 | 14.1 | 14.5 | 6.3 | 6.9 |
| Soles workers | 6.3 | 6.3 | 6.0 | 6.1 | 6.6 | $6 . \epsilon$ |
| Clerical workers | 18.4 | 18.6 | 6.2 | 6.4 | 35.3 | 35. |
| Bluecollar workers | 32.6 | 31.7 | 45.9 | 44.8 | 14.3 | 14.1 |
| Craft and kindred workers | 13.2 | 12.8 | 21.4 | 21.0 | 1.8 | 1. 2 |
| Operatives, except transport | 11.2 | 10.8 | 11.8 | 11.3 | 10.5 | 10.2 |
| Transport equipment operatives | 3.7 | 3.6 | 5.9 | 5.8 | . 7 | -8 |
| Nonfarm laborers | 4.5 | 4.4 | 6.8 | 6.7 | 1.3 | 1.3 |
| Service workers | 13.3 | 13.4 | 8.5 | 8.9 | 19.9 | 19.4 |
| Private household workers | 1.2 | 1.1 | (1) | (1) | 2.8 | 2.5 |
| Other servica workers | 12.1 | 12.3 | 8.5 | 8.8 | 17.1 | 1.9 |
| Farm workers | 2.5 | 2.4 | 3.6 | 3.6 | . 8 | - |
| Farmers and farm manspers. | 1.4 | 1.5 | 2.2 | 2.3 | - 3 | - + |
| Farm laborers and supervisors | 1.0 | 1.0 | 1.4 | 1.4 | . 5 |  |
| White |  |  |  |  |  |  |
| Total, 16 yeers and over (thourands). | 84.237 | 85.540 | 49.504 | 49.786 | 34.733 | 35,754 |
| Percent.... | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| White-collar workers | 53.3 | 54.2 | 43.6 | 44.3 | 67.1 | 67.9 |
| Professional and technical | 16.6 | 16.8 | 16.3 | 16.3 | 17.1 | 17.6 |
| Managers and adminisistreors, except form | 11.5 | 12.0 | 14.9 | 15.3 | 6.7 | 7.4 |
| Soles workers .. | 6.7 | 6.7 | 6.4 | 6.5 | 7.1 | 7.1 |
| Clerical workers | 18.5 | 18.6 | 6.0 | 6.3 | 36.2 | 35.8 |
| Blue-colliar workers | 32.2 | 31.1 | 45.1 | 43.8 | 13.9 | 13.5 |
| Craft and kindred workers | 13.7 | 13.3 | 21.9 | 21.4 | 1.9 | 1.9 |
| Operatives, except transport. | 10.8 | 10.3 | 11.3 | 10.8 | 10.1 | 9.6 |
| Transport equipment operatives | 3.7 | 3.5 | 5.7 | 5.4 | . 7 | . 8 |
| Nonfarm laborers | 4.1 | 4.1 | 6.1 | 6.2 | 1.2 | 1.2 |
| Service workers | 11.9 | 12.2 | 7.6 | 8.2 | 18.1 | 17.7 |
| Private household workers | 19.9 | . 8 | (1) | (1) | 2.2 | 1.9 |
| Other service workers | 11.0 | 11.3 | 7.6 | 8.1 | 15.9 | 15.8 |
| Farm workers | 2.5 | 2.5 | 3.7 | 3.7 | . 9 | . 9 |
| Farmers and farm managers | 1.6 | 1.6 | 2.4 | 2.5 | . 3 | . 4 |
| Farm laborers and supervisors | 1.0 | . 9 | 1.3 | 1.2 | . 6 | - 5 |
| Bleck and other |  |  |  |  |  |  |
| Total, 16 years and over (thousands) | 10,527 | 10.725 | 5,528 | 5,533 | 4.999 | 5.191 |
| Percent. | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Whit-coller workers | 38.1 | 38.9 | 27.7 | 27.9 | 49.7 | 50.5 |
| Profossional and tochnical | 11.9 | 12.6 | 10.4 | 10.8 | 13.6 | 14.6 |
| Manegers and administrators, except farm | 5.2 | 5.3 | 7.0 | 6.7 | 3.3 | 3.8 |
| Seles workers. . | 2.9 | 2.8 | 2.5 | 2.5 | 3.4 | 3.0 |
| Clerical workers | 18.0 | 18.2 | 7.8 | 7.9 | 29.3 | 29.2 |
| Blue-collar workers | 35.9 | 36.3 | 52.8 | 53.6 | 17.1 |  |
| Craft and kindred workers | 9.3 | 9.3 | 16.5 | 17.2 | 1.3 | 1.0 |
| Operatives, except tremsport | 14.8 | 15.2 | 16.0 | 15.8 | 13.6 | 14.4 |
| Transport equipment operativas | 4.4 | 4.9 | 7.8 | 8.9 | . 5 | . 7 |
| Nonfarm laborers | 7.3 | 6.9 | 12.5 | 11.7 | 1.7 | 1.7 |
| Service workers | 24.2 | 22.9 | 16.5 | 15.1 | 32.8 | 31.2 |
| Prwate household workers | 3.5 | 3.4 | . 1 | . 1 | 7.2 | 6.8 |
| Other service workers | 20.8 | 19.6 | 16.4 | 15.0 | 25.7 | 24.4 |
| Farm workers | 1.8 | 1.9 | 3.1 | 3.4 | . 4 | -4 |
| Fermers and ferm managers | . 3 | . 4 | . 5 | . 7 | . 1 | . 1 |
| Farm loborerss and supervisors | 1.5 | 1.6 | 2.5 | 2.7 | . 3 | . 4 |

' Lews than 0.06 percent.

A-23. Employed persons by clase of worker, age, and sex
[in Hovenends]

| Agn and mex | February 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monmerienfural induatios |  |  |  |  |  | Agrioulture |  |  |
|  | Wepe and melary workers |  |  |  | Self employed | Unperdd family workers | Wequ and selery workeri | self employed | Unpeld family workers |
|  | Totel | Private houmbiold workers | Governmint | Other |  |  |  |  |  |
| Total, 18 years and over. | 96.267 | 1.121 | 15.773 | 69.374 | 6.796 | 364 | 1.158 | $1.498$ |  |
| 18 to 18 years . . . . . . . . . | 6.698 2.537 | 218 | $152$ | 5.9842.224 | 82 | 19 | 130 | $22$ | 47 |
| 18 to 17 vters . . . . . . . 18 to 18 vears ....... | 2.537 4.161 | 161 57 |  |  | $\begin{array}{r} 43 \\ 39 \end{array}$ | 9 | 54 | 11 |  |
| 18 to 18 yers . . . . . . . . 20 20 | 4.161 12.681 | 57 70 | $\begin{array}{r}344 \\ \hline 1536\end{array}$ | 3.759 |  | 10 | 76 | 10 | 17 |
| 20 to 24 Yems. 26 to 34 yoms. | 12.681 23.913 | 70 134 | 1.536 4.481 | 11.075 19.298 | 332 1 | 22 | 202 | 82 | 21 |
| 25 to 34 yoers 38 to 44 yuars | 23,913 16,930 | 134 155 | 4.481 3.664 | 19.298 13.111 | 1.560 | 60 | 313 | 240 | 27 |
| 45 to 64 years | 14.198 | 195 | 3.664 3.191 | 13.111 10.812 | 1.609 | 100 | 203 | 251 | 27 26 |
| Ets to 64 years | 9.757 | 201 | 2.026 | 10.812 7.530 | 1.543 | 93 50 | 131 122 | 331 | 26 34 |
| 56 to 60 yeers | 6.171 | 110 | 1.322 | 4.740 | +677 | 32 | 122 70 | 356 172 | 34 16 |
| 60 to 64 years | 3.586 | 91 | 704 | 2,791 | 438 | 18 | 70 51 | 172 184 | 11 |
| 05 yours and over | 2,091 | 148 | 378 | 1.564 | 556 | 21 | 56 | 184 216 | 10 |
| Meles, 16 years and over. 18 to 19 yeart . . . . . . | 48.132 3.433 | 82 27 | 7.748 207 | 40.302 3.199 | 4.768 | 36 | 967 | 1,347 | 69 |
| 18 to 19 years . | 3.433 1.304 | 27 14 | 207 83 | 3.199 1.207 | 46 24 | 11 | 107 | , 20 | 43 |
| 18 to 19 yeers | 1.304 2.130 | 14 13 | 83 124 | 1.207 1.993 | 24 21 | 6 | 51 | 11 | 28 |
| 20 to 24 yoars. . | 6,605 | 7 | 657 | 5.941 | 237 | 11 | 56 164 | 7 9 | 15 |
| 28 to 34 years | 13.588 | 8 | 2. 190 | 11.390 | 1.061 | 11 5 | 164 | 77 222 | 15 |
| 35 to 44 yoers | 9.498 | 8 | 1.785 | 7.704 | 1.132 | 5 | 166 | 222 219 | 6 |
| 55 to to 84 yeers . . . | 8.115 | 8 | 1.654 | 6.452 | 1.118 | 2 | 166 | 219 285 | -- |
| B8to to yeme . . . . | 5,686 | 10 | 1.035 | 4.642 | . 795 | $\rightarrow$ | 109 | 324 | -- |
| 86 to 60 yoars 60 to 64 years | 3,606 2,080 | 3 | 676 359 | 2.926 | 478 | -- | 63 | 157 | -- |
| 60 to 04 years. | 2.080 1.207 | 6 13 | 359 220 | 1.715 974 | 317 377 | 7 | 45 | 166 | -- |
|  | 1.207 | 13 | 220 | 974 | 377 | 7 | 52 | 200 | 6 |
| Fomales, 16 years and over | 38,136 | 1.039 | 8. 025 | 29.072 | 2.029 | 328 | 191 | 151 | 110 |
| 16 to 19 years . . . . . . . . | 3.264 | 191 | 289 | 2.784 | 36 | 8 | 24 | 2 | 3 |
| 18 to 17 years .......... | 1.233 | 147 | 69 | 1.018 | 18 | 3 | 3 | -- | 2 |
| 18 to 19 yems .......... | 2.031 | 45 | 220 | 1.767 | 18 | 4 | 20 | 1 | 1 |
| 20 to 24 veers . . . . . . . . . . . | 6.076 | 63 | 879 | 5.134 | 95 | 11 | 38 | 5 | 6 |
| 25 to 34 years. | 10,325 | 126 | 2.291 | 7.908 | 499 | 55 | 48 | 18 | 21 |
| 35 to 44 yeers | 7.432 | 147 | 1.879 | 5.407 | 477 | 99 | 37 | 32 | 26 |
| 45 to 84 yeers | 6.083 | 186 | 1.537 | 4.360 | 424 | 91 | 28 | 46 | 33 |
| 86 to 84 years . . . . . . . . . | 4.071 | 191 | 992 | 2.889 | 319 | 50 | 13 | 32 | 17 |
| 66 to 69 yeurs . . . . . . . . . | 2.566 | 106 | 646 | 1.813 | 199 | 32 | 7 | 15 | 12 |
| 60 to 64 yeert. | 1,506 | $\begin{array}{r}85 \\ \hline 135\end{array}$ | 346 158 | 1.075 | 120 | 18 | 6 | 18 | 5 |
| 68 yeurs and over | 884 | 135 | 158 | 591 | 179 | 14 | 4 | 16 | 4 |

A-24. Employed persons by industry and occupation
[In thourences]

| Incustry | February 1990 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Totel amploped | Whinecoller morkers |  |  |  | Biwocoller markars |  |  |  | Service morkers |  | Form |
|  |  | Profer siond and netrioed workers |  | seles workers | Clepreal workers | Cruft and kindred worken | $\begin{aligned} & \text { Operatives, } \\ & \text { excoetpt } \\ & \text { tramport } \end{aligned}$ | Trumport equipment operatives | Nonterm laborens | Pituatio houmbold wortems | Other service workert |  |
| Total, it vears and over: |  |  |  |  |  |  |  |  |  |  |  |  |
| Agriculture . . . . . . . . . . . . . . | 2.836 | 67 | 36 | 4 | 61 | 50 | 13 | 36 | 209 | -- | 13 | 2,347 |
| Mining ....... . ...... | 907 | 132 | 82 | 3 | 108 | 229 | 270 | 49 | 22 | -- | 11 | , |
| Construction . . . . . . . . . . . . . . | 5.765 | 190 | 767 | 24 | 438 | 3.122 | 285 | 162 | 752 | -- | 25 | -- |
| Menufecturing | $21.911$ | $2.512$ | $1.629$ | 546 | $2.658$ | 4.338 | 8.084 | 727 | $980$ | -- | 437 | -- |
| Durable goods | 13.368 | $9,741$ | 917 | 189 | $1,612$ | 2,868 | 4.769 | 361 | $633$ | -- | 277 | -- |
| Nondurable goods | 8,543 | 771 | 712 | 357 | 1.046 | 1.470 | 3.315 | 366 | 347 | -- | 160 | -- |
| Transportation and pubtic utilities | 6.274 | 555 | 668 | 60 | 1.445 | 1.332 | 136 | 1.458 | 462 | -- | 158 | -- |
| Wholesale and retail trade . . . . . . . | 19.507 | 373 | 3.869 | 3.988 | 3.517 | 1.414 | 891 | 830 | 1.203 | -- | 3.423 | -- |
| Wholende trade | 3.825 | 140 | . 776 | 931 | . 770 | . 328 | 174 | 421 | 255 | -- | , 30 | -- |
| Retsil trade | 15,683 | 233 | 3. 092 | 3,057 | 2.747 | 1,086 | 717 | 409 | 948 | -- | 3.393 | -- |
| Finance, insurance, and real cstate | 5.811 | 307 | 1.183 | 1,271 | 2.594 | 1.127 | 9 | 12 | 77 | 1.065 | ${ }_{6} 232$ | -- |
| Serviess . . . . . . . . . . . . . . . . . . . . | 28.110 | 10.570 | 2.004 | 156 | 5.214 | $1.436$ | 674 | 188 | 398 | $1.065$ | $6,406$ | -- |
| Private houmaholds . . . . . . . . . . . . | $\begin{array}{r} 1.179 \\ 26.931 \end{array}$ | $\begin{array}{r} 8 \\ 10.562 \end{array}$ |  | $156$ | $\begin{array}{r} 12 \\ 5.202 \end{array}$ | $\begin{array}{r} 7 \\ 1.429 \end{array}$ | $\begin{array}{r} 1 \\ 673 \end{array}$ | 1 187 | 46 352 | 1.065 | $\begin{array}{r} 39 \\ 6.267 \end{array}$ | -- |
| Other service industries ........ Public edminitration . . . . . . . . | 26,931 5.142 | 10,562 1.046 | $\begin{array}{r} 2.004 \\ 612 \end{array}$ | 156 | $\begin{aligned} & 5,202 \\ & 1,832 \end{aligned}$ | $\begin{array}{r} 1.429 \\ 299 \end{array}$ | $\begin{array}{r} 673 \\ 63 \end{array}$ | 187 46 | 352 146 | -- | $\begin{aligned} & 6.267 \\ & 1,096 \end{aligned}$ | -- |

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

## [In thoumends]

| Reason not working | All industrios |  | Monagricultural industries |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  | Wege and selary workers' |  |  |  |
|  |  |  | Pald absenceat ${ }^{2}$ | Unpeid absences? |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |  |  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |
| Totel, 16 years and over | 4.475 | 4. 551 | 4.276 | 4.270 | 1.649 | 1. 686 | 1.935 | 1.929 |
| Vecation | 1,380 | 1,401 | 1,346 | 1.349 | 846 | 851 | 337 | 348 |
| liliness | 1.537 | 1.638 | 1.512 | 1.578 | 628 | 646 | 758 | 763 |
| Bed weather | 678 | 493 | 572 | 394 | -- | - | -- | -- |
| Industrial dispute | 73 | 130 | 71 | 130 | -- | -- | -- | -- |
| All other reasoms | 807 | 889 | 774 | 818 | 176 | 189 | 839 | 818 |
| Males, 16 years and over. | 2.697 | 2.732 | 2.507 | 2.481 | 1.008 | 998 | 1,054 | 1,057 |
| Vecation. | 812 | 818 | 783 | 769 | 517 | 503 | 161 | 161 |
| Illness . . | 827 | 918 | 803 | 871 | 377 | 399 | 374 | 385 |
| All other ressom3 | 1.057 | 996 | 921 | 840 | 114 | 96 | 519 | 512 |
| $F$ males, 16 years and over | 1.778 | 1.819 | 1.769 | 1.789 | 641 | 689 | 880 | 871 |
| Vecation. | 567 | 583 | 563 | 580 | 328 | 347 | 176 | 187 |
| linest. | 709 | 720 | 709 | 707 | 251 | 247 | 385 | 378 |
| All other remons ${ }^{3}$ | 502 | 515 | 497 | 501 | 62 | 94 | 320 | 307 |

${ }^{1}$ Excludes private household.
${ }^{2}$ Pay status not available separately for bed weather and industrial dispute; these categories are included in all other reasons.

3 Includes bed weather and industrial dispute, not shown sepmately.
NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; date should be used with caution

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

| Hours of work | Pebruary 1980 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousunds of persors |  |  | Perement distribution |  |  |
|  | All industries | Nonagicultural undustries | Appiculture | All industries | Nonegrievitural induatries | Anticulture |
| Total, 16 years and over . . . . . . | 91.713 | 89. 159 | 2.555 | 100.0 | 100.0 | 100.0 |
| $1-34$ hours . 1.4 hours | 24.411 792 | 23.499 | 912 | 26.6 | 26.4 | 35.7 |
| 1.4 hours . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5.14 hours . . . . . . | 792 4.583 | 749 4.321 | 43 262 | 5.9 | -8 8 | 1.7 |
| 5.14 hours . . . . . . . . . . . . . . . . . . . . . . . . . $16-29$ hours . . . . . . . . . . . . . | 4.583 11.720 | 4.321 11.309 | 262 411 | 5.0 12.8 | 4.8 12.7 | 10.3 |
| 30-34 hours | 7.316 | 7, 120 | 196 | 8.0 | 8.0 | 7.7 |
| 35 hours and over | 67.303 | 65.659 | 1.644 | 73.4 | 73.6 | 64.3 |
| 35-39 hours | 6,230 | 6,096 | 134 | 6.8 | 6.8 | 5.2 |
| 40 hours | 37.788 | 37,343 | 445 | 41.2 | 41.9 | 17.4 |
| 41 hours and over . . . . . . . . . . . . . . . . . . . | 23.285 | 22,220 | 1.065 | 25.4 | 24.9 | 41.7 |
| 41 to 48 hours | 9.302 | 9. 103 | 199 | 10. 1 | 10.2 | 7.8 |
| 49 to 59 hours | 8.264 | 7.919 | 345 | 9.0 | 8.9 | 13.5 |
| 60 hours and over | 5,719 | 5.198 | 521 | 6.2 | 5.8 | 20.4 |
| Average hours, total at work . . . . . . . | 38.1 | 38.0 | 40.8 | - | -- | -- |
| Average hours, workers on full-time schedules | 42.5 | 42.4 | 48.1 | -- | - | -- |

A-27. Persons at work 1-34 hours by usual status and reason for working less than $\mathbf{3 5}$ hours

| Reason for working less than 35 hours | Pebruary 1980 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All induatries |  |  | Nonsoprcultural industries |  |  |
|  | Total | $\begin{aligned} & \text { Usually } \\ & \text { work } \\ & \text { full time } \end{aligned}$ | Unuelly work part time | Town | Usually work full time | $\begin{aligned} & \text { Usually } \\ & \text { work } \end{aligned}$ part time |
| Total, 16 years and over . . . | 24.411 | 8.726 | 15,685 | 23.499 | 8,296 | 15.203 |
| Economic reasons | 3.489 | 1.568 | 1.921 | 3.292 | 1.430 |  |
| Slack work . . . . . . . . . . . . . . . . . . . . | 1,901 | 1,240 | 661 | 1.727 | 1.111 | 616 |
| Material shortages or repairs to plant and equipment | 63 | 63 | - | 60 | 60 | -- |
| New job started during week | 171 | 171 | -- | 169 | 169 | -- |
| Job terminated during week . . | - 95 | 95 | 1.-7 | 91 | 91 | -- |
| Could find only part-time work | 1.261 | -- | 1.261 | 1,246 | -- | 1.24E |
| Other reasons . . . . . . . . . . . . . . . . . . . | 20,922 | 7,158 | 13.764 | 20.207 | 6.865 |  |
| Does not want, or unavailable for, full-time work | 11.474 | , | 11.474 | 11.172 | -7- | $11,172$ |
| Vacation | . 752 | 752 | -- | 731 | 731 | --- |
| ${ }^{1 / 2 l i n e s s ~ . . . ~}$ | 2.534 | 2.342 | 192 | 2.472 | 2.293 | 179 |
| Bad weather . . | 967 20 | 967 20 | -- | 790 20 | 790 20 | -- |
| Legal or religious hotiday | 1.670 | 1.670 | -- | 1.670 | 1.670 | -- |
| Full time for this job | 1.517 | - -- | 1,517 | 1.457 | 1.670 | 1,457 |
| All other reasons | 1.986 | 1.406 | 580 | 1.893 | 1,360 | 533 |
| Average hours: |  |  |  |  |  |  |
| Economic reasons | 21.7 | 23.8 | 20.0 | 21.8 | 24.1 |  |
| Other reasons | 21.2 | 26.7 | 18.4 | 21.3 | 26.9 | 18.4 |
| Worked 30 to 34 hours: |  |  |  |  |  |  |
| Economic reasons . Other reasons . . | $\begin{aligned} & 1.066 \\ & 6.250 \end{aligned}$ | $\begin{array}{r} 670 \\ 4,088 \end{array}$ | $\begin{array}{r} 396 \\ 2.162 \end{array}$ | $\begin{aligned} & 1,016 \\ & 6,104 \end{aligned}$ | $\begin{array}{r} 629 \\ 4,005 \end{array}$ | $\begin{array}{r} 387 \\ 2.099 \end{array}$ |

A-28. Nonagricultural workers by industry and full-or part-time status
[Numbers in thousands]

| Industry | Pebruary 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Full- or part-time status |  |  |  |  |  |  | Averspe hours, total at work | Average hours, workers on full-time schectules |
|  | Total at work | On part time for economic reasons | On voluntary pert time | On tull-time schedules |  |  |  |  |  |
|  |  |  |  | Total | 40 houns or hess | 41 to 48 hours | 49 hours or more |  |  |
| Total, 16 years and over ${ }^{1}$. | 89.159 | 3,292 | 13,342 | 72.525 | 50,305 | 9. 103 | 13.117 | 38.0 | 42.4 |
| Wage and salary workers | 82.610 | 2,882 | 12.126 | 67,602 | 48,129 | 8. 543 | 10.930 | 37.8 | 42.0 |
| Construction | 4,232 | 213 | 241 | 3.778 | 2.870 | 420 | 488 | 38.1 | 40.4 |
| Manufacturing . | 20.618 | 529 | 769 | 19.320 | 13.835 | 2.877 | 2,608 | 40.6 |  |
| Durable goods . . | 12.585 | 202 | 312 | 12.071 | 8,682 | 1.776 | 1.613 | 41.0 | 41.8 |
| Nondurable goods | 8,033 | 327 | 457 | 7.249 | 5.154 | 1. 101 | 994 | 39.9 | 41.9 |
| Transportation and public utilities | 5.708 | 141 | 399 | 5.168 | 3.599 | 612 | 957 | 40.6 |  |
| Wholesale and retail trede | 16.776 | 934 | 4.437 | 11.405 | 7. 169 | 1.843 | 2.393 | 35.7 | 43.2 |
| Finance, insurance, and real estate | 5.148 | 60 | 553 | 4,535 | 3.473 | 451 | 611 | 38.5 | 41.0 |
| Service industries . . . |  | 933 | 5.428 | 18.022 | 13.252 | 1.759 | 3.011 | 35.6 | 41.6 |
| Private housaholds | 1.079 | 136 | 560 | 18.383 | + 276 | + 34 | 3.011 | 23.7 | 42.9 |
| All other industries. | 23.304 | 797 | 4.868 | 17.639 | 12.976 | 1.725 | 2.938 | 36.1 | $41.6$ |
| Public administretion | 4.916 | 56 | 289 | 4.571 | 3.496 | 1.749 | 2.936 | 39.6 | 41.2 |
| Self employed workers | 6.184 | 402 | 1.037 | 4.745 | 2.066 | 546 | 2. 133 | 40.9 | 48.0 |
| Unpaid family workers | 364 | 8 | 178 | 178 | 110 | 14 | 2. 54 | 33.2 | 45.0 |

I Includes mining, not shown separatoly.

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

| Sox, ape, reos, and meritul struas | Pebruary 1980 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Total } \\ & \text { st } \\ & \text { work } \end{aligned}$ | On pert time for cronomic nemons | On voluntery peart time | On full.time chedulies |  |  | Averase hours, toted at work | Averape hown, worters on tullotime schodules |
|  |  |  |  | Toten | 40 hours of lene | 41 hours or more |  |  |
| total |  |  |  |  |  |  |  |  |
| Ooth mexes, 16 yeart end owr | 89,159 | 3.292 | 13.342 | 72,525 | 50.305 | 22,220 | 38.0 | 42.4 |
| 16 to 21 yours ...... | 11.321 | 680 | 4.676 | 5.965 | 4.744 | 1.221 | 29.3 | 40.2 |
| 16 to 19 years | 6.549 | 385 | 3,607 | 2,557 | 2.046 | 511 | 25.6 | 39.7 |
| 16 to 17 years | 2,498 | 86 | 2.151 | 261 | 225 | 36 | 17.7 | 37.5 |
| 18 to 18 vears | 4.051 | 299 | 1.456 | 2,296 | 1.822 | 474 | 30.4 | 39.9 |
| 20 years and over | 82.609 | 2.907 | 9.735 | 69.967 | 48.257 | 21,710 | 39.0 | 42.5 |
| 20 to 24 yeors | 12.610 | 692 | 2.003 | 9,915 | 7.495 | 2,420 | 36.6 | 41.2 |
| 25 years snd over 25 to 44 yeers | 69.999 42.336 | 2.214 | 7.731 4.113 | 60.054 | 40.763 | 19,291 | 39.5 | 42.7 |
| 25 to 44 yeers | 42.336 25.216 | 1.340 778 | 4,113 2,449 | 36,883 21.989 | 24.564 15.362 | 12.319 6.627 | 40.0 39.6 | 42.9 42.4 |
| B5 years mid over | 2,448 | 97 | 1.168 | 1.183 | 838 | 6.629 | 29.1 | 42.5 |
| Males, 18 years end over. | 50,455 | 1.396 | 4.213 | 44.846 | 27.849 | 16,997 | 41.0 | 43.8 |
| 18 to 21 years | 5,766 | 297 | 2,241 | 3.228 | 2,373 | 855 | 30.8 | 41.2 |
| 16 to 19 years | 3.346 | 168 | 1,761 | 1.417 | 1.050 | 367 | 27.0 | 40.8 |
| 16 to 17 vewr | 1.287 | 38 | 1.091 | +158 | 127 | 31 | 18.8 | 38.7 |
| 18 to 19 vears | 2.058 | 129 | 670 | 1.259 | 922 | 337 | 32.2 | 41.1 |
| 20 years and over 20 to 24 years | 47.109 | 1.229 | 2.451 | 43.429 | 26,798 | 16.631 | 42.0 | 43.8 |
| 20 to 24 years .. 25 years and over | 6,633 | 300 | -859 | 5.474 | 3,766 | 1.708 | 38.4 | 42.4 |
| 25 years and over | 40.477 | 927 | 1,592 | 37.958 | 23.034 | 14.924 | 42.6 | 44.1 |
| 26 to 44 veart 45 to 64 years | 24.259 | 596 | 532 | 23.131 | 13,606 | 9.525 | 43.3 | 44.4 |
| 45 to 64 years | 14.752 | 278 | 405 | 14,069 | 8,907 | 5.162 | 42.5 | 43.6 |
| 85 years and over | 1.466 | 53 | 654 | 759 | 523 | 236 | 30.0 | 42.3 |
| Fammes, 16 yeors and over | 38.704 | 1,894 | 9,129 | 27.681 | 22.458 | 5.223 | 34. 2 | 40.1 |
| 16 to 21 yeers | 5.555 | 383 | 2,435 | 2.737 | 2,371 | S. 366 | 27.8 | 39.0 |
| 18 to 19 years ... | 3.204 | 217 | 1.846 | 1.141 | 995 | 146 | 24.0 |  |
| 18 to 17 years | 1.211 | 48 | 1.060 | 103 | 97 | 6 | 16.5 | 35.6 |
| 18 to 19 yoars | 1.993 | 168 | 786 | 1.039 | 900 | 139 | 28.5 | 38.5 |
| 20 years and over | 35,500 | 1,679 | 7.283 | 26.538 | 21.458 | 5. 080 | 35.1 | 40.2 |
| 20 to 24 yeers | 5,977 | + 392 | 1,144 | 4,441 | 3.729 | 712 | 34.6 | 39.8 |
| 25 years and over | 29.523 | 1.287 | 6.139 | 22.097 | 17.729 | 4.368 | 35.2 | 40.3 |
| 26 to 44 yoers 48 to 64 years | 18,077 | 743 | 3.581 | 13,753 | 10.959 | 2.794 | 35.4 | 40.2 |
| 45 to 64 yoars . . . . . . . . . . . . 68 years and over . . . . . . | 10.463 982 | 499 | 2.044 | 7.920 | 6.456 | 1.464 | 35.5 | 40.3 |
| 65 years and over |  |  | 514 | 424 | 315 | 109 | 27.6 | 42.9 |
| RACE |  |  |  |  |  |  |  |  |
| White | 79.213 | 2.758 | 12.154 | 64.301 | 43,578 | 20,723 | 38.2 | 42.6 |
| Males . . | 45,447 | 1.214 | 3,834 | 40.399 | 24.434 | 15,965 | 41.2 | 44.0 |
| Famales | 33.766 | 1.544 | 8.319 | 23,903 | 19,145 | 4.758 | 34.1 | 40.2 |
| Malack end other |  | 532 | 1.188 | 8,226 | 6,729 | 1.497 | 37.0 | 40.6 |
| Males . . . . | 5,008 | 182 | 378 | 4.448 | 3.417 | 1,031. | 39.1 | 41.6 |
| Females | 4,938 | 350 | 810 | 3.778 | 3.313 | . 465 | 34.8 | 39.5 |
| mapital status |  |  |  |  |  |  |  |  |
| Males, 16 yoors and over: |  |  |  |  |  |  |  |  |
| Married, spouse present. | 35,039 | 711 | 1.248 | 33.080 | 19,889 | 13,191 | 42.8 |  |
| Widowed, divorced, or saparated | 3,930 | 165 | 211 | 3.554 | 2.271 | 1,283 | 41.2 | 43.5 |
| Single (never married) | 11,485 | 521 | 2.753 | 8,211 | 5.687 | 2,524 | 35.4 | 42.3 |
| Femoles, 16 yours and over: |  |  |  |  |  |  |  |  |
| Married, spouse present. . | 21,858 | 1.023 | 5.327 | 15,508 | 12,719 |  |  |  |
| Widowed, divorced, or separated | 7.372 | 361 | 1,067 | 5.944 | 4.626 | 1,318 | 36.8 | 40.8 |
| Single (nover married) . . . . . . | 9.474 | 511 | 2,735 | 6.228 | 5.112 | 1,116 | 32.3 | 40.0 |

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

| Oecupational wroup end wex | Pebruary 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Totat at wowk | On pert time for asomente remena | On veluntary part time | On full-time setradules |  |  |  | Average howns, total at work | Aversep hours, workers on fulltime schedules |
|  |  |  |  | Total | 40 hours or lew | 41 to 48 houra | 49 hourt or more |  |  |
| Total, 16 years and over . | 89.596 | 3.321 | 13.407 | 72.868 | 50.511 | 9. 126 | 13,231 | 38.0 | 42.4 |
| White-collar workers | 48.550 | 1.078 | 7.141 | 40.331 | 27. 207 | 4.732 | 8,392 | 38.8 | 42.8 |
| Professional and technical . . . . . . . . . . | 15.173 | 249 | 1.859 | 13.065 | 8,690 | 1. 540 | 2.835 | 39.6 | 42.9 |
| Managers and edministrators, except farm | 10.391 | 116 | 503 | 9.772 | 4.740 | 1.390 | 3,642 | 45.0 | 46.6 |
| Sales workers | 5.764 | 264 | 1.430 | 4.070 | 2.511 | . 557 | 1.002 | 36.0 | 43.5 |
| Clerical workers | 17.222 | 450 | 3,349 | 13.423 | 11.264 | 1.246 | 913 | 35.2 | 39.6 |
| Blu-collar workers . . . . . . . | 28.750 | 1.354 | 2. 112 | 25.284 | 17.909 | 3.618 | 3.757 | 39.3 | 41.9 |
| Craft and kindred workers | 11.571 | 406 | 432 | 10.733 | 7.259 | 1.639 | 1,835 | 40.6 | 42.2 |
| Operatives, except trensport | 9.923 | 518 | 591 | 8.814 | 6.746 | 1.211 | 857 | 38.9 | 41.0 |
| Transport equipment operatives. | 3.311 | 159 | 353 | 2.799 | 1.606 | 428 | 765 | 41.1 | 45.0 |
| Nonfarm laborers | 3.945 | 272 | 735 | 2.938 | 2.297 | 340 | 301 | 34.7 | 40.2 |
| Service workers | 12.296 | 889 | 4. 154 | 7.253 | 5. 395 | 776 | 1,082 | 32.1 | 41.9 |
| Private household | 1.023 | 120 | . 546 | . 357 | . 252 | 36 | . 69 | 23.4 | 42.3 |
| Other service workers | 11.273 | 769 | 3.608 | 6.896 | 5.144 | 739 | 1.013 | 32.9 | 41.9 |
| Males, 16 years and over. | 50.783 | 1.417 | 4. 239 | 45.127 | 28,010 | 6,432 | 10.685 | 41.0 | 43.8 |
| White-collar workers | 22.777 | 273 | 1.618 | 20.886 | 11.533 | 2.871 | 6.482 | 43.0 | 45.2 |
| Protessional and tectinical | 8.422 | 79 | 535 | 7.808 | 4.707 | . 956 | 2,145 | 42.6 | 44.5 |
| Managers and administrators, except farm | 7.682 | 71 | 245 | 7.366 | 3.231 | 1.056 | 3.079 | 46.3 | 47.4 |
| Seles workers | 3.232 | 66 | 365 | 2.801 | 1.532 | 430 | 839 | 41.2 | 44.8 |
| Clerical workers | 3.440 | 57 | 474 | 2.909 | 2,059 | 430 | 420 | 38.2 | 41.7 |
| Blue-collar workers . . . . . . . | 23.273 | 943 | 1.495 | 20.835 | 14. 192 | 3,115 | 3.528 | 40.0 | 42.4 |
| Craft and kindred workers | 10.866 | 382 | 331 | 10.153 | 6.819 | 1.562 | 1.772 | 40.9 | 42.3 |
| Operatives, except transport . . . | 5,945 | 207 | 318 | 5.420 | 3.847 | 836 | 737 | 40.2 | 42.0 |
| Transport equipment operatives | 3,011 | 133 | 209 | 2.669 | 1,524 | 403 | 742 | 42.2 | 45.1 |
| Nonfarm laborers | 3.450 | 223 | 637 | 2.590 | 1.999 | 315 | 276 | 34.8 | 40.3 |
| Service workers . . . . | 4.733 | 201 | 1. 126 | 3.406 | 2. 285 | 446 | 675 | 36.3 | 43.5 |
| Private household | 4.73 | - | . 10 | . 15 | 2. 9 | 1 | 5 | 35.3 | 53.1 |
| Other service workers | 4.708 | 202 | 1. 116 | 3.390 | 2,275 | 446 | 669 | 36.3 | 43.5 |
| Females, 16 years and over . . . | 38.814 | 1.904 | 9. 168 | 27.742 | 22,501 | 2,695 | 2.546 | 34.2 | 40.1 |
| White-collar workers ....... | 25.773 | 805 | 5.523 | 19.445 | 15.673 | 1,862 | 1.910 | 35.1 | 40.2 |
| Professional and technical . . . . . . . . . . . | 6,750 | 169 | 1.324 | 5.257 | 3,982 | . 584 | 691 | 35.8 | 40.6 |
| Managers and administrators, except farm Sales workers | 2.709 | 45 199 | 1.258 | 2,406 | 1,508 | 334 | 564 | 41.4 | 44.1 |
| Sales workers . . . . . . . . . . | 2.532 | 199 | 1.065 | 1.268 | . 978 | 127 | 163 | 29.5 | 40.5 |
| Clerical workers. | 13.781 | 393 | 2.875 | 10.513 | 9.204 | 816 | 493 | 34.5 | 39.0 |
| Blue-collar workers . . . . . . . | 5.478 | 411 | 617 | 4,450 | 3,718 | 503 | 229 | 36.3 | 39.7 |
| Craft and kindred workers ... | 705 | 24 | 103 | 580 | 440 | 77 | 63 | 37.0 | 40.6 |
| Operatives, except transport ... Transport equipment operatives | 3.978 | 312 | 273 | 3.393 | 2,898 | 375 | 120 | 37.1 | 35.4 |
| Transport equipment operatives | 299 | 27 | 144 | 128 | 80 | 25 | 23 | 29.5 | 42.3 |
| Nonfarm laborers ........ | 495 | 49 | 99 | 347 | 298 | 25 | 24 | 34.0 | 40.0 |
| Service workers ..... | 7.563 | 688 | 3.028 | 3.847 | 3.110 | 330 | 407 | 29.5 | 40.4 |
| Private howsehold . . . Other service workers | 7998 6.565 | 121 | . 535 | 342 3 | . 242 | $\begin{array}{r}36 \\ \\ \hline\end{array}$ | 64 | 23.1 | 41.9 |
| Other service workers | 6.565 | 567 | 2.493 | 3.505 | 2,867 | 294 | 344 | 30.5 | 40.3 |

## A-31. Employment status of 14-16 year-olds by sex and race

[Numbers in thousands]

| Employment status | February 1980 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  |  | White |  |  | Bleck and other |  |  |
|  | Both rexes | Males | Females | Both sexer | Malet | Fomales | Both rexes | Males | Females |
| Civilian noninstitutional population | 7.714 | 3.924 | 3.790 | 6.419 | 3,273 | 3.146 | 1.295 | 651 | 644 |
| Civilian labor force. | 1.141 | 576 | 565 | 1.063 | 531 | 532 | 77 | 44 | 33 |
| Employed | 996 | 493 | 502 | 954 | 469 | 485 | 42 | 25 | 17 |
| Agriculture . . . . | 57 | 43 | 14 | 56 | 42 | 14 | 2 | 1 | -- |
| Nonagricultural industries | 938 | 450 | 488 | 898 | 427 | 472 | 40 | 23 | 17 |
| Unemployed . . . . . | 145 | 82 | 62 | 109 | 63 | 46 | 35 | 19 | 16 |
| Unemployment rate. | 12.7 | 14.2 | 11.0 | 10.3 | 11.9 | 8.7 | 45.5 | (1) | (1) |
| Not in labor force. | 6.574 | 3.348 | 3.226 | 5.356 | 2.742 |  | 1.218 | 606 | 611 |
| Keeping house | 43 | 12 | 31 | 35 | 10 | 24 | 8 | 2 | 2 |
| Going to school | 6.375 | . 3.243 | 3.132 | 5.191 | 2.647 | 2.544 | 1. 184 | 596 | 588 |
| Unable to work. | 8 | 4 | 4 |  | 3 | 3 | 2 | 1 | 2 |
| All other reasons. | 148 | 90 | 58 | 125 | 81 | 43 | 23 | 8 | 15 |

1 Perchit not shown where base is leas than 75,000 .

A-32. Employed $\mathbf{1 4 - 1 5}$ year-olds by sex, class of worker, and occupation

| Characteristics | Pebruary 1980 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  | Percent distribution |  |  |
|  | Both raxes | Males | Femaies | Both rexes | Malos | Fomalcs |
| CLASS OF WORKER |  |  |  |  |  |  |
| Total | 996 | 493 | 502 | 100.0 | 100.0 | 100.0 |
| Nonagricultural industries | 938 | 450 | 488 | 94.3 | 91.1 | 97.0 |
| Wage and salary workers | 858 | 396 | 462 | 86.2 | 80.2 | 91.8 |
| Private nousehold workers | 313 | 51 | 262 | 31.5 | 10.3 | 52.1 |
| Government workers . . . . | 40 | 22 | 18 | 4.0 | 4.5 | 3.6 |
| Other wage and selary workers | 504 | 323 | 182 | 50.7 | 65.4 | 36.2 |
| Self-mployed workers | 74 | 53 | 22 | 7.4 | 10.7 | 4.4 |
| Unpsid family workers | 7 | 2 | 5 | . 7 | . 4 | 1.0 |
| Agriculture . $\quad$. ${ }^{\text {che. }}$, | 57 | 43 | 14 | 5.7 | 8.7 | 2.8 |
| Wage and silasy workers | 36 | 31 | 5 | 3.6 | 6.3 | 1.0 |
| Self-employed workers | 4 | 2 | 1 | . 4 | -4 | . 2 |
| Unpaid family workers | 17 | 10 | 8 | 1.7 | 2.0 | 1.6 |
| OCCUPATION |  |  |  |  |  |  |
| Total | 996 | 493 | 502 | 100.0 | 100.0 | 100.0 |
| White coller workers | 298 | 202 | 96 | 29.9 | 40.8 | 19.1 |
| Prolessional and technical | 17 | 8 | 9 | 1.7 | 1.6 | 1.8 |
| Managers and administrators, except farm . | -- | -- |  | , | -- |  |
| Salos workers .. | 215 | 178 | 37 | 21.6 | 36.0 | 7.4 |
| Clerical workers | 66 | 17 | 49 | 6.6 | 3.4 | 9.7 |
| Blue-collar workers | 106 | 97 | 10 | 10.7 |  | 2.0 |
| Cratt and kindred workers | 8 | 7 | 1 | . 8 | 1.4 | . 2 |
| Operatives, except transport | 30 | 24 | 6 | 3.0 | 4.8 | 1.2 |
| Transport equipment operatives | 3 | 4 | - | . 3 | . 8 | -- |
| Nontarm laberers | 65 | 62 | 4 | 6.5 | 12.5 | . 8 |
| Service workers | 533 | 151 | 382 | 53.6 | 30.5 | 75.9 |
| Private household workers | 300 | 33 | 268 | 30.2 | 6.7 | 53.3 |
| Other service workers | 233 | 118 | 115 | 23.4 | 23.8 | 22.9 |
| Farm workers | 58 | 44 | 14 | 5. 8 | 8.9 | 2.8 |
| Farmers and farm managers Farm laborers and supervisors | 4 54 | $4{ }^{3}$ | 1 | 5.4 | -6 6 | -2 |
| Farm laborers and supervisors | 54 | 41 | 13 | 5.4 | 8.3 | 2.6 |

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted
[Numbers in thousands]

| Employment status | 1979 |  |  |  |  |  |  |  |  |  |  | 1080 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | Apr. | May | June | July | Auq. | sept. | oct. | Nov. | Dee. | Jan. | Peb. |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total noninstitutional population ${ }^{1}$. . . | 162.633 | 162.909 | 163.008 | 163.260 | 163,469 | 163.685 | 163.891 | 164,106 | 164.468 | 164.682 | 164,898 | 165.101 | 165.298 |
| Armed Forces ${ }^{1}$ | 2.094 | 2.090 | 2.082 | 2.078 | 2,076 | 2,082 | 2,090 | 2,092 | 2,093 | 2.092 | 2,089 | 2.081 | 2,086 |
| Civilian noninstitutional population ${ }^{1}$. ${ }^{\text {a }}$ | 160.539 | 160.819 | 160.926 | 161,182 | 161,393 | 161.604 | 161.801 | 162.013 | 162.375 | 162.589 | 162.809 | 163.020 | 163,211 |
| Civilian labor force . . . . . . . . . . . . | 102.379 | 102.505 | 102. 198 | 102,398 | 102.476 | 103.093 | 102. 128 | 103,494 | 103.595 | 103.652 | 103.999 | 104. 229 | 104,260 |
| Percent of civilian population. | 63.8 | 63.7 | 63.5 | 63.5 | 63.5 | 63.8 | 63.7 | 63.9 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 |
| Employed . . . . . . . . . . . . . . . | 96.496 | 96.623 | 96. 254 | 96,495 | 96,652 | 97, 184 | 97,004 | 97.504 | 97.474 | 97.608 | 97.912 | 97.804 | 97.953 |
| Parcent of total population... | 59.3 | 59.3 | 59.0 | 59.1 | 59.1 | 59.4 | 59.2 | 59.4 | 59.3 | 59.3 | 59.4 | 59.2 | 59.3 |
| Agriculture . . . . . | 3.307 | 3.320 | 3.215 | - 3.246 | 3. 243 | 3.267 | 3.315 | 3.364 | 3,294 | 3.385 | 3.359 | 3.270 | 3.326 |
| Nonagricultural industries | 93.189 | 93.303 | 93.039 | 93.249 | 93.409 | 93.917 | 93.689 | 94.140 | 94,180 | 94, 223 | 94.553 | 94, 524 | 94,626 |
| Unemployed. . . . . | 5.883 | 5.882 | 5.944 | 5.903 | 5,824 | 5.909 | 6. 124 | 5.990 | 6.121 | 6.044 | 6.087 | 6.425 | 6.307 |
| Unemployment rate | 5.7 58.160 | 5.7 58.314 | 5.8 58.728 | 5.8 58.784 | 5.7 58.917 | 5.7 | 5.9 58.673 | 5.8 58.519 | 5.9 58.780 | 5.8 58.937 | 6.9 58.9 | $\begin{array}{r}6.2 \\ \hline 6.75\end{array}$ | $6.0$ |
| Not in labor force . . . . . . | 58.160 | 58.314 | 58.728 | 58,784 | 58,917 | 58.511 | 58,673 | 58.519 | 58.780 | 58.937 | 58.810 | $5 \varepsilon, 7 ¢ 1$ | 58.951 |
| Males, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total noninstitutional population ${ }^{1}$ | 69.476 | 69.612 | 69.663 | 69.787 | 69.889 | 69.995 | 70.099 | 70.205 | 70.380 | 70,487 | 70,594 | 70, 645 | 70.70 |
| Civilian noninstitutional population ${ }^{1}$. . | 67.816 | 67.939 | 67.997 | 68, 123 | 68. 227 | 68,319 | 68.417 | 68.522 | 68.697 | 68.804 | 68,940 | 69.047 | 69.140 |
| Civilian labor force .............. | 54,349 | 54,315 | 54,239 | 54.288 | 54,370 | 54.579 | 54,597 | 54,735 | 54.760 | 54,709 | 54,781 | 54, 855 | 55,025 |
| Percent of civilian population. | 80.1 | 79.9 | 79.8 | 79.7 | 79.7 | 79.9 | 79.8 | 79.9 | 79.7 | 79.5 | 79.5 | 79.4 | 70.E |
| Employed | 52.211 | 52,151 | 52.049 | 52,158 | 52,201 | 52.325 | 52.311 | 52.453 | 52.443 | 52,374 | 52.478 | 52, 270 | 52,531 |
| Percent of total population | 75.1 | 74.9 | 74.7 | 74.7 | 74.7 | 74.8 | 74.6 | 74.7 | 74.5 | 74.3 | 74.3 | 73.9 | 74.2 |
| Agriculture . . . . . . . . . | 2.329 | 2. 350 | 2. 295 | 2.301 | 2.305 | 2. 327 | 2. 375 | 2.377 | 2.371 | 2.438 | 2.427 | 2,387 | 2,435 |
| Nonagricultural industries | 49.882 | 49.801 | 49.754 | 49.857 | 49.896 | 49.998 | 49.936 | 50.076 | 50.072 | 49.936 | 50,051 | 49,892 | 50,096 |
| Unemployed | 2. 138 | 2.164 | 2.190 | 2.130 | 2, 169 | 2,254 | 2. 286 | 2. 282 | 2.317 | 2.335 | 2,303 | 2.577 | 2.507 |
| Unemployment rate | 3.9 | 4.0 | 4.0 | 3.9 | 4.0 | 4.1 | 4.2 | 4.2 | 4.2 | 4.3 | 4.2 | 4.7 | 4.6 |
| Not in labor force. | 13.467 | 13.624 | 13.758 | 13,835 | 13.857 | 13,740 | 13.820 | 13.787 | 13.937 | 14,095 | 14.159 | 14. 192 | 14.102 |
| Femalet, 20 years end over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total noninstitutional population ' . | 76.440 | 76. 589 | 76.645 | 76.782 | 76.896 | 77.014 | 77. 127 | 77.245 | 77.429 | 77,547 | 77,666 | 77.779 | 77.890 |
| Civilian noninstitutional population ${ }^{1}$ | 76.332 | 76.476 | 76. 532 | 76.670 | 76.784 | 76.897 | 77.006 | 77.124 | 77.308 | 77.426 | 77. 542 | 77,656 | 77.76 F |
| Civilian labor force . ............ | 38.399 | 38,574 | 38.415 | 38,619 | 38.653 | 39.033 | 39.304 | 39.239 | 39.362 | 39.445 | 39.659 | 39,878 | 30.857 |
| Percent of civilian population. | 50.3 | 50.4 | 50.2 | 50.4 | 50.3 | 50.8 | 51.0 | 50.9 | 50.9 | 50.9 | 51.1 | 51.4 | 51.3 |
| Employed . . . . . . . . . . . . . . | 36.197 | 36.362 | 36.216 | 36.411 | 36.457 | 36.873 | 27.000 | 37.075 | 37.112 | 37.248 | 37,402 | 37.574 | 37.604 |
| Percent of total population | 47.4 | 47.5 | 47.3 | 47.4 | 47.4 | 47.9 | 48.0 | 48.0 | 47.9 | 48.0 | 48.2 | 48.3 | 49.3 |
| Agriculture . ........... | 593 | 595 | 572 | 577 | 583 | 585 | 600 | 628 | 572 | -612 | 582 | 540 | 5E7 |
| Nonagritultural industries | 35.604 | 35,767 | 35.644 | 35.834 | 35.874 | 36.288 | 36.400 | 36.447 | 36.540 | 36,636 | 36,820 | 37.034 | 37.037 |
| Unemployed | 2,202 | 2.212 | 2.199 | 2. 208 | 2. 196 | 2. 160 | 2.304 | 2.164 | 2.250 | 2,197 | 2,257 | 2,304 | 2.254 |
| Unemployment rate. Not in lebor force . . . . . | 27.7 | 5.7 | 5.7 38.17 | 5.7 | 5.7 | 5.5 | 5.9 | +5.5 | $5.7$ | $5.6$ | 2.7 | 2.818 | $5.7$ |
| Not in lebor force | 37.933 | 37,902 | 38,117 | 38.051 | 38,131 | 37,864 | 37,702 | 37,885 | 37.946 | 37.981 | 37.883 | 37.778 | 37.909 |
| Both wexes, 18-19 yeers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total noninstitutional population ${ }^{1}$. . . . | 16.717 | 16.709 | 16.700 | 16,692 | 16.684 | 16.677 | 16.665 | 16.655 | 16.659 | 16.648 | 16.638 | 16.627 | 16,616 |
| Civilian noninstitutional population ${ }^{1}$. . | 16.391 | 16.404 | 16.397 | 16.389 | 16.381 | 16,387 | 16,377 | 16.367 | 16.370 | 16.360 | 16.326 | 16.317 | 16.305 |
| Civilian labor force | 9.631 | 9.616 | 9.544 | 9.491 | 9.453 | 9.481 | $9.227$ | 9.520 | 9.473 | 9.498 | 9.559 | 9.497 | 9.365 |
| Percent of civilian population. | 58.8 | 58.6 | 58.2 | 57.9 | 57.7 | 57.9 | 56.3 | 58.2 | 57.9 | 58.1 | 58.6 | 58.2 | 57.4 |
| Employed | 8.088 | 8,110 | 7.989 | 7.926 | 7.994 | 7.986 | 7.693 | 7.976 | 7.919 | 7.986 | 8,032 | 7.952 | 7.818 |
| Percent of total population. . . Agriculture | 48.4 | 48.5 | 47.8 | 47.5 | 47.9 | 47.9 | 46.2 | 47.9 | 47.5 | 48.0 | 48.3 | 47.8 | 47.1 |
| Agriculture <br> Nonagricultural industries | 385 7.703 | 375 7.735 | 348 7.641 | 368 7.558 | $\begin{array}{r}355 \\ 7 \\ \hline 639\end{array}$ | 355 7 | 340 $7 \quad 353$ | + 359 | + 351 | +335 | 350 | 344 | 325 |
| Nonagricultural industries . . . . . . Unemployed . . . . . . . . . . | 7.703 | 7.735 | 7.641 | 7.558 | 7.639 | 7.631 | 7.353 | 7.617 | 7.568 | 7.651 | 7.682 | 7.608 | 7.493 |
| Unemployed . . . . . . . . . . . . . . . . Unemployment rate . . . . . | 1.543 | 1.506 | 1.555 | 1.565 | 1.459 | 1.495 | 1. 534 | 1,544 | 1,554 | 1.512 | 1,527 | 1.545 | 1.547 |
| Unemployment rate <br> Not in labor force $\qquad$ | 16.0 6.760 | 15.7 6.788 | $\begin{array}{r} 16.3 \\ 6,853 \end{array}$ | 16.5 6.898 | 15.4 6.928 | 15.8 6.906 | 16.6 7,150 | 16.2 6.847 | 16.4 6.897 | 15.9 6.862 | 16.0 6.767 | 16.3 6.820 | $\begin{array}{r} 16.5 \\ 6.94 ? \end{array}$ |

1. The population and Armed Forces figures are not adjusted for seasonal
variations.

NOTE: Detsil for the household data shown in tables $A \cdot 33$ through $A-42$ will not necessarily add to totals, because of the independent seasonal adiustment of the various series.

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted
[Numbers in thousumas]

| Full- and pert-time employment status | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | Adr. | May | June | July | Aug. | Sedt. | oct. | Nov. | Dec. | Jan. | Feb. |
| fuLl time |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over: Civilian labor force | 87.264 | 87.408 | 87.412 | 87.397 | 87. 501 | 87,749 | 87.685 | 88.134 | 88.394 | 88,469 | 88, 576 | 88.627 | 8.3.747 |
| Employed. | 82.699 | 82.869 | 82.775 | 82.864 | 82.986 | 83.132 | 82,958 | 83.419 | 83.598 | 83,699 | 83,785 | 83.581 | 83:305 |
| Unemployed | 4.565 | 4.539 | 4.637 | 4.533 | 4.515 | 4.617 | 4.727 | 4.715 | 4.796 | 4.770 | 4.701 | 5,046 | 4,942 |
| Unemployment rate. | 5.2 | 5.2 | 5.3 | 5.2 | 5.2 | 5.3 | 5.4 | 5.3 | 5.4 | 5.4 | 5.4 | 5.7 | 5. |
| Part time |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over: Civilian labor force $\qquad$ | 15.147 | 15.024 | 14.806 | 14.962 | 15.064 | 15.448 | 15.535 | 15.275 | 15,165 | 15.158 | 15,411 | 15,666 | 15.5う1 |
| Employed ... | 13.810 | 13.673 | 13.515 | 13.573 | 13.762 | 14.161 | 14. 163 | 13.987 | 13.822 | 13.906 | 14.102 | 14, 302 | 14, 168 |
| Unemployed. | 1.337 | 1,351 | 1.291 | 1,389 | 1, 302 | 1,287 | 1. 372 | 1.288 | 1.343 | 1,252 | 1,309 | 1,364 | 1, 3 P \% |
| Unemployment rate | 8.8 | 9.0 | 8.7 | 9.3 | 8.6 | 8.3 | 8.8 | 8.4 | 8.9 | 8.3 | 8.5 | 8.7 | 8.5 |

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

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

| Charectaristics | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Peb. | Sar. | Adr. | Bay | June | Jul y | Aug. | Sept. | oct. | Nov. | Dec. | Jan. | Feb. |
| WHITE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Totad, 16 years and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ... | 85.786 | 90,260 | 88.996 | 90, 120 | 90.215 | 90,659 | 90.759 | 91.082 | 91.147 | 91.242 | 91.579 | 91.852 | 91.977 |
| Employed |  |  |  | 85.632 | 85.775 | 86,120 | 185,976 | 86,425 | 86,454 | 86,571 | 86,894 | 86.895 | 87.081 |
| Unemploved | 4.464 | 4.506 | 4.499 | 4.488 | 4.440 | 4.539 | 4.783 | 4.657 | 4.693 | 4,671 | 4,685 | 4,957 | 4.896 |
| Unemplovment rate | 4.9 | 5.0 | 5.0 | 5.0 | 4.9 | 5.0 | 5.3 | 5.1 | 5.1 | 5.1 | 5.1 | 5.4 | 5.3 |
| Males, 20 years and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 48.545 | 48.460 | 48.400 | 48.421 | 48,525 | 48.634 | 48.646 | 48.727 | 48,752 | 48,754 | 48,811 | 48,964 | 49.170 |
| Employed | 46.908 | 46,789 | 46,721 | 46.797 | 46.831 | 46.873 | 46.833 | 146,920 | 46,948 | 46,939 | 147.025 | 46.950 | 47.205 |
| Unemploved | 1,637 | 1.671 | 1.679 | 1,624 | 1.694 | 1.761 | 1.813 | 1.807 | 1.804 | 1.815 | 1.786 | 2.014 | 1,964 |
| Unemplovment rate | 3.4 | 3.4 | 3.5 | 3.4 | 3.5 | 3.6 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.1 | 4.0 |
| Females, 20 vears and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 33.151 | 33.238 | 33.122 | 33.286 | 33.288 | 33.604 | 33.879 | 33.858 | 33.946 | 33,979 | 34.205 | 34.411 | 34,444 |
| Employed | 31.489 | 31.569 | 31,479 | 31.617 | 31,649 | 31.986 | 32,126 | 32, 223 | 32.249 | 32.310 | 32.492 | 32.654 | 32,668 |
| Unemploved | 1.662 | 1.669 | 1.643 | 1.669 | 1.639 | 1.618 | 1.753 | 1.635 | 1.697 | 1.669 | 1.713 | 1.757 | 1.776 |
| Unemployment rate | 5.0 | 5.0 | 5.0 | 5.0 | 4.9 | 4.8 | 5.2 | 4.8 | 5.0 | 4.9 | 5.0 | 5.1 | 3.2 |
| Both sexes, 16 to 19 years: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 8.554 | 8.562 | 8.474 | 8.413 | 8,402 | 8.421 | 8.234 | 8.497 | 8.449 | 8,509 | 8,563 | 8,477 | 8,363 |
| Employed | 7.389 | 7.396 | 7. 297 | 7.218 | 7.295 | 7.261 | 7.017 | 7.282 | 7.257 | 7.322 | 7.377 | 7.291 | 7,207 |
| Unemployed | 1.165 | 1.166 | 1.177 | 1.195 | 1.107 | 1.160 | 1.217 | 1.215 | 1,192 | 1.187 | 1,186 | 1. 186 | 1.156 |
| Unemployment rate | 13.6 | 13.6 | 13.9 | 14.2 | 13.2 | 13.8 | 14.8 | 14.3 | 14.1 | 13.9 | 13.9 | 14.0 | 13.8 |
| black and other |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 12.177 | 12.238 | 12.191 | 12.219 | 12.260 | 12,386 | 12,343 | 12,404 | 12,512 | 12.391 | 12.432 | 12,453 | 12,362 |
| Emploved | 10.746 | 10.860 | 10.767 | 10.816 | 10,887 | 11.023 | 10,982 | 11.063 | 11.076 | 11.044 | 11,024 | 10,979 | 10,937 |
| Unemploved | 1.431 | 1.378 | 1.424 | 1.403 | 1, 373 | 1.363 | 1,361 | 1, 341 | 1,436 | 1.347 | 1.408 | 1.474 | 1,424 |
| Unemployment rate | 11.8 | 11.3 | 11.7 | 11.5 | 11.2 | 11.0 | 11.0 | 10.8 | 11.5 | 10.9 | 11.3 | 11.8 | 11.5 |
| Males, 20 years and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 5.830 | 5.852 | 5.823 | 5.847 | 5,889 | 5,961 | 5,956 | 5,989 | 6,003 | 5,927 | 5.954 | 5.925 | 5,914 |
| Employed | 5,327 | 5.340 | 5.324 | 5.358 | 5.414 | 5,463 | 5,471 | 5,510 | 5,486 | 5,429 | 5,439 | 5.358 | 5,368 |
| Unemployed | 503 | 512 | 499 | 489 | 475 | 498 | 485 | 479 | 517 | 498 | 515 | 567 | 546 |
| Unemployment rate | 8.6 | 8.7 | 8.6 | 8.4 | 8.1 | 8.4 | 8.1 | 8.0 | 8.6 | 8.4 | 8.6 | - 9.6 | 9.2 |
| Females, 20 years and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 5,260 | 5.333 | 5. 296 | 5.309 | 5.357 | 5,398 | 5,395 | 5,388 | 5.476 | 5,455 | 5.467 | 5,493 | 5.414 |
| Employed.. | 4,711 | 4.799 | 4.739 | 4.779 | 4.799 | 4.857 | 4,842 | 4.858 | 4.920 | 4,937 | 4.921 | 4.944 | 4,928 |
| Unemployed . . . . | 549 | 534 | 557 | 530 | . 558 | 541 | 553 | 530 | 556 | 518 | 546 | 549 | + 486 |
| Unemployment rate | 10.4 | 10.0 | 10.5 | 10.0 | 10.4 | 10.0 | 10.3 | 9.8 | 10.2 | 9.5 | 10.0 | 10.0 | 9.0 |
| Both sexes, 16 to 19 years: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 1.087 | 1.053 | 1.072 | 1.063 | 1.014 | 1,027 | 992 | 1.027 | 1,033 | 1.009 | 1.011 | 1,035 | 1.034 |
| Employed... | 708 | 721 | 704 | 679 | 674 | 703 | 669 | 695 | 670 | 678 | 664 | 677 | 642 |
| Unemployed . ..... Unemployment rate | 379 349 | 332 | 368 | 384 | 340 | 324 | 323 | 332 | 363 | 331 | 347 | 358 | 392 |
| Unemployment rate | 34.9 | 31.5 | 34.3 | 36.1 | 33.5 | 31.5 | 32.6 | 32.3 | 35.1 | 32.8 | 34.3 | 34.6 | 37.9 |

A-36. Major unemployment indicators, seasonally adjusted

| 8olveted catagorias | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Peb. | Mar. | Adr. | May | June | July | Aug. | Sept. | oct. | nov. | Dec. | Jan. | Feb. |
| characteristice |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Toual (all civillan workers) | 5.7 | 5.7 | 5.8 | 5.8 | 5.7 | 5.7 | 5.9 | 5.8 | 5.9 | 5.8 | 5.9 | 6.2 | 6.0 |
| Meles, 20 yours end over | 3.9 | 4.0 | 4.0 | 3.9 | 4.0 | 4.1 | 4.2 | 4.2 | 4.2 | 4.3 | 4.2 | 4.7 | 4.6 |
| Femmeses, 20 yerrs and over | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.5 | 5.9 | 5.5 | 5.7 | 5. 6 | 5.7 | 5.8 | 5.7 |
| Both sexen, 18.19 ycers | 16.0 | 15.7 | 16.3 | 16.5 | 15.4 | 15.8 | 16.6 | 16.2 | 16.4 | 15.9 | 16.0 | 16.3 | 16.5 |
| White | 4.9 | 5.0 | 5.0 | 5.0 | 4.9 | 5.0 | 5.3 | 5.1 | 5.1 | 5.1 | 5.1 | 5.4 | 5.3 |
| Black and other. | 11.8 | 11.3 | 11.7 | 11.5 | 11.2 | 11.0 | 11.0 | 10.8 | 11.5 | 10.9 | 11.3 | 11.8 | 11.5 |
| Married men, spouse provent | 2.6 | 2.6 | 2.7 | 2.5 | 2.7 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 3.4 | 3.1 |
| Married wommen, pooust provent | 5.3 | 5.2 | 5.2 | 5.2 | 5.1 | 4.9 | 5.3 | 4.8 | 5.2 | 4.8 | 5.0 | 5.2 | 5.4 |
| Women who heed fomilies | 8.3 | 8.2 | 8.3 | 8.6 | 9.0 | 8.1 | 7.9 | 7.7 | 8.4 | 8.4 | 8.4 | 9.2 | 8.5 |
| Full-ilme workers | 5.2 | 5.2 | 5.3 | 5.2 | 5.2 | 5.3 | 5.4 | 5.3 | 5.4 | 5.4 | 5.4 | 5.7 | 5.6 |
| Part-time workers | 8.8 | 9.0 | 8.7 | 9.3 | 8.6 | 8.3 | 8.8 | 8.4 | 8.9 | 8.3 | 8.5 | 8.7 | 8.9 |
| Unemployed 16 weeks and over ${ }^{\text {I }}$ | 1.2 | 1.3 | 1.2 | 1. 2 | 1.1 | 1.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 1.3 | 1.2 |
| Lobor force time lont ${ }^{2}$. . . . . . . . | 6.2 | 6.2 | 6.4 | 6.3 | 6.3 | 6.4 | 6.4 | 6.2 | 6.4 | 6.4 | 6.4 | 6.7 | 6.6 |
| OCCUPATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| White-coller workers. | 3.4 | 3.3 | 3.3 | 3. 2 | 3.4 | 3.3 | 3.5 | 3.3 | 3.4 | 3.2 | 3.3 | 3.4 | 3.4 |
| Protesalonal and technical | 2.4 | 2.2 | 2.3 | 2.1 | 2.5 | 2.5 | 2.5 | 2.4 | 2.7 | 2.4 | 2.3 | 2.2 | 2.3 |
| Managers and adminilstratori, except farm | 2.0 | 2.1 | 2.3 | 2.2 | 2.1 | 2.0 | 2.3 | 2.2 | 2.2 | 1.9 | 2.0 | 1.9 | 2.2 |
| Sales workers | 4.2 | 4.1 | 4.0 | 4.0 | 4.4 | 3.5 | 4.0 | 3.8 | 3.8 | 3:7 | 3.8 | 4.4 | 4.5 |
| Cloricel workers | 4.7 | 4.8 | 4.5 | 4.5 | 4.6 | 4.5 | 4.9 | 4.5 | 4.7 | 4.4 | 4.6 | 4.8 | 4.7 |
| Blue-coller workers | 6.5 | 6.6 | 6.9 | 6.8 | 6.6 | 6.8 | 7.3 | 7.1 | 7.2 | 7.5 | 7.2 | 8.0 | 7.7 |
| Crast and kindred workers | 4.5 | 4.5 | 4.4 | 4.2 | 4.3 | 4.4 | 4.7 | 4.3 | 4.6 | 4.9 | 4.4 | 4.9 | 4.8 |
| Operativen, except trensport | 7.8 | 7.8 | 8.5 | 8. 2 | 7.7 | 8.3 | 8.9 | 9.0 | 9.1 | 9.0 | 9.0 | 9.9 | 9.2 |
| Transport ogulpment operatives | 5.0 | 5.2 | 5.9 | 5.4 | 5.7 | 5.1 | 6.2 | 6.1 | 5.6 | 5.2 | 5.0 | 6.9 | 6.7 |
| Nonfarm laborers | 9.7 | 10.2 | 10.6 | 11.1 | 10.6 | 11.0 | 11.3 | 11.0 | 10.7 | 12.2 | 12.2 | 12.3 | 12.0 |
| Service workert.. | 7.3 | $7 \cdot 3$ | 7.3 | 7.2 | 7.2 | 7.1 | 7.1 | 6.7 | 6.8 | 6.6 | 6.6 | C. 9 | 6.9 |
| Farm workers | 3.4 | 3.3 | 3.4 | 3.6 | 3.2 | 4.2 | 3.9 | 4.1 | 4.3 | 4.5 | 4.3 | 4.4 | 3.9 |
| industay |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nonagricultural private woge and salary workeri ${ }^{3}$ | 5.6 | 5.6 | 5.7 | 5.7 | 5.6 | 5.7 | 6.0 | 5.8 | 5.9 | 5.8 | 5.8 | 6.2 | 6.0 |
| Construction ... | 10.9 | 10.1 | 10.5 | 10.0 | 10.0 | 10.0 | 10.1 | 9.6 | 9.9 | 10.2 | 10.3 | 10.8 | 10.5 |
| Manutecuring . | 4.9 | 5.2 | 5.3 | 5.4 | 5.4 | 5.7 | 5.9 | 6.0 | 6.0 | 5.9 | 5.9 | 6.7 | 6.4 |
| Durable goods | 4.2 | 4.4 | 4.7 | 4.4 | 4.9 | 5.4 | 5.4 | 5.3 | 5.5 | 5.6 | 5.5 | 6.7 | 6.3 |
| Nondurable goods | 5.9 | 6.4 | 6.3 | 6.9 | 6.3 | 6.2 | 6.8 | 7.1 | 6.8 | 6.3 | 6.4 | 6.8 | 6.7 |
| Transportation | 3. 2 | 3. 9 | 3.0 | 3.6 | 3.1 | 3.8 | 3.7 | 4.0 | 3.8 | 4.2 | 4.1 | 4.4 | 4.4 |
| Wholeste and retall trade | 6.5 | 6.3 | 6.6 | 6. 4 | 6.7 | 6.3 | 6.5 | 6.4 | 6.4 | 6.5 | 6.4 | 6.6 | 6.4 |
| Finances and servics industries | 4.8 | 4.8 | 4.8 | 4.9 | 4.7 | 4.9 | 5.2 | 4.7 | 4.9 | 4.6 | 4.7 | 4.6 | 4.6 |
| Government workers | 3.8 | 4.1 | 3.7 | 3.6 | 3.6 | 3.6 | 3.7 | 3.3 | 4.0 | 3.6 | 3.6 | 3.8 | 4.0 |
| Agricultural woge and malary workert | 8.6 | 8.0 | 8.7 | 9.3 | 7.8 | 9.7 | 9.9 | 10.0 | 9.9 | 10.1 | 9.4 | 10.3 | 9.2 |

1 Unemployment as a percent of civilian labor force.
2 Aggregate hours lost by the unemployed and persons on part-time for economic reasons
as a percent of potentially available labor force hours.
3 Includes mining, not shown separately.

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

| Weoks of unamployment | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | Apr. | May | June | July | Auq. | Sept. | oct. | Nov. | Dec. | Jan. | Feb. |
| DURATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Both sexen. 18 vears and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Less than 5 weekz | 2.779 | 2,769 | 2,876 | 2.823 | 2.880 | 2,820 | 3,168 | 2.778 | 2.955 | 2,919 | 2,916 | 3,184 | 2,995 |
| 5 to 14 weeks | 1.877 | 1.860 | 1,884 | 1.919 | 1.808 | 1.934 | 1.738 | 2.035 | 1.963 | 1.869 | 1.966 | 1,907 | 2,081 |
| 15 weeks and over | 1.239 | 1.291 | 1.223 | 1.212 | 1. 152 | 1,067 | 1, 185 | 1.152 | 1,195 | 1.191 | 1.230 | 1.334 | 1,286 |
| 15 to 26 woeks | 700 | 729 | 687 | 705 | 656 | 615 | 658 | 644 | 678 | 660 | 711 | 795 | 790 |
| 27 weeks and over. | 539 | 562 | 536 | 507 | 496 | 452 | 527 | 508 | 517 | 531 | 519 | 539 | 496 |
| Average (mean) duration, in weeks | 11.3 | 11.8 | 11.0 | 10.9 | 10.5 | 10.1 | 10.7 | 10.7 | 10.5 | 10.6 | 10.5 | 10.5 | 10.7 |
| Median duration, in weeks | 5.9 | 5.8 | 5.4 | 5.6 | 5.6 | 6.0 | 4.9 | 5.8 | 5.5 | 5.3 | 5.5 | 5.2 | 5.8 |
| Percent distribution |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unamployed.. | 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 woeks | 47.1 | 46.8 | 48.1 | 47.4 | 49.3 | 48.4 | 52.0 | 46.6 | 48.3 | 48.8 | 47.7 | 49.6 | 47.1 |
| 5 to 14 wekt | 31.8 | 31.4 | 31.5 | 32.2 | 31.0 | 33.2 | 28.5 | 34.1 | 32.1 | 31.3 | 32.2 | 29.7 | 32.7 |
| 15 woeks and over. | 21.0 | 21.8 | 20.4 | 20.4 | 19.7 | 18.3 | 19.5 | 19.3 | 19.5 | 19.9 | 20.1 | 20.8 | 20.2 |
| 15 to 26 mokkı. . | 11.9 | 12.3 | 11.5 | 11.8 | 11.2 | 10.6 | 10.8 | 10.8 | 11.1 | 11.0 | 11.6 | 12.4 | 12.4 |
| 27 mokss and over. . | 9.1 | 9.5 | 9.0 | 8.5 | 8.5 | 7.8 | 8.7 | 8.5 | 8.5 | 8.9 | 8.5 | 8.4 | 7.8 |

## HOUSEHOLD DATA

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

| Sex and age | 1979 |  |  |  |  |  |  |  |  |  |  | 1990 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | нaг. | Adr. | May | June | July | Aug. | Sept. | oct. | Nov. | Dec. | Jan. | Feb. |
| Total, 16 yeers and over. | 5.7 | 5.7 | 5.8 | 5.8 | 5.7 | 5.7 | 5.9 | 5.8 | 5.9 | 5.8 | 5.9 | 6.2 | 6.0 |
| 16 to 19 years | 16.0 | 15.7 | 16.3 | 16.5 | 15.4 | 15.8 | 16.6 | 16.2 | 16.4 | 15.9 | 16.0 | 16.3 | 16.5 |
| 16 to 17 years | 18.5 | 18.5 | 18.7 | 18.9 | 17.5 | 17.3 | 18.5 | 16.9 | 18.4 | 17.3 | 18.0 | 19.0 | 18.7 |
| 18 to 19 years | 14.3 | 13.5 | 14.3 | 15.0 | 14.4 | 14.5 | 15.4 | 15.6 | 15.0 | 14.7 | 14.5 | 14.0 | 15.1 |
| 20 to 24 years | 8.6 | 8.8 | 8.6 | 8.9 | 8.9 | 9.1 | 9.3 | 9.2 | 9.6 | 8.8 | 9.8 | 10.1 | 9.5 |
| 25 years and over | 3.9 | 3.9 | 4.0 | 3.9 | 3.9 | 3.9 | 4.0 | 3.9 | 4.0 | 4.0 | 3.8 | 4.2 | 4.1 |
| 25 to 54 years | 4.1 | 4. 1 | 4.2 | 4.0 | 4.1 | 4.0 | 4.2 | 4.1 | 4.2 | 4.3 | 4.1 | 4.4 | 4.5 |
| 55 years and over | 3.0 | 3.1 | 3.1 | 3.1 | 2.9 | 3.2 | 3.1 | 2.9 | 3.0 | 2.7 | 2.7 | 3.5 | 2.8 |
| Males, 16 vears and over. | 5.0 | 5.0 | 5.1 | 5.0 | 4.9 | 5.1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.7 | 5.5 |
| 16 to 19 years | 16.1 | 15.8 | 16.0 | 16. 1 | 14.5 | 15.4 | 16.3 | 16.1 | 15.7 | 15.8 | 15.6 | 16.2 | 15.6 |
| 16 to 17 years | 19.2 | 18.9 | 17.9 | 18.9 | 16.8 | 16.1 | 18.0 | 16.7 | 17.1 | 17.8 | 17.9 | 19.0 | 13.0 |
| 18 to 19 vears | 14.2 | 13.6 | 14.1 | 14.0 | 14.0 | 14.8 | 15.1 | 15.3 | 14.4 | 14.0 | 13.6 | 13.9 | 14.1 |
| 20 to 24 years | 8.1 | 8.3 | 8.0 | 8.2 | 8.3 | 8.8 | 8.8 | 8.8 | 9.5 | 8.4 | 9.4 | 10.4 | 9.9 |
| 25 year: and over | 3.2 | 3.2 | 3.3 | 3. 1 | 3.2 | 3.3 | 3.4 | 3.3 | 3.4 | 3.5 | 3.2 | 3.7 | 3.6 |
| 25 to 3 : years | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.4 | 3.5 | 3.6 | 3.5 | 3.8 | 3.4 | 3.8 | 3.8 |
| 55 year: and over | 2.8 | 2.8 | 3.0 | 2.8 | 3.1 | 3.3 | 3.1 | 2.8 | 2.8 | 2.6 | 2.6 | 3.5 | 2.6 |
| Fenisites, 16 vears and over. . | 6.8 | 6.8 | 6.9 | 6.9 | 6.8 | 6.6 | 7.0 | 6.6 | 6.9 | 6.6 | 6.8 | 6.8 | 6.8 |
| 16 to 15 years ... | 15.9 | 15. 5 | 16.6 | 16.9 | 16.5 | 16.2 | 17.0 | 16.4 | 17.2 | 16.1 | 16.4 | 16.3 | 17.6 |
| 15 to 17 years | 17.7 | 18.0 | 19.6 | 18.8 | 18.3 | 18.6 | 19.0 | 17.2 | 19.8 | 16.7 | 18.0 | 19.1 | 19.5 |
| 18 to 19 years | 14.5 | 13.3 | 14.5 | 16.0 | 14.9 | 14.2 | 15.7 | 15.9 | 15.6 | 15.5 | 15.5 | 14.2 | 16.2 |
| 20 to 24 years | 9.3 | 9.5 | 9.4 | 9.7 | 9.7 | 9.4 | 9.8 | 9.6 | 9.7 | 9.3 | 10.2 | 9.8 | 9.1 |
| 25 years and over | 5.0 | 4.9 | 4.9 | 4.9 | 4.8 | 4.7 | 4.9 | 4.6 | 4.9 | 4.7 | 4.7 | 4.9 | 4.9 |
| 25 to 54 years | 5.4 | 5.3 | 5.3 | 5.2 | 5.2 | 5.0 | 5.3 | 5.0 | 5.2 | 5.0 | 5.1 | 5.2 | 5.4 |
| 55 years and over | 3.3 | 3.6 | 3.2 | 3.6 | 2.8 | 2.1 | 3.2 | 2.9 | 3.4 | 2.9 | 2.9 | 3.4 | 3.0 |

A-39. Unemployed persons by reason for unemployment, seasonally adjusted
[Numbers in thousands]

| Reason for unemployment | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | A Dr. | May | June | July | Aug. | Sept. | Oct. | Sov. | Dec. | Jan. | Feb. |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Both sexes, 16 vears and over: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers ....... | 2.475 | 2.457 | 2.520 | 2.356 | 2.449 | 2.526 | 2,680 | 2,632 | 2,731 | 2,729 | 2,728 | 2,988 | 2.907 |
| On layoff..... | . 779 | . 791 | - 839 | 725 | 816 | 797 | 915 | . 855 | 2, 929 | . 987 | . 944 | 1,019 | 1,031 |
| Other job losers | 1.696 | 1,666 | 1.681 | 1.631 | 1.633 | 1.729 | 1,765 | 1.777 | 1,802 | 1,742 | 1,784 | 1.969 | 1,876 |
| Job leavers. . . . . . . . | + 828 | - 864 | - 847 | + 940 | - 857 | + 846 | . 875 | . 825 | 835 | 845 | . 800 | -779 | 813 |
| Reentrants... | 1,766 | 1.766 | 1.778 | 1.767 | 1.753 | 1.762 | 1.788 | 1.760 | 1.762 | 1,698 | 1,771 | 1,797 | 1.784 |
| New entrants. | 858 | 808 | 800 | 824 | 781 | 726 | 745 | 801 | 804 | . 736 | +858 | 811 | - 827 |
| PERCENT DIStribution |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemploved | 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., | 41.8 | 41.7 | 42.4 | 40.0 | 41.9 | 43.1 | 44.0 | 43.7 | 44.5 | 45.4 | 44.3 | 46.9 | 45.9 |
| On leyotf. | 13.1 | 13.4 | 14.1 | 12.3 | 14.0 | 13.6 | 15.0 | 14.2 | 15.2 | 16.4 | 15.3 | 16.0 | 16.3 |
| Other job losers | 28.6 | 28.3 | 28.3 | 27.7 | 28.0 | 29.5 | 29.0 | 29.5 | 29.4 | 29.0 | 29.0 | 30.9 | 29.6 |
| Job leavers. . . . . . | 14.0 | 14.7 | 14.2 | 16.0 | 14.7 | 14.4 | 14.4 | 13.7 | 13.6 | 14.1 | 13.0 | 12.2 | 12.8 |
| Reentrants... | 29.8 | 30.0 | 29.9 | 30.0 | 30.0 | 30.1 | 29.4 | 29.2 | 28.7 | 28.3 | 28.8 | 28.2 | 28.2 |
| New entrants. | 14.5 | 13.7 | 13.5 | 14.0 | 13.4 | 12.4 | 12.2 | 13.3 | 13.1 | 12.3 | 13.9 | 12.7 | 13.1 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers. . . . . . . . . . . . . . . . . . . . . . . | 2.4 | 2.4 | 2.5 | 2.3 | 2.4 | 2.5 | 2.6 | 2.5 | 2.6 | 2.6 | 2.6 | 2.9 |  |
| Job leavers. | -8 | . 8 | . 8 | . 9 | . 8 | . 8 | . 8 | . 8 | . 8 | . 8.8 | 2.6 | 2.9 | 2.8 |
| Reentrants.... | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.7 | 1.7 | 1.7 |
|  |  |  |  |  | -8 | $\cdot 7$ | - 7 | $\bullet 8$ | -8 | . 7 | - 8 | . 8 | -8 |

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

| Sax and ape | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Har. | Adr. | May | June | July | Aug. | Sept. | Oct. | Mov. | Dec. | Jan. | Feb. |
| Total, 16 yeers and over | 96.496 | 96.623 | 96. 254 | 96,495 | 96,652 | 97. 184 | 97.004 | 97.504 | 97.474 | 97.608 | 97.912 | 97.804 | 97.953 |
| 16 to 19 years | 8.088 | 8.110 | 7.989 | 7.926 | 7.994 | 7.986 | 7.693 | 7,976 | 7,919 | 7,986 | 8.032 | 7.952 | 7.816 |
| 16 to 17 years | 3.345 | 3.320 | 3. 275 | 3.212 | 3.252 | 3.242 | 3.048 | 3,335 | 3.251 | 3,315 | 3. 320 | 3.247 | 3.120 |
| 18 to 19 years | 4.747 | 4.781 | 4.723 | 4.699 | 4.704 | 4.725 | 4.623 | 4.665 | 4.674 | 4.694 | 4.717 | 4.726 | 4.722 |
| 29 to 24 years | 13.943 | 13,914 | 13.937 | 13.867 | 13,859 | 13.910 | 13.849 | 13.949 | 13.875 | 13.920 | 13.837 | 13,819 | 13,846 |
| 25 vears and over | 74.465 | 74.575 | 74.296 | 74,711 | 74,864 | 75.290 | 75,436 | 75,616 | 75., 728 | 75.650 | 76.030 | 76,080 | 76.295 |
| 25 to 54 years | 60.070 | 60.236 | 60.092 | 60.331 | 60,552 | 60,986 | 61,082 | 61,208 | 61,302 | 61,281 | 61.686 | 61,799 | E1.815 |
| 55 years and over | 14.393 | 14.364 | 14.241 | 14.311 | 14.305 | 14.304 | 14.399 | 14,381 | 14.417 | 14.368 | 14,350 | 14, 292 | 14.464 |
| Males, 16 years and over ......... | 56.476 | 56.449 | 56,294 | 56,372 | 56,477 | 56,570 | 56. 408 | 56.714 | 56,629 | 56.580 | 56,734 | 56,486 | 56.732 |
| 16 to 19 years... | 4.265 | 4.298 | 4. 245 | 4.214 | 4.276 | 4.245 | 4.097 | 4.261 | 4.186 | 4.206 | 4.256 | 4.207 | 4.201 |
| 16 to 17 years | 1.777 | 1.784 | 1,774 | 1.745 | 1.754 | 1.743 | 1.632 | 1,839 | 1.758 | 1.755 | 1.783 | 1.745 | 1.719 |
| 18 to 19 years | 2.479 | 2,509 | 2.473 | 2,470 | 2.489 | 2.485 | 2.445 | 2.452 | 2.430 | 2,462 | 2.477 | 2.478 | 2,494 |
| 20 to 24 years. | 7.568 | 7.519 | 7,593 | 7,519 | 7,530 | 7,510 | 7.498 | 7,590 | 7.531 | 7.533 | 7.498 | 7.441 | 7.477 |
| 25 years and over | 44.640 | 44.636 | 44.418 | 44,658 | 44,681 | 44.806 | 44.818 | 44,912 | 44.924 | 44.796 | 44.966 | 44.883 | 45.070 |
| 25 to 54 years | 35.760 | 35.828 | 35,701 | 35.857 | 35,921 | 36.020 | 35.962 | 36.052 | 36,100 | 36,020 | 36,206 | 36.161 | 30.13 E |
| 55 years and over | 8.868 | 8.840 | 8.746 | 8,802 | 8.767 | 8.789 | 8.831 | 8.844 | 8,793 | 8,782 | 8,759 | 8,723 | 9.904 |
| Females, 16 years and over $\qquad$ | 40.020 | 40.174 | 39.960 | 40.123 | 40,175 | 40,614 | 40.596 | 40.790 | 40.845 | 41.028 | 41,178 | 41,318 | 41,221 |
| 16 to 19 years | 3.823 | 3.812 | 3.744 | 3.712 | 3.718 | 3.741 | 3.596 | 3.715 | 3,733 | 3.780 | 3,776 | 3.744 | 3.6.17 |
| 16 to 17 years | 1.568 | 1,536 | 1. 501 | 1.467 | 1.498 | 1.499 | 1.416 | 1.496 | 1,493 | 1,560 | 1,537 | 1,502 | 1,401 |
| 18 to 19 years | 2,268 | 2.272 | 2.250 | 2.229 | 2,215 | 2.240 | 2. 178 | 2, 213 | 2.244 | 2.232 | 2. 2.40 | 2,248 | 2. 228 |
| 20 to 24 years | 6.375 | 6,395 | 6,344 | 6.348 | 6.329 | 6.400 | 6.351 | 6.359 | 6.344 | 6.387 | 6,339 | 6.377 | 6.369 |
| 25 vears and over | 29,825 | 29,939 | 29,878 | 30,053 | 30,183 | 30.484 | 30.618 | 30.704 | 30.804 | 30.854 | 31,064 | 31. 197 | 31,225 |
| 25 to 54 years | 24.310 | 24.408 | 24.391 | 24,474 | 24.631 | 24.966 | 25, 120 | 25.156 | 25,202 | 25, 261 | 25.480 | 25.638 | 25,679 |
| 55 years and over | 5.525 | 5.524 | 5.495 | 5,509 | 5.538 | 5.515 | 5.568 | 5.537 | 5,624 | 5,586 | 5.591 | 5.569 | 5,560 |

A-41. Unemployed persons by sex and age, seasonally adjusted
Itn thousands]

| Sex and age | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | Apr. | May | June | July | Auq. | Sept. | Oct. | NOV. | Dec. | Jan. | Feb. |
| Totat, 16 years and over. | 5.883 | 5,882 | 5,944 | 5.903 | 5.824 | 5.909 | 6, 124 | 5.990 | 6,121 | 6,044 | 6,087 | 6.425 | 6,307 |
| 16 to 19 years. | 1.543 | 1.506 | 1.555 | 1.565 | 1.459 | 1.495 | 1.534 | 1.544 | 1.554 | 1.512 | 1,527 | 1. 5.45 | 1. 547 |
| 16 to 17 vears. | 759 | 754 | 754 | 747 | 690 | 676 | 690 | 680 | 732 | 692 | + 728 | 764 | 716 |
| 18 to 19 years. | 794 | 745 | 790 | 829 | 791 | 803 | 841 | 860 | 825 | 811 | 802 | 772 | 841 |
| 20 to 24 years. . | 1.315 | 1.346 | 1.316 | 1,355 | 1.359 | 1.386 | 1.415 | 1.413 | 1.470 | 1.346 | 1.505 | 1.5.24 | 1.458 |
| 25 years and over. | 3.021 | 3.025 | 3.071 | 2,997 | 3,005 | 3.041 | 3.155 | 3,036 | 3.140 | 3. 168 | 3.040 | 3.326 | 3.300 |
| 25 to 54 vears. | 2.581 | 2.572 | 2.606 | 2.520 | 2,562 | 2.567 | 2,697 | 2,647 | 2,698 | 2,744 | 2.650 | 2. 818 | 2.393 |
| 55 years and over. | 442 | 460 | 456 | 465 | 434 | 478 | 467 | 422 | 449 | 403 | 200 | 512 | 412 |
| Males, 16 years and over | 2.958 | 2.972 | 2.999 | 2,941 | 2,893 | 3.027 | 3.083 | 3,098 | 3.098 | 3. 124 | 3.089 | 3.397 | 3.282 |
| 16 to 19 vears. | 820 | 808 | 809. | 811 | 724 | 773 | 797 | 816 | 781 | 789 | 786 | 815 | 776 |
| 16 to 17 years | 422 | 416 | 387 | 407 | 355 | 334 | 358 | 370 | 363 | 380 | 390 | 410 | 377 |
| 18 to 19 years | 410 | 395 | 407 | 403 | 404 | 431 | 436 | 442 | 410 | 402 | 391 | 390 | 411 |
| 20 to 24 vears. | 664 | 678 | 659 | 674 | 682 | 723 | 724 | 734 | 789 | 692 | 782 | 860 | 817 |
| 25 years and over | 1.463 | 1.479 | 1.525 | 1,451 | 1.483 | 1,531 | 1. 575 | 1. 552 | 1. 565 | 1.642 | 1.505 | 1.719 | 1,680 |
| 25 to 54 years .... . | 1. 206 | 1.219 | 1. 237 | 1.173 | 1.201 | 1.252 | 1.299 | 1.327 | 1.322 | 1.405 | 1,282 | 1.410 | 1.435 |
| 55 years and over... | 251 | 253 | 272 | 258 | 276 | 302 | 283 | 254 | 254 | 237 | 231 | 314 | 242 |
| Femates, 16 vears and over . . . . . . . . .. | 2,925 | 2,910 | 2.945 | 2.962 | 2.931 | 2.882 | 3.041 | 2,892 | 3.023 | 2,920 | 2,998 | 3.034 | 3.025 |
| 16 to 19 years.. | 723 | 698 | 746 | 754 | 735 | 722 | 737 | 728 | 773 | 723 | 741 | 730 | 771 |
| 16 to 17 years | 337 | 338 | 367 | 340 | 335 | 342 | 332 | 310 | 369 | 312 | 338 | 354 | 339 |
| 18 to 19 years | 384 | 350 | 383 | 426 | 387 | 372 | 405 | 418 | 415 | 409 | 411 | 373 | 430 |
| 20 to 24 years. | 651 | 668 | 657 | . 681 | 677 | . 663 | 691 | 679 | 681 | 654 | 723 | 694 | 641 |
| 25 vears and over | 1.558 | 1.546 | 1.546 | 1.546 | 1.522 | 1.510 | 1.580 | 1.484 | 1.575 | 1,526 | 1. 535 | 1,607 | 1.621 |
| 25 to 54 years.... . | 1.375 | 1.353 | 1.369 | 1.347 | 1.361 | 1.315 | 1.398 | 1,320 | 1,376 | 1,339 | 1.368 | 1,408 | 1.465 |
| 55 years and over . . . | 191 | 207 | 184 | 207 | 158 | 176 | 184 | . 168 | 195 | +166 | +169 | . 198 | 170 |

A-42. Employed persons by selected social and economic cetegories, seasonally adjusted
[ $n$ thousends!

" Excludes persons "with a job but not at work" during the surver period for such reasons
as vacation, illness, or industrial dispute.

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

| Veteran status and age | Not seasonelly adjuted |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population |  | Civilien labor force |  |  |  |  |  |  |  |
|  |  |  | Tota |  | Employed |  | Unemployed |  |  |  |
|  |  |  | Numbar | Percent of Iabor force |  |
|  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ |  |  | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Feb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Fet. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Peb. } \\ & 1980 \end{aligned}$ |
| VETERANS ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Total, 20 years and over 20 to 24 years . | $\begin{array}{r} 8.476 \\ 624 \end{array}$ | $\begin{array}{r} 8,576 \\ 422 \end{array}$ | $\begin{array}{r} 8.049 \\ 579 \end{array}$ | $\begin{array}{r} 8,106 \\ 379 \end{array}$ | $\begin{array}{r} 7.586 \\ 490 \end{array}$ | $\begin{array}{r} 7.626 \\ 316 \end{array}$ | $\begin{array}{r} 463 \\ 89 \end{array}$ | 480 63 | $\begin{array}{r} 5.8 \\ 15.4 \end{array}$ | $\begin{array}{r} 5.9 \\ 16.6 \end{array}$ |
| 25 to 39 years | 7.054 | 7.219 | 6.786 | 6.939 | 6.446 | 6.546 | 340 | 393 | 5.0 | 5.7 |
| 25 to 29 vears.. | 2.090 | 1.804 | 1.982 | 1.716 | 1.811 | 1.554 | 171 | 162 | 8.6 | 9.4 |
| 30 to 34 years. | 3.558 | 3.609 | 3.437 | 3,489 | 3,307 | 3.339 | 130 | 150 | 3.8 | 4.3 |
| 35 to 39 years... | 1.406 | 1.806 | 1.367 | 1.734 | 1.328 | 1.653 | 39 | 81 | 2.9 | 4.7 |
| 40 years and over . | 798 | 935 | 684 | . 788 | . 650 | 764 | 34 | 24 | 5.0 | 3.0 |
| NONVETERANS ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |
| Total, 25 to 39 years . | 14.242 | 15.148 | 13.544 | 14,371 | 12,941 | 13.568 | 603 | 803 | 4.5 | 5.6 |
| 25 to 29 years | 6.470 | 6.932 | 6.128 | 6.547 | 5.786 | 6.125 | 342 | 422 | 5.6 | 6.4 |
| 30 to 34 years. | 4.085 | 4.416 | 3.888 | 4.211 | 3.732 | 3.998 | 156 | 213 | 4.0 | 5.1 |
| 35 to 39 years . . . . . . . . | 3.687 | 3.800 | 3,528 | 3.613 | 3,423 | 3.445 | 105 | 168 | 3.0 | 4.6 |

1 Vietnam-era veterans are those who served between August 5, 1964 and May 1975.
${ }^{2}$ Nonveterans are males who have never served in the Armed Forces. Published data are Iimited to those $25-39$ years of age, the group that most closely corresponds to the bulk of the Vietnamera veteran population.

## ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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


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

B－2．Employees on nonagricultural payrolls by industry

|  | Incuerry | N amployes |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { SIC } \\ \text { Code } \end{gathered}$ |  | $\begin{aligned} & \text { AVG. } \\ & \text { 1G7S } \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & \text { LG7S } \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 157 \mathrm{~S} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980^{\circ} \end{aligned}$ |  | $\begin{aligned} & \text { avG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { OEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980^{\circ} \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1980 \mathrm{p} \end{aligned}$ |
|  | TOTAL | 89，48c | 87，128 | S1，ccs | 85，225 | \＆¢， 301 | － | － | － | － | － |
|  | PRIVATE SECTOR | 73，879 | 71，628 | 75，Cs4 | 73，489 | 73，380 | 60，358 | 58，43t | 61， 357 | 55，743 | 59， 67 C |
|  | MINING | 957 | 910 | ¢84 | ¢¢5 | 587 | 718 | CE7 | 734 | 733 | 727 |
| 10 | METAL MINING | $97 . t$ | $5 \equiv . \mathrm{c}$ | 10C． 1 | 10c．t | － | 74.8 | 72.1 | 76.5 | 76.8 | － |
| 101 | Iron ores | 24.9 | 24.5 | 24.5 | 24.5 | － | 19.6 | 15．9 | 19.6 | 19.6 | － |
| 102 | Copper ores． | 31.9 | $2 ¢ .6$ | 33.7 | 33.5 | － | 24.6 | 22.7 | 26.1 | 26.0 | － |
| 11． 12 | coal mining | 258.6 | 254.8 | 259.2 | 259.4 | － | 216.2 | 214.4 | 215.5 | 216.1 | － |
| 12 | BITUMINOUS COAL AND LIGNITE MINING | 255.6 | 251.8 | $25 t .2$ | 256.4 | － | 213.6 | 211.8 | 213.2 | 213.4 | － |
| 13 | OIL AND GAS EXTRACTION | 476.4 | 450.0 | 531.5 | 505.7 | － | 227.5 | ミ12．7 | 344.3 | 350.7 | － |
| 131.2 | Crude petroleum，natural gas，and natural gas liquids． | 201.2 | 190．6 | 208．0 | 21C． 3 | － | 95.1 | ＇93．2 | St． 4 | 96.7 | － |
| 138 | Oil and gas field services | 275.1 | 2：¢． 4 | 253.5 | 299.4 | － | 232.4 | 215.5 | 247.5 | 254.0 | － |
| 14 | NOMMETALLIC MANERALS，EXCEPT FUELS | 124.7 | 112：1 | 123.3 | 115.2 | － | 95.0 | 87.7 | ¢7． 2 | 89.5 | － |
| 142 | Crushed and broken stone | 41.2 | 2E．s | 40.2 | 36.9 | － | 34.6 | 29.5 | 33.2 | 30.3 |  |
| 144 | Send and gravel | 38.7 | 22.7 23.8 | 37.5 24.9 | 32．$\varepsilon$ | － | － | － | － | － | － |
| 147 | Chemical and fertilizer minersls． | 24.4 | 23.8 | 24.9 | 24.7 | － | － | － | － | － | － |
|  | CONSTRUCTION | 4，644 | 2，998 | 4，7 71 | 4， 35 C | 4，287 | 3，716 | 3，166 | 3，752 | 3，389 | 3，321 |
| 15 | GENERAL BUILDING CONTRACTORS | 1， 312.4 | 1，1化7 | 1，32\％．6 | 1，224．： | － | 1，022．1 | 884.6 | 1，021．6 | 932.1 | － |
| 152 | Residential building construction | 690.7 | 624.5 | 674.0 | E 2 C .1 | － | 522.2 | 463.8 | 504.1 | 456.4 | － |
| 153 | Operative builders ．．．．．．．．．．．． | 84.0 | 7 F － | 82.2 | 77.4 | － | 54.3 | 4¢．3 | 51.2 | 48.5 |  |
| 154 | Nonresidential building construction | 543.6 | 467.7 | 566，4 | E27．c | － | 445.6 | 371．5 | 466.3 | 427.2 | － |
| 16 | HEAVY CONSTRUCTION CONTRACTORS | ES7．$\varepsilon$ | 75 ミ． 1 | E5t．2 | 747.0 | － | 744.2 | ：Es．4 | 7CC． 2 | 587.3 | － |
| 161 | Highway and street construction． | 289.7 | 177.5 | 261.7 | 2 Cl .4 | － | 248． 5 | 135.5 | 220.9 | 160.8 | － |
| 162 | Heevy construction，except highway | 608.2 | 525.6 | 594.5 | 545.6 | － | 495.6 | 413.5 | 475.4 | $42 t .5$ | － |
| 17 | SPECIAL TRADE COntractors | 2，427．7 | 2，12t．4 | 2，531．9 | 2， 27 F ． E | － | 1，543．2 | 1，EE7． | 2，c3C．5 | 1，869．9 | － |
| 171 | Plumbing，heating，air conditioning | 544.5 | 516.0 | 566.7 | 558.5 | － | 414.9 | 391.5 | 433.8 | 423.5 | － |
| 172 | Painting，paper hanging，decorrating | 157.4 | 127． | 16C． 2 | 14 E .7 | － | 132.0 | 104.0 | 133.8 | 119.1 | － |
| 173 | Electrical work | 408.7 | 386.3 | 432.5 | 425.2 | － | 320.7 | 201.6 | 340．5 | 331.6 | － |
| 174 | Masonry，stonework，and plastering | 410.0 | ミ4z． 6 | 432.1 | $404 . \epsilon$ | － | 356.2 | 291.4 | 376.6 | 345.6 | － |
| 175 | Carpentering and flooring | 151.0 | 141.1 | 152．5 | $13 \mathrm{c} . \mathrm{E}$ | － | 117.6 | 105.7 | 117.8 | 105.5 | － |
| 176 | Roofing and shoet metal work． | 179．3． | 141.8 | 190.9 | 168.6 | － | 145.3 | 111.2 | 155．\％ | 133.1 | － |
|  | manufacturing | 20，972 | 20，7E？ | 20， 502 | 2C，ESE | 2C， 6 EE | 15，C1C | 14，516 | 14， ¢ $^{\text {1 }}$ | 14，654 | 14，649 |
| $\begin{gathered} 24,25, \\ 32 \cdot 39 \end{gathered}$ | durable goods | 12，ESC | 12，Et． | 12，645 | 12，524 | 12，52e | ¢，053 | 9，016 | 8，571 | 8，810 | 8，825 |
| $\begin{gathered} 20.23 . \\ 26-31 \end{gathered}$ | NONDUAABLE GOODS ．．．．． | 8，2¢ミ | E， zCz | 8，253 | e．168 | 8，130 | 5，957 |  | E，¢2C | 5，844 | 5，824 |
| 24 | LUMEER AND WOOD PRODUCTS | 758.4 | 13¢．c | 725.2 | $7 \mathrm{C4.2}$ | 6S8． 1 | 646.3 | $628 . t$ | 616.0 | 593.0 | 588.3 |
| 241 | Logging camps and logging contractors | 90.3 | 84.0 | 89.7 | 82.7 | － | 74．5 | $6 E . z$ | 74.3 | 67.8 | － |
| 242 | Sowmills and planing mills ．．．．．．． | 231.1 | 22E．E | 225.1 | $220 . t$ | － | 206.5 | 200.8 | 200.7 | 195.9 | － |
| 2421 | Sawmills and planing mills，peneral | 190.4 | 185.1 | 185.4 | 181.5 | － | 177.7 | 1ts．${ }^{2}$ | 165.7 | 161.4 | － |
| 2426 | Hardwood dimension and flooring | 32.9 | ミミ．t | 31.6 | ミ1．2 | － | 28.8 | 29.4 | 27.6 | 27.2 | － |
| 243 | Millwork，plywood，and structural members． | 224.7 | 223，9 | 212.1 | 2 CE .4 | － | 18月．7 | 188． 2 | 175．5 | 172.9 | － |
| 2431 | Millwork． | $78 . \mathrm{C}$ | 7¢．E | 73.5 | 74.2 | － | $63 . t$ | $\epsilon E .7$ | Ec． 2 | 60.1 | － |
| 2434 | Wood kitchen cabinets | 51.2 | 45.8 | $48 . \varepsilon$ | 46．5 | － | 43.3 | 41.4 | 4 C .7 | 38.8 | － |
| 2435 | Hardwood veneer and plywood．． | 27.4 | 27.6 | 26.6 | 26.7 | － | 24.4 | 24.7 | EE．E | 23.7 | － |
| 2436 | Softwood veneer and plywood | 50.2 | 4 c .8 | 47.3 | 45.4 | － | 43.5 | 43.1 | $40 . \epsilon$ | 38.9 | － |
| 244 | Wooden contrainers ．．．．．．．．．． | 43.6 | 43.0 | 41.2 | 2¢．8 | － | 38.4 | 37.5 | 3 E ．$\xi$ | 34.8 | － |
| 245 | Wood buildings and mobite homes | 82.9 | 77．s | 75.7 | 65.4 | － | 65.9 | E1．s | ¢E．7 | 52.3 | － |
| 2451 | Mobile homes ．．．．．．．．． | 57.3 | EE． 8 | 52.8 | $44_{4} 4$ | － | 47.4 | 44.5 | 42.4 | 38.7 | － |
| 249 | Miscellaneous wood products | 85.8 | 84.7 | 85.4 | 82.3 | － | 72.0 | 71.5 | $71 . \mathrm{C}$ | 69.3 | － |
| 25 | FURNITURE AND FIXTURES ． | 487.3 | 497.0 | 486.9 | 4E4．C | $480 . \mathrm{C}$ | 398．C | $4 C 7 . \varepsilon$ | $3 ¢ 7.8$ | 394.3 | 390.5 |
| 251 | Household furniture | 323.0 | 332.1 | 322.6 | 320.1 | － | 273.4 | 282．$\overline{\text { a }}$ | 27ミ．${ }^{\text {a }}$ | 271.2 | － |
| 2511 | Wood household furniture | 143.4 | $147 . \mathrm{C}$ | 143.5 | 142．5 | － | 126.8 | 130.2 | 127.1 | 125.9 | － |
| 2512 | Upholstered household furniture | 99.9 | $10 ミ .0$ | 99.5 | ¢ 7.6 | － | 82.2 | 85.2 | 22.0 | 80.6 | － |
| 2514 | Metal houvehold furniture． | 31.7 | 3 E．4 | 32.0 | 33.0 | － | 25.5 | 27.0 | 2t．c | 26.9 | － |
| 2515 | Mattresses and bedsprings | 32.2 | 32.3 | 32.0 | 31.8 | － | 24． 5 | 25.1 | 24.7 | 24.5 | － |
| 252 | Office furniture | 46.5 | 48.3 | 46.6 | 46.9 | － | 37． 5 | 3¢．c | 37.1 | 37.2 | － |
| 253 | Public building and related furniture | $25 . \epsilon$ | 2E． 2 | 25.8 | 24.5 | － | 19.4 | 15.8 | 18.9 | 18.4 | － |
| 254 | Partitions and fixtures ．．．．．．．．． | 64.9 | $6 \equiv$－0 | EE． 3 | C4．$\varepsilon$ | － | 45.1 | $47 . \varepsilon$ | 4 C .4 | 48.6 | － |
| 259 | Miscelllaneous furniture and fixtures | 26．s | 27.4 | 27.2 | 27.3 | － | $18 . t$ | 18.5 | 1E．s | 18.5 | － |

B－2．Employees on nonagricultural payrolis by Industry－Continued

|  | Industry | All omployms |  |  |  |  | Procuetion workers＇ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Code |  | $\begin{aligned} & \text { A VG } \\ & 1579 \end{aligned}$ | $\begin{aligned} & \text { JAA } \\ & 1 S 75 \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JANA } \\ & \text { ISEC } \end{aligned}$ | $\begin{aligned} & \text { FEE } \\ & 1 \text { SEC } \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { OEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | FEB． $1980 \mathrm{P}$ |
| 32 | STONE，CLAY，AND GLAES PRODUCT8 | 710.8 | 681.6 | 695．6 | 675．5 | 67E． 3 | 560.5 | 336.1 | 548.5 | 528.4 | 526.0 |
| 321 | Flat gless ．．．．．．．．．．．．．． | 20.4 | 15.1 | 18.6 | 19.3 | － | 15.8 | 14.8 | 14.4 | 14.8 |  |
| 322 | Glass and glasware，pressed or blown | 121．8 | 1ミE．4 | $13 \mathrm{C}$. | 129．6 | － | 112.7 | 114.3 | 111.8 | 110.3 |  |
| 3221 | Glass containers． | 73.1 | 73.9 | 69.9 | 69.8 | － | 64．3 | 64．7 | E1． 5 | 61.1 | － |
| 3228 | Pressed and blown glasi，nec | 58.6 | ＊S．E | 60.3 | 59.8 | － | 48.5 | 49.6 | 49.7 | 49.2 | － |
| 323 | Products of purchased glass． | 49.3 | 47.9 | 45.5 | 4E．s | － | 3 E． 1 | 35．1 | 36.1 | 36.3 |  |
| 324 | Coment，hydraulic | 33.2 | 32.4 | 33.2 | 32.5 | － | 26.7 | 26.1 | $2 t . t$ | 25.9 | － |
| 325 | Structural cloy products | 50.7 | EC． 1 | 4E．t | 4 4． 7 | － | 39.0 | 39.5 | 37.5 | 35.4 | － |
| 328 | Pottery and related products | 46.2 | 44.9 | 4 E .4 | 45.5 | － | 38.5 | 37．E | 35．9 | 37.5 |  |
| 327 | Concrete，gypsum，and plaster products | 219.6 | 155．9 | 212.7 | 199.1 | － | 169.8 | 145.7 | $1 \in 4.4$ | 151.0 | － |
| 3271 | Concrete block and brick． | 25.2 | 23．0 | 24.4 | 22.8 | － | 17．5 | 15．5 | 17.1 | 15.5 | － |
| 3272 | Concrets products，nec | 72.5 | 68.5 | 68.7 | 66.7 | － | 55.6 | 52.1 | E2．2 | 50.1 |  |
| 3273 | Resdy－mixed concrete | 98.4 | $\varepsilon$ ¢． 2 | 57．6 | \＆7．7 | － | 78.3 | 64.3 | 76.9 | 67.5 | － |
| 320 | Misc．nonmetalic mineral products | 148.9 | 14 E．0 | 147．t | 145．5 | － | 111.0 | 105． 3 | 105．0 | 107.2 |  |
| 3291 | Abrasive products | 29．8 | 25.4 | 2 C ． 8 | 29.9 | － | 20.4 | 20.1 | $2 \mathrm{C}$. | 20.5 | － |
| 3282 | Aabestos products | 22.5 | 23.1 | 21.1 | 21.2 | － | 17.4 | ＇1E．C | 16.3 | 16.5 | － |
| 3298 | Mineral wool | 31.5 | 30.6 | 32.3 | 31.3 | － | － | － | － | － | － |
| 33 | PRIMARY METAL INDUSTRIES | 1，243．9 | 1，24三．8 | 1，204．4 | 1，15¢．7 | 1，195． 2 | 57e． 2 | S82．3 | 54 C .2 | 935.7 | 934.0 |
| 331 | Blast furnace and basic steel products | 566.5 | 565.4 | 542.1 | 539.7 |  | 448.0 | 448.4 | 425.1 | 422.6 | － |
| 3312 | Blast furnaces and steal mills．．．．． | 476． 3 | 475．2 | 455．1 | $4 E 5.5$ | － | 378． C | 378．2 | 357.9 | 356.1 | － |
| 3317 | Steel pipe and tubes． | 31.6 | 31.7 | 30.6 | 30.0 | － | 24．9 | 25．0 | 23．$\varepsilon$ | 23.3 | － |
| 332 | Iron and steel foundries | 238.2 | －4c．c | 219.7 | 223.1 | － | 194.2 | 201.7 | 178．1 | 181.0 | － |
| 3321 | Gray iron foundries． | 146.8 | 154.5 | 130.8 | 134.2 | － | 121.7 | 12c．c | 107.8 | 110.8 | － |
| 3322 | Malleable iron foundries | 21.7 | 23.1 | 19.4 | 18.7 | － | 17.4 | 12.8 | 15．2 | 14.5 | － |
| 3325 | Steel foundries，nec． | 55.5 | ¢g． 1 | 54.6 | E5． 2 | － | 44.4 | 44.2 | 43.6 | 44.2 | － |
| 333 | Primary nonferrous metals | 72.4 | 7 C .5 | 73.3 | 71.9 | － | 56.8 | E4．5 | Et．4 | 55.3 |  |
| 3334 | Primary aluminum | 27.0 | 3！．8 | 37.4 | 37.3 | － | 29.8 | 29.0 | 29.7 | 29.6 | － |
| 336 | Nonferrous rolling and drawing ．．．．．．．．．．．．．． | 219.3 | 216.0 | 221.2 | 21E．3 | － | 161．2 | 15c． 2 | 162.4 | 159.6 | － |
| 3361 | Coppar rolling and drawing | 33.7 | 33.0 | 33.0 | 32.5 | － | 26.4 | 2t．3 | 25.4 | 24.9 | － |
| 3363 | Aluminum theer，plate，and foil | 35.8 | 3 E ¢ | 35.1 | E4．E | － | 27.4 | 27.0 | 26.8 | 26.7 | － |
| 3367 | Nonferrous wire drawing and insulating | 85.0 | 87.7 | 91.8 | 90.3 | － | 65.8 | C5．4 | EE． 1 | Et． 5 | － |
| 338 | Nonferrous foundries ．．．．．．．．．．．．．．．．．．．．．．． | 98.1 | ¢E．t | 96.6 | ¢5．5 | － | 80.8 | 82.0 | 78.7 | 78.3 | － |
| 3361 | Aluminum foundries ．．．．．．．．．．．．．．．．．．．．．．． | 55.8 | 56.2 | 54.9 | 54.9 | － | $4 \epsilon .7$ | 47.5 | 4E．E | 45.6 | － |
| 34 | FABRICATED METAL PRODUCTS ．．．．．．．．．．．．． | 1，727．2 | 1，71t．C | 1，73C．4 | 1，7C2．5 | 1，703．C | 1，305． 5 | 1，3C1． 6 | 1，3C3．1 | 1，275．5 | 1，280．5 |
| 341 | Metal cans and mipping containers ．．．．．．．．．．．．．． | 78.4 | 77.2 | 76.6 | 76.2 | － | 66.4 | 64．t | 64．3 | 64.2 | － |
| 3411 | Metal cans ．．．．．．．．．．．．．．．．．．．．．．．．．．． | 64．c | 6E．E | 62．z | 61．9 | － | 54.6 | 53.2 | 52.6 | 52.7 | － |
| 342 | Cutiery，hand tools，and hardware ．．．．．．．．．．．．． | 184.6 | 186.1 | 182.7 | 181．2 | － | 143.5 | 14E．？ | 141.4 | 140.1 | － |
| 3423，6 | Hand and edge trole，and hand saws and bledes ．．． | 64.5 | C： 2 | 65.5 | 65.2 | － | 51.0 | 51.6 | 51．${ }^{\text {¢ }}$ | 51.1 | － |
| 3429 | Hardware，nec | 103．t | 1 14．7 | $1 \mathrm{CC.7}$ | 55．5 | － | 80.8 | 81． 6 | 78.1 | 77.3 | － |
| 343 | Plumbing and heating，except electric．．．．．．．．．．．． | 76.2 | 75.7 | 77.9 | 77.2 | － | 56.5 | 56.6 | $5 \varepsilon .2$ | 57.6 | － |
| 3432 | Plumbing fittings and brass goods ．．．．．．．．．．．． | 28.5 | 28.2 | 29.0 | 28.5 | － | 23.6 | 22.9 | 23.8 | 23.7 | － |
| 3433 | Heating equipment，except electric ．．．．．．．．．．． | 35.7 | $\begin{array}{r}35.9 \\ \hline 18\end{array}$ | 37．2 | 27．6 | － | 24．6 | 24.6 | 26.2 | 25.8 | － |
| 344 | Fabricated structural metal products ．．．．．．．．．．．． | E20．9 | ：12． 5 | 530.7 | 527.0 | － | 367.4 | $3 \in 2.5$ | 274.4 | 370.5 | － |
| 3441 | Fabricated structural matal ．．．．．．．．．．．．．．．． | 105．5 | $16^{2} .3$ | 11 C .4 | 1C5．3 | － | $7 \epsilon .3$ | 74.2 | 80.0 | 79.2 | － |
| 3442 | Metal doors，sash，and trim ．．．．．．．．．．．．．．．． | 86.6 | 84.4 | 87.4 | 85.6 | － | 64.8 | E2． 2 | t5．4 | 63.8 | － |
| 3443 | Fabricatad plate work（boiler chops） | 148.7 | 145.4 | 148.4 | 148.5 | － | 96.3 | 97.7 | 95.2 | 94.8 | － |
| 3444 | Sheet metal work．．．．．．．．．．．．．．．．．．．．．． | 108.7 | $10 \epsilon .0$ | 112.3 | 111.5 | － | $8 \mathrm{C}$. | 78.2 | 82.6 | 83.9 | － |
| 3446 | Architectural metel work ．．．．．．．．．．．．．．．．．．． | 31.4 | 21.0 | 32.2 | 32.4 | － | 22.8 | 22.4 | 23.4 | 23.4 | － |
| 345 | Scrow machine products，bolts，etc．．．．．．．．．．．． | 120.2 | 116.8 | 121.7 | 121.2 | － | 94.6 | S2．c | 55.6 | 94.9 | － |
| 3451 | Screw machine products | 57.5 | 55.7 | 58.6 | 58.7 | － | 47.7 | $46 . z{ }^{2}$ | $4 \varepsilon \cdot 4$ | 48.5 | － |
| 3462 | Boits，nuts，rivets，and washers | 62.7 | 61．1 | 63．1 | ¢2．E | － | 46.9 | 45.8 | 47．2 | 46.4 | $\square$ |
| 346 | Metal forgings and stampings ．．．．．．．．．．．．．．．．． | 304.3 | 312.0 | 295.2 | 274.6 | － | 244.4 | 252.4 | 2E5．3 | 214.3 | － |
| 3462 | Iron and steel forgings ．．．．．．．．．．．．．．．．．．．．．． | 55.5 | 54.8 | 54.5 | 54.3 | － | 43.9 | 42.8 | 42.3 | 42.4 | － |
| 3465 | Automotive stampings ．．．．．．．．．．．．．．．．．．．． | 108.5 | 116.1 | 55．7 | 7e． 5 | － | 90.6 | 55．3 | 82.2 | 61.2 | － |
| 3469 | Metal stempings，nec ．．．．．．．．．．．．．．．．．．．． | 128.8 | 127.7 | 129.2 | 125.7 | － | 101．0 | 106.4 | 101.4 | 101.6 | － |
| 347 | Metal services，nec ．．．．．．．．．．．．．．．．．．．．．．．．．．． | 108.5 | $1 ¢ \in .7$ | 110.3 | 109.9 | － | 89.0 | 87.6 | 89.7 | 89.3 | － |
| 3471 | Plating and polishing ．．．．．．．．．．．．．．．．．． | 74.1 | 73.3 | 74.4 | 74.9 | － | 61.2 | CC．C | 61.2 | 60.7 | － |
| 3479 | Metal coating and allied wervices | 34.5 | 32.4 | 35.9 | 35.9 | － | 27.8 | 26.7 | ÉE．E | $28 . \epsilon$ | － |
| 348 | Ordnance and scessories，nec ．．．．．．．．．．．．．．．．．．． | 60.5 | 61.3 | CC．C | 55.9 | － | 41.8 | 42.7 | 40.5 | 40.4 | － |
| 3483 | Ammunition，exc．for small arms，nec ．．．．．．．．． | 26.5 | 26.4 | 26.6 | 26.3 | － | 18.3 | $18 . \frac{5}{7}$ | 18．2 | 18.0 | － |
| 349 | Misc．fabricated metal products ．．．． | 272.8 | 267.7 | 275．3 | 275.3 | － | 202.2 | 198.7 | 203.7 | 203.8 | － |
| 3494 | Valves and pipe fittings ．．．．．．．．．．．．．．．．．． | 107.4 | $105 . \overline{2}$ | 109.3 | 11 C .1 | － | 73.6 | 72.4 | 74.2 | 74.7 | － |
| 3486 | Misc．fabricated wire products ．．．．．．．．．．．．．．．． | 57.3 | 55.9 | 58.3 | 57.9 | $\checkmark$ | 44.4 | 42.2 | 45.4 | 45.5 | － |
| 35 | MACHINERY，EXCEPT ELECTRICAL ．．．．．．．．．． | 2，462．5 | 2，428．7 | 2，455．8 | 2，5C7．z | て，ECS．s | 1，61 6.2 | 1，6CE．1 | 1，tot． 3 | $1,64166^{\prime}$ | 1.639 .8 |
| 361 | Engines and turbines ．．．．．．．．．．．．．．．．．．．．．．．．．． | 139.1 | $135 . C$ | 131.4 | 138.7 | 2， | 91．0 | 90．7 | 85．E | 91．2 | 1．639．8 |
| 3611 | Turbines and turbine generator sets ．．．．．．．．．．．．． | 41.7 | $42 \cdot 5$ | $4 \mathrm{C.7}$ | $4 C .4$ | － | 21． 5 | 22.3 | $2 C .5$ | 20.7 | － |
| 3619 | Internal combustion engines，nec ．．．．．．．．．．．．． | 97.5 | 96.1 | 90.7 | 98.3 | － | $65 . t$ | ¢€．4 | 64．5 | 70.5 | － |
| 362 | Farm and garden machinery ．．．．．．．．．．．．．．．．．．．． | 173.5 | 172.8 | 172.2 | 171.4 | － | 123.2 | 123.9 | 122.2 | 123.0 | $\cdots$ |
| 3523 | Farm machinery and equipment ．．．．．．．．．．．．． | 153.6 | 158.2 | 152.0 | 1E6．C | － | 108．5 | 165.3 | 108.5 | 107.5 | － |
| 353 | Construction and related machinery ．．．．．．．．．．．．．．． | 396．4 | 357.5 | $358 . t$ | 399.6 | － | 263.0 | 266.7 | 224.2 | 261.4 | － |
| 3631 | Construction machinery ．．．．．．．．．．．．．．．．．．．．． | 163．${ }^{\text {E }}$ | 17 ．4 | 115.2 | 15E． 7 | － | 111.1 | 115.2 | 76.6 | 102.1 | － |

See footnotes at end of teble．

|  | Incustry | All employces |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { SIC } \\ \text { Code } \end{gathered}$ |  | $\begin{aligned} & \text { AVG } \\ & 1 \$ 79 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 197 S^{\prime} \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1975 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & \text { 1S7C } \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1 S 7 \dot{~} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1985 \mathrm{P} \end{aligned}$ | FE 1980 P |
|  | MACHINERY，EXCEPT ELECTRICAL－Continued |  |  |  |  |  |  |  |  |  |  |
| 3632 | Mining machinery．．．．．．．．．．．．．．．．．．．．．． | 39.0 | ミ7． | $4 C .2$ | 4C． 3 |  | 24.7 | 23．8 | 25.4 | 25.8 | － |
| 3533 | Oil field machinery． | $85 . t$ | 82.5 | 89.5 | 90.4 | － | 58.8 | 57.7 | 60．$\varepsilon$ | 61.9 | － |
| 3535 | Conveyers and conveying equipment ． | 36.7 | E5．7 | 38.3 | 38.0 | － | 21.3 | 21.1 | 22.1 | 22.1 | － |
| 3537 | Industriel trucks and tractors．．．．．． | 39.3 | 37.8 | 40.2 | 35.7 |  | 27.2 | $2 \in 1$ | 27.1 | 27.0 | － |
| 354 | Metalworking machinery．． | 368.4 | $\equiv \in 0.1$ | 376.8 | 378.0 | － | 268.1 |  | 274.7 | 276.3 | － |
| 3541 | Machine tools，metal cutting types． | 79.0 | 75.2 | 81.5 | Ez．C |  | 50.9 |  | 52.8 | 53.1 |  |
| 3542 | Machine tools，metal forming types． | 26.8 | $2 \epsilon .0$ | 27.6 | 27.7 | － | 17．t | 17．1 | 18．2i | 18.3 |  |
| 3544 | Special dies，tools，jigs，and fixtures．． | 135．1 | $134 . C$ | 134.8 65.7 | 125.4 $7 C .1$ | － | 108.1 47.4 | 107.6 $4 \epsilon .4$ | 107.9 45.5 | 108.8 49.5 | － |
| 3545 | Machine tool accessories．．．．．．．．． | 67.1 35.7 | 6E．2 | ES．7 38.1 | $7 C .1$ 38.4 | － | 47.4 27.3 | 4e．4 $2 \epsilon .4$ | 49.5 25.6 | 49.5 30.1 | － |
| 3546 | Power driven hand toois． | 35.7 $208 . E$ | $\begin{array}{r}\text { E4．5 } \\ \hline 64.5\end{array}$ | 38.1 212.7 | 38.4 $\mathbf{2 1 E . 3}$ | － | 27.3 130.8 | $2 \epsilon .4$ $12 ¢ .3$ | 25.5 134.4 | 30.1 134.8 | － |
| 355 3551 | Special industry machinery． Food | 208.0 48.0 | $6 C 4.5$ 47.1 | 212.7 48.8 | 215.3 49.2 | － | 130.8 30.1 | $12 ¢ .3$ $2 ¢ .5$ | 134.4 30.8 | 134.8 31.0 | － |
| 3551 3552 | Food products machinery Textile machinery．．．．． | 48.0 27.0 | 47.1 26.6 | 48.8 27.5 | 49.2 27.5 | － | 19.1 | 18．8 | 36.5 19.5 | 31.0 19.4 | － |
| 3555 | Printing trades machinery． | 42.1 | $40 \cdot 2$ | 43.5 | 42.7 | － | 25.2 | 24.3 | 2 ¢． 5 | 26.6 | － |
| 356 | General industrial machinery． | 227.1 | \＃24．5 | 332.5 | 331.9 | － | 217.1 | 217.8 | $221 . \mathrm{E}$ | 221.2 | － |
| 3561 | Pumps and pumping equipment． | 61.2 | $\in C . \varepsilon$ | 61.6 | 61.5 |  | 37． 3 | 37.6 | 37.6 | 37.6 |  |
| 3562 | Ball and roller bearings．． | 59.1 | 55.6 | 61.4 | 61.2 | － | 44.1 | 4 E .5 | 4E．E | 48.5 |  |
| 3563 | Air and gas compressors． | 31.0 | 4 | 4 | 4.4 |  | 18 | 18 | 18 | 1 |  |
| 3564 | Blowers and fans | 41.8 |  | $42 . E$ | 42.4 |  | $25 . \varepsilon$ | $2 \epsilon .1$ | 26.2 | 26.1 |  |
| 3566 | Speed changers，drives，and gears | 27.6 | 24.5 | 29．4 | 28.4 | － | 18．9 | $1 E \cdot \underline{ }$ | 15.5 | 19.6 |  |
| 3568 | Power transmission equipment，nec． | 24.6 382.5 | 24.8 364.5 | 431.8 | 403.4 | － | 175.0 | $1 \in 7.0$ | 17.7 182.8 | 182.4 |  |
| 357 | Office and computing machines．．． | 382.5 307.3 | 364.5 $28 ¢ .5$ | 225：3 | 326.7 | － | 170.5 | 122.1 | 137.7 | 137.4 | － |
| 3573 | Electronic computing equipment． | 187.3 | 192．z | 184.1 | 1 E． 7 | － | 131.7 | $13 \epsilon . \epsilon$ | 128.5 | 130.7 | － |
| 358 3585 | Refrigeration and service machinery．．． Refrigeration and heating equipment | 129.8 | 134．4 | 127.2 | 128.9 | － | 91.9 | 96.3 | 8¢． | S1．4 | － |
| 359 | Misc．machinery，except electrical． | 279.0 | 272.4 | 285． 3 | こ¢E．2 | － | 216.2 | 210.9 | $22 C .5$ | 220.6 |  |
| 3592 | Criburetors，pistons，rings，valves． | 44.4 | 43.6 | 45.1 | 44.9 | － | 35： | $34^{\circ} \mathrm{C}$ | 2E．E | 36.0 | － |
| 3599 | Machinery，except electrical，nec． | 234. | く2́． | 240 | 240 |  | 181.0 | 176.3 | 185 | 184.6 |  |
| 36 | ELECTRIC AND ELECTRONIC EOUIPMENT | 2，108．7 | 2，060．9 | 2，153．1 | 2，144．9 | z；138．S | 1，278．t | 1，255．7 | 1，401．7 | 1，391．5 | 1，389．4 |
| 361 | Electric distributing equipment | 121.8 | 125．c | 122．4 | 121.8 | － | 86.8 | 88.7 | 86.7 | 86.3 | － |
| 3612 | Transformers ．．．．．． | 55.7 | $5 \mathrm{E} \cdot 8$ | Et． 2 | $5 E .4$ | － | 35.8 | $\underline{3}$ ¢．$\varepsilon$ | 35．5 | 39.2 | － |
| 3613 | Switchgear and switchboard apparatus． | ¢6． 1 | 67.2 | 66.2 | 66.4 | － | 47.0 | $4 \mathrm{E.5}$ | 4 t ．$\varepsilon$ | 47.1 | － |
| 362 | Electrical industrial apparatus． | 259．C | 654．5 | 24 CO | 2EC．5 | － | 186．3 | 183.5 | 185． | 186.6 | － |
| 3621 | Motors and generators | 137.5 | 138.2 | 135．9 | 136．3 | － | 104.0 | $104 . \varepsilon$ | 102． 5 | 103.2 | － |
| 3622 | industrial controls．．． | $71 . \varepsilon$ | ¢E．$\frac{3}{5}$ | 7E． 5 | 73： 3 | － | 46.2 | 44.5 | 46.6 | 46.5 | － |
| 363 | Household appliances | 176.7 | 173.5 | 176．E | 173.5 | － | 139.4 | 13E．2 | 139.6 | 136.8 | － |
| 3632 | Household refrigerators and freezers | 39．3 | 3 Sc 4 | 38.1 | 37.8 | － | 31.6 | 20．E | $3 C .7$ | 30.7 | － |
| 3633 | Household laundry equipment ．．． | 23.2 | 21.6 | 23.5 | 24． 6 | － | 18.2 | $16 . t$ | 18.9 | 19.0 | － |
| 3634 | Electric housewares and fans． | 51.6 | 50.1 | 52.4 | 49.9 | － | 41.8 | 3¢．3 | 41.5 | 39.8 | － |
| 364 | Electric lighting and wiring equipment | c2e．4 | ¢27．2 | 22E．E | $2 £$ ¢． $\mathcal{L}$ | － | 172.9 | 173.9 | 172.8 | 171.9 | － |
| 3641 | Electric lamps． | 38.2 | ${ }^{2} 5.5$ | 28．9 | 2¢．1 | － | 33.5 | 3E． | $24 . t$ | 34.7 | － |
| 3643 | Current－carrying wiring devices | 58.1 | ¢E． 2 | 101.5 | 101.4 | － | 68.9 | 67.5 | $7 \mathrm{C.c}$ | 70.9 | － |
| 3644 | Noncurrent－carrying wiring devicas | 22.7 |  | 22.1 | 22.7 | － | 16.7 | 16.7 | 16.1 | 16.4 |  |
| 3645 | Residential lighting fixtures | 27.6 | 26：9 | 27.0 | 26.2 | － | 21.5 | $20 . E$ | 21.1 | 20.4 | － |
| 365 | Radio and TV receiving equipment | $112 . \mathrm{C}$ | 112．1 | 112.4 | 1CS． 1 | － | 82.8 | 82.4 | 82.4 | 79.7 | － |
| 3651 | Radio and TV receiving sets． | 90.3 | 91.1 | $91 . t$ | E S． 7 | － | 65.4 | 6 E .5 | 6E．7 | 64.1 | － |
| 366 | Communication equipment．． | 529.7 | $\bigcirc 14.1$ | 547．C | 547.8 | － | $263 \cdot \frac{2}{}$ | 254．4 | 273.1 | 273.6 | － |
| 3661 | Telephone and telegraph apparatus | 160.0 | 1EE．4 | 16E．4 | 1et．e | － | 112.1 | 1 Ct．4 | 116.8 | 116.9 |  |
| 3662 | Radio and TV communication equipment | 369.7 | 360.7 | 380.6 | 381.2 | － | 151． | 14 E ． C | 156.3 | 156.7 | － |
| 367 | Electronic components and accessories | \＄14．s | $4 E 7.7$ | 535.1 | E4C． 5 | － | 324.0 | 310.0 | 339.4 | 328.3 | － |
| 3671.3 | Electronic tubes ．．．．．．．．．．． | 44.0 | 42.3 | 45．2 | 45．4 | － | 28.2 | 27.7 | $2 E .7$ | 28.4 |  |
| 3674 | Semiconductors and related devices． | 152.5 | 181.8 | 204.5 | $2 C 5.9$ | － | 90.4 | 87.4 | St．ż | 96.5 | ． |
| 3679 | Electronic components，nec． | 204.1 | 1¢E．t | 212.6 | 212.6 | － | 145.5 | 138.2 | 152.3 | 151.4 | － |
| 369 | Misc．electrical equipment and supplies． | 166.3 | 168.8 | 165.9 | 162.5 | － | 123.1 | 127．z | 121.5 | 118.7 | － |
| 3691 | Storage batteries．．．．．．．．．．．．．． | 22.2 | 22．4 | 33．1 |  | － | 25.7 | 25.8 | 26.5 | 26.1 | － |
| 3694 | Engine electrical equipment． | 75.6 | 80.2 | 71．5 | $\boldsymbol{\epsilon E . E}$ | － | $5 \varepsilon .4$ | 6 E． 6 | $54 . t$ | 51.6 | － |
| 37 | TRANSPORTATION EQUIPMENT | 2，048． | 2，C7E．2 | 2， 443.4 | 1，¢ EE．C | 1，585．5 | 1，404．2 | 1，44E．5 | 1，396．0 | 1，299．2 | 1，316．3 |
| 371 | Motor vehicles and equipment | 982.8 | 1，031．5 | 94E．s | 866.5 | － | 755.7 | 810.4 | 731.4 | 635.8 | － |
| 3711 | Motor vehicles and car bodies． | 444.2 | $4 \in 5.1$ | 447．7 | 384.5 | － | 327.0 | 2E\％． | 334.4 | 259．0 | － |
| 3713 | Truck and bus bodies． | 48．c | 48.8 | 44.9 | 44.6 | － | 38.2 | 35.5 | 35.4 | 35.2 | － |
| 3714 | Motor vehicle parts and accessories | 456.5 | 475.4 | 422.1 | 495.6 | － | $367 . \varepsilon$ | 391.2 | 236.5 | 317.7 | － |
| 3715 | Truck trailers． | 34.1 | ミ4．z | 32． 2 | E1．4 | － | 26.8 | 27.2 | 24.7 | 23.9 | － |
| 372 | Aircraft and parts | 605.1 | 57 P ． 7 | E37．C | C4C．7 | － | $328 . \varepsilon$ | 316.2 | 350.5 | 351.9 | － |
| 3721 | Aircraft ．．．．．． | 337.2 | ミ16．3 | 353.2 | 354.5 | － | 167.9 | 156.5 | 175．c | 178.1 | － |
| 3724 | Aircraft engines and engine parts | 148.4 | 142.3 | 157.0 | 158.5 | － | 84．t | EC．$¢$ | 51.1 | 92.3 | － |
| 3728 | Aircraft equipment，nec．．．．．． | 119.5 | 113.1 | 126.8 | 127.7 | － | $7 \epsilon .2$ | 72.4 | EC．E | 81.5 | － |
| 373 | Ship and boat building and repairing． | 214.5 | $21 \epsilon \cdot \epsilon$ | 212.4 | 2CS．C | － | 172.1 | 174.1 | 170.7 | 166.6 | － |
| 3731 | Ship building and repairing．． | 163.3 | 162.4 | $16 \epsilon .0$ | 162．C | － | 125.5 | 125.4 | 132.2 | 128.6 | － |
| 3732 | Boat building and repairing | S1． 2 | 54.4 | $4 E .4$ | 46.0 | － | 42.2 | 44.7 | $3 E .5$ | 38.0 | － |
| 374 | Railrosd equipment ．．．．．．． | $70 . E$ | 65.4 | 72.9 | 72.2 | － | 54.6 | 53.6 | 5 E ． 8 | 56.2 | － |
| 376 | Guided missiles，space vehicles，parts | 58.5 | 94.4 | 102.6 | 103.1 | － | 31.6 | 25.4 | 2三．1 | 33.4 | $\square$ |
| 3761 | Guided missiles and space vehicles | 77．8 | 74.5 | 81．C | E1．${ }^{\text {I }}$ | － | 22.9 | 21.2 | 24．2 | 24.4 | － |

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



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

|  | Industry | All employes |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 81 \mathrm{C} \\ \text { Code } \end{gathered}$ |  | $\begin{aligned} & \text { A VG. } \\ & 1 \leqslant 79 \end{aligned}$ | $\begin{aligned} & J A N, \\ & 1 \leqslant 7 \xi \end{aligned}$ | $\begin{aligned} & C E C \\ & 1975 \end{aligned}$ | JAN． 1 SEEP | $\begin{aligned} & \text { FEP } \\ & 158 \mathrm{C} \end{aligned}$ | $\begin{aligned} & A V G \\ & 1975 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1 S 7 \xi \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1 S 75 \end{aligned}$ | JAN． $1980_{p}$ | $\begin{aligned} & \text { FE日. } \\ & 1980 \mathrm{p} \end{aligned}$ |
|  | TEXTILE MILL PRODUCT8－Continued |  |  |  |  |  |  |  |  |  |  |
| 2257 | Circular knit tabric mills ．．．．．．．．． | 33． 3 | 33.5 | $32 . \epsilon$ | 32.8 | － | 27.6 | 27.6 | 27.5 | 27.8 | － |
| 228 | Textile finishing，except wool． | 77.7 | 75.3 | 77.7 | 77.2 |  | 65.5 | 67.1 | 65.6 | 65.3 |  |
| 2261 | Finishing plants，cotton | 32.8 | 32.6 | 32.6 | 32.3 | － | 27.4 | 28.1 | 27． | 27.1 | － |
| 2262 | Finishing plants，synthetics | 28.7 | 25．3 | $25 . c$ | 28.9 | － | 24.3 | 25.2 | 24.5 | 24.5 |  |
| 227 | Floor covering mills． | 61.5 | 62.1 | 59.6 | 55.1 | － | 50.1 | gCog | 48.3 | 48.4 | － |
| 228 | Yarn and threed milis | 131.0 | 131.3 | 132.9 | 132.9 | － | 119.1 | 119.5 | 12 C ¢ | 120.5 | － |
| 2281 | Yern milis，except wool | 88.5 | EE． 3 | SC． 3 | 5C． 3 | － | 81.8 | 81.6 | 83.7 | 83.5 | － |
| 2282 | Throwing and winding milis． | 21.6 | 21.9 | 21.2 | 21.2 | － | 15.2 | 19.5 | 18． 6 | 18.5 | － |
| 229 | Miscellaneous textile goods ．， | 88． 5 | $7 \mathrm{C} . \mathrm{C}$ | 67.3 | 66.8 | － | 55.0 | 56.6 | 53.8 | 53.4 | － |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 1．313．1 | 1，313．6 | 1，292．0 | 1，282． 2 | 1，200．7 | 1，122．2 | 1，125．z | 1，10C．E | 1．092．7 | 1.110 .4 |
| 231 | Man＇s and boys＇suits and coats | 86.5 | EE． 2 | －83．7 | E3． 2 | － | 74.9 | 76.9 | 72.5 | 72.1 | － |
| 232 | Men＇s and boys＇furnishings ．． | 365.5 | 357.7 | 2 Ec .2 | 3 Es．t | － | 314.5 | 377.5 | 21E．5 | 317.1 | － |
| 2321 | Men＇s and boys＇shirts and nightwear ．．．．．．．．．．． | 105． 5 | 10S．1 | $105 . \mathrm{c}$ | 104.7 | － | 91.9 | 92.3 | 51.3 | 91.1 | － |
| 2327 | Men＇s and boys＇separate trousers ．．．．．．．．．．．． | 79．3 | 7E．c | 75.8 | EC．C | － | 68.5 | 67.8 | 69.2 | 69.2 | － |
| 2326 | Men＇s and boys＇work clothing． | 100.5 | 55.5 | 104.7 | 106.3 | － | 84.8 | $80 . t$ | 8\＆． 3 | 89.8 |  |
| 233 | Women＇s and misses＇outerwear ．．．．．．．．．．．．．．．． | $435 . \mathrm{C}$ | 44E．6 | 423.6 | 485.1 | － | 376.6 | 383.2 | 360.6 | 363.7 |  |
| 2331 | Women＇s and misses＇blouses and waists．．．．．．．．． | 60.7 | 62.2 | 57．t | 57．s | － | 52．5 | 54.7 | 45.6 | 50.2 |  |
| 2335 | Women＇s and misses＇dresses | $1 \in 9.6$ | 171．s | 165.2 | 168.3 | － | 148．t | 1EC．1 | 144．C | 147.3 |  |
| 2337 | Women＇s and misses＇suits and coats． | 65.2 | 62．s | 57.4 | EE．E | － | 56.2 | ¢コ．s | $48 . c$ | 47.5 | － |
| 2339 | Women＇s and misses＇outerwear，nec．．．．．．．．．．．． | 143.5 | 148.4 | 143.4 | 142.4 | － | 118.8 | 124.6 | $11 E .1$ | 118.7 |  |
| 234 | Women＇s and children＇s undergarments | 89.7 | Ec．1 | 82．8 | 88． 1 | － | 76.1 | 75.7 | 75.4 | 74.7 | － |
| 2341 | Women＇s and children＇s underwear ．．．．．．．．．．． | 70.7 | 65.9 | C5．7 | CS． 3 | － | 61.6 | CC．4 | 6 C .3 | 59.9 | － |
| 2342 | Brassieres and allied garments | 19.0 | 19.2 | 15.1 | 18.8 | － | 15.1 | 15.3 | 15.1 | 14.8 | － |
| 236 | Children＇s outerwear ．．．．．．．． | 66.3 | EE．E | 64.4 | C4．4 | － | 57.2 | 57.3 | 55.2 | 55.1 | － |
| 2361 | Children＇s dresses and blouses | 25.3 | 25.8 | 24.4 | 24.6 | － | 22.8 | 23.1 | 21.5 | 22.1 | － |
| 238 | Misc．apparel and accessories | 56.5 | 55.7 | 54.4 | 52.7 | － | 48.9 | 47.8 | 46.7 | 45.3 | － |
| 239 | Misc．fabricated textile products． | 189.3 | 191.8 | 185.8 | 186.7 | － | 157.4 | 15¢．$\frac{1}{6}$ | 157.5 | 148.8 | － |
| 2391 | Currains and draperies ．．．．．．．．．．．．．．．．．．．．． | 30.2 | 30.2 | 31.6 | 30.7 | － | 26.2 | 26.3 | 27.3 | 26.3 | － |
| 2392 | House furnishings，nec ．．．．．．．．．．．．．．．．．．．． | 51.8 | 51.1 | 53.8 | E2． 2 | － | 43.2 | 42.7 | 45.4 | 43.8 | － |
| 2398 | Automotive and apperel trimmings | 36.5 | 38.2 | 35.1 | 30.0 | － | 30.3 | 21.5 | 2E．s | 23.9 | － |
| 26 | PAPER AND ALLIED PRODUCTS | 714.1 | 1CC．6 | 714．C | 712．2 | 710.2 | $541 . \frac{5}{}$ | 527.1 | 542.1 | 539.7 | 539.1 |
| 261，2，6 | Paper and pulp mills． | 155.8 | 152.4 | 203.8 | 200.1 | － | 150.2 | 142.6 | 151．1 | 150.4 | － |
| 282 | Paper mills，except building papar | 170.4 | 164．1 | 17 C .8 | $17 \mathrm{C}$. | － | 126.7 | 120.5 | 127.1 | 126.7 | － |
| 283 | Paperboard mills ．．．．．．．．．．．．．．．．．．．．．．．．．． | 71.4 | 69.1 | 72.3 | 72.7 | － | $56 . t$ | 54． | 5t． 3 | 57.0 | － |
| 264 | Misc．converted paper products | 22t． 8 | 2＜1． 6 | 223．8 | 224，3 | － | 166.9 | 161．8 | 1etet | 166.2 | － |
| 2641 | Paper coating and glazing． | 60.1 | 97．8 | $6 \mathrm{C}$. | E 1.1 | － | 38.2 | 35.3 | $4 C . C$ | 40.3 | － |
| 2642 | Envelopes．．．． | 24.7 | 24.6 | 25.3 | 25．z | － | 15.5 | 15.2 | 20.1 | 19.8 | － |
| 2643 | Bags，except textile bags | 52.4 | g1．5 | 53.5 | E．t．s | － | 40.9 | 40.5 | 42.0 | 41.4 | － |
| 265 | Paperboard containers and boxes ．．．．．．．．．．．．．．． | 216.7 | 216.7 | 217.1 | 215.1 | － | 167．E | 167.5 | 168.1 | 166.1 | － |
| 2851 | Folding paperboard boxes ．．．．．．．．．．．．．．．．．． | 46.7 | 4 $6 . \varepsilon$ | 4E．7 | 45.8 | － | 37.2 | 37.3 | 37.1 | 36.2 | － |
| 2863 | Corrugated and solid fiber boxes | 108．5． | 1CE． 5 | 1c8． 8 | 1 CE．4 | － | 80.5 | ¢C． 6 | $8 \mathrm{CC.7}$ | 80.5 | － |
| 2854 | Senitery food conteiners ．．．．．．．．．．．．．．．．．． | 28.3 | 2 E .2 | 28.1 | 28.8 | － | 23.5 | 23.4 | 23.3 | 23.3 | － |
| 27 | PRINTING AND PUBLISHING ．．．．．．．．．．．．．．．．．． | 1，242．5 | 1， 221.0 | 1，272．C | 1，2et．s | 1，275．2 | 702．${ }^{\text {c }}$ | tec． | 721．c | 713.5 | 718.6 |
| 271 | Newspapers ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． | 420.7 | 413.3 | 429.4 | 428.9 | － | 168.6 | 1世E．0 | 172.6 | 171.3 | － |
| 272 | Periodicals ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． | 82.3 | ¢z．${ }_{\text {¢ }}$ | 84． 3 | ¢ \％． 7 | － | 14.0 | 14.2 | 14.0 | 13.7 | － |
| 273 | Books ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． | 103.0 | 102.0 | 105． 5 | 1 C6．C | － | 52.5 | 51.9 | 54．E | 55.3 | － |
| 2731 | Book publishing． | 73.7 | 72.9 | 75.2 | 75.5 | － | 28.2 | 27.2 | 2¢．$\varepsilon$ | 29.5 | － |
| 2732 | Book printing ．．．．．．．．．．．．．．．．．．．．．．．． | 25.3 | 25.1 | 30.7 | 34.5 | － | 24.8 | 24.7 | $2 E \cdot C$ | 25.8 | － |
| 274 | Miscellaneous publishing．．．．．．．．．．．．．．．．．．．．． | 48.5 | 48.0 | 50.1 | 49.9 | $\cdots$ | $25 . t$ | 25．5 | $3 C . t$ | 29.8 | － |
| 275 | Commerical printing ．．．．．．．．．．．．．．．．．．．．．．．． | 412.1 | $4 C \equiv . \varepsilon$ | 422.4 | 415.4 | － | 305.8 | 298.6 | 315.1 | 311.6 | － |
| 2751 | Commercial printing，letterpress | 173.2 | 172.4 | 175．1 | 172.2 | － | 128.0 | 127.1 | 130.0 | 127.4 | － |
| 2752 | Commercial printing，lithographic | 216.4 | zCs．z̀ | 224.3 | 224.0 | － | 159.1 | 159．0 | $1 \in E .5$ | 165.1 | － |
| 278 | Manifold business forms ．．．．．．．． | 48.4 | 47.0 | 50.0 65.9 | 45.9 | － | 34．2 | 32．5 | 35.5 | 35.6 54.1 | － |
| 278 | Blankbooks and bookbinding | 64.6 | 62.2 | 65.9 | 65.2 | － | 53.6 | 51.2 29.5 | 54.7 | 54.1 30.7 | － |
| 279 | Printing trede services ．．．．．．．．．．．．．．．．．．．．．．．． | 40.6 | 4C． 3 | 41.1 | 41.3 | － | 25.8 | 29.5 | 30.4 | 30.7 | － |
| 26 | CHEMICALS AND ALLIED PRODUCTS．．．．．．．．．．． | 1，112．7 | 1.100 .0 | 1．115．6 | 1，113．1 | 1，111．9 | 636.9 | 631.0 | E37．5 | 636.8 | 639.1 |
| 281 | Industrial inorganic chemicals．． | 171.5 | 165.1 | 173．5 | 174.3 | － | 93.0 | 93.7 | 92.0 | 95.2 | － |
| 2819 | Industrial inorganic chemicals，nec．．．．．．．．．．．．． | 110.6 | 105.9 | 111.2 | 11E．z | － | 55.7 | 60．E | 55.1 | 62.6 | － |
| 282 | Plastics materis／s and synthetict ．．．．．．．．．．．．．．．．． | 217.4 | c1t．z | 217.1 | 216.4 | － | 148.3 | 148.1 | 148.1 | 147.1 | － |
| 2821 | Plastics materials and resins． | 84.6 | 83.8 | 84.4 | 84.1 | $=$ | 51.5 | E1．E | 51.4 | 50.9 | － |
| 2824 | Organic fibers，noncalulosic | 56.7 | 96.8 | 95.8 | 95.6 | － | 69.7 | ES．7 | ES． 1 | 68.6 | － |
| 283 | Drugs ．．．．．． | 190.5 | 1عя．C | 193.0 | 153.6 | － | 94.1 | ¢1．e | ct． 6 | 96.7 | － |
| 2834 | Pharmaceutical preparetions | 152.8 | 150.6 | 154.7 | 154.7 | － | 72.4 | 7 C .9 | $74 . \varepsilon$ | 75.2 | － |
| 284 | Soap，cleaners，and toilet goods | 138.3 | 136.5 | 138.2 | 135.3 | － | 83.7 | 82.6 | 84.6 | 82.3 | － |
| 2841 | Soap and other detergants | 41.0 | 41.8 | 40.7 | 4C．C | － | 26.6 | 27.1 | $2 \in .6$ | 25.9 | － |
| 2844 | Toilet preparations．．．．．．．．．．．．．．．．．．．．．． | 55.5 | 54.1 | $56 . t$ | 54.5 | － | 34.3 | 32.5 | 3E．E | 33.7 | － |
| 2842， 3 | Polishing，sanitation，and finishing preparations．．． | 41.4 | $4 C . t$ | $4 \mathrm{C.S}$ | $4 \mathrm{C.E}$ | － | 22.8 | 22．E | 22.5 | 22.7 | － |
| 285 | Paints and allied produets ．．．．．．．．．．．．．．．．．．．． | ES． 5 | 68． 2 | 68.2 | 67.7 | － | 36.1 | 35．z | 34.7 | 34.0 | － |
| 288 | Industrial organic chemicals ．．．．．．．．．．．．．．．．．．． | 1EE．E | 1世4．E | 165.5 | 1＊4．s | － | 86.4 | 85.5 | 86.9 | 86.2 | － |



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

|  | Industry | All employess |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIC Code |  | $\begin{aligned} & \text { AVG. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { OEC } \\ & 1975 \end{aligned}$ | $\begin{aligned} & J A \Lambda_{0} \\ & 1 G E C \end{aligned}$ | $\begin{aligned} & \text { FER } \\ & \text { 1S8C } \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & J A N \text {. } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { CEC. } \\ & 1 S 75 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1980_{\mathrm{p}} \end{aligned}$ | $\begin{aligned} & \text { FE } 8 . \\ & 1980 \end{aligned}$ |
| 508 509 | WHOLESALE TRADE－DURABLE GOODS－ <br> Continued <br> Machinery，equipment，and supplıes <br> Miscellaneous durable goods． | $\begin{array}{r} 1,238.2 \\ 207.5 \end{array}$ | 1，195．4．4 | $1,245.7$ 212.5 | $1.2 \in C . E$ 211.5 | － | $1,011.1$ 175.4 | ¢ 73.8 $16 ¢ .8$ | $1 . c 24.7$ 180.9 | $\begin{array}{r} 1,028.5 \\ 179.9 \end{array}$ | － |
| 51 511 | WhOLESALE TRADE－NONDURABLE GOODS | 2,127 139.6 | 2， 102 136.9 | 2,150 141.7 | 2,112 141.9 | － | 1,749 113.0 | 1,732 110.9 | 1,765 115.0 | 1,734 114.8 | － |
| 512 | Paper and paper products ．．．．．．．．．．．．． | 142.8 | 141.6 | 14 E ． C | 145.5 | － | 121.8 | 121.2 | 123.8 | 124.5 | － |
| 513 | Apperel，piece goods，and notions | 169.3 | 164.7 | 172．E | 171．2 | － | 134.4 | 13 O .2 | 127．3 | 136.2 | － |
| 514 | Groceries and related products．．． | 645．0 | 641.5 | 644.4 | 630.7 | － | 556.1 | E54．E | E54．t | 541.8 | － |
| 516 | Chemicals and allied products．． | 116.5 | 115.2 | $117 . t$ | 11E．8 | － | 84． 5 | ع2．t | 86.4 | 86.7 | － |
| 517 | Petroleum and petroleum products | 224.6 | 228.8 | 225.1 | 226.7 | － | 165.4 | 172.0 | 164．3 | 165.3 | － |
| 518 | Beer，wine，and distilled beverages | 122．7 | 13玉．2 | 143． 3 | 1：5．5 | － | 117.8 | 113.0 | 121.8 | 117.9 | － |
| 519 | Miscetlaneous nondurable goods．． | 402.8 | 389.8 | 407.3 | 4 Cl ． 2 | － | 333.2 | 322.3 | 23E．z | 329．t | － |
| 52.59 | RETAIL TRADE． | 14，96E | 14，6ct | 15，ESE | 14，cet | 14，E1C | 13，452 | 13，223 | 14，162 | 13，446 | 13，261 |
| 52 | BUILDING MATERIALS AND GARDEN SUPPLIES | ¢ 25.0 | Ec7．4 | 634.1 | 614．1 | － | 533.5 | ECE．${ }^{\text {¢ }}$ | 541.3 | 521.9 | － |
| 521 | Lumber and other building materials ．． | 333.1 | 320.0 | 334.3 | 326.4 | － | 285.5 | $274 \cdot \mathrm{z}$ | 285.5 | 277.3 | － |
| 525 | Hardware stores ．．．．．．．．．．．．．．．． | 14t．s | 142．9 | 152．5 | 142．8 | － | 126.5 | 123.4 | 133.2 | 128.7 | － |
| 53 | GENERAL MERCHANDISE STORES | 2，265．4 | 2，377．1 | 2，558．3 | $2,50 t-6$ | － | 2，111．2 | 2，223．E | 2， 3 ¢¢．£ | 2，145．4 | － |
| 531 | Department stores | 1，834．4 | 1，94三．2 | 2，c82．1 | 1，8民4．8 | － | 1，720．6 | $1,829.1$ | 1，964．4 | 1，767．3 | － |
| 533 | Variety stores | 283.1 | 290．5 | ミOE．E | 273.1 | － | 2t2．3 | 27 C .7 | 286．z | 250.3 | － |
| 539 | Misc．general merchandise stores． | 147．5 | 143．4 | $1 \in C . t$ | 14E．7 | － | 128.4 | 123．E | 149.2 | 127.8 | － |
| 54 | food stores | 2，281．1 | 2，252．3 | 2，380．9 | 2，328．5 | － | 2，104．5 | 2，07t．s | 2，194．8 | 2，148．0 | － |
| 541 | Grocery stores | 2，003． | 1， 574.3 | 2，081．4 | 2，057．2 | － | 1，850．5 | 1，823．4 | 1，924．2 | 1，899．5 | － |
| 542 | Meat markets and freezer provisioners | 52.3 | 52.2 | E2．ż |  | － | $\bar{\square}$ | － | － | － | － |
| 546 | Retail bakeries | 125．t | 124.3 | 128.8 | 125．3 | － | $115 . t$ | 114.7 | 118．s | 115.2 | － |
| 55 | AUTOMOTIVE DEALERS AND SERVICE STATIONS | 1， 827.3 | 1，E72．e | 1，788．9 | 1，77E．0 | － | 1，558．8 | 1， 405.5 | 1， 515.1 | 1，503．6 | － |
| 551，2 | New and used car dealers． | 893．${ }^{\text {e }}$ | SCE． 5 | $868 . \mathrm{C}$ | $\varepsilon \in 9 . C$ | － | 742.6 | 755.1 | 717.5 | 709.0 | － |
| 553 | Auto and home supply stores | 259.7 | 257．3 | 262.5 | 25E．1 | － | 22 t．s | 225．0 | 22¢．E | 223.8 | － |
| 554 | Gasoline service stations | E85．6 | cic．l | 571.4 | E67．8 | － | 514.1 | 557．1 | 4SE． 3 | 495.9 | － |
| 56 | APPAREL AND ACCESSORY STORES． | 935.5 | 933.5 | 1，061．3 | 952.0 | － | 807.4 | 80¢．1 | ¢27．7 | 819.6 | － |
| 561 | Men＇s and boys＇clothing and furnishings | 142.0 | 145．4 | 1，5．t | 147.3 | － | 120.9 | 124.4 | 143.4 | 125.4 | － |
| 562 | Women＇s ready to wear stores ．．．．．．．． | 356.7 | $35 \equiv$－1 | 395.2 | $25 ¢, 5$ | － | 311.1 | $3 ¢ \mathrm{E} .2$ | $351 . \varepsilon$ | 312.5 | － |
| 565 | Family clothing stores | 175.7 | 173．8 | 215.9 | 184.2 | － | 154.4 | $15 \pm .5$ | 153．？ | 161.6 | － |
| 566 | Shoe stores ．．．．．．．．． | 175．C | 172．E | 185.2 | 172.5 | － | 145.7 | 144.7 | 155.1 | 144.5 | － |
| 57 | FURNITURE AND HOME FURNISHINGS STORES | 613.5 | C1ミ．C | 625.5 | 618． 3 | － | 507.9 | 508．5 | 523.4 | 511.4 | － |
| 571 | Furniture and home furnishings | 3 Et． 2 | 365.6 | 374.7 | 3t8．2 | － | 307.1 | 306.5 | 213.5 | 308.2 | － |
| 572 | Household appliance stores ．．． | 90.1 | ¢¢． 7 | 51.6 | 88．9 | － | 77.0 | 76.5 | 78.4 | 76.1 | － |
| 573 | Radio，television，and music stores | 157.2 | 157.7 | 162.8 | $1 \in 1.2$ | － | 123．8 | 125．5 | 121.1 | 127.1 | － |
| 58 | EATING AND DRINKING PLACES ．．． | 4，534．c | 4，1E1．5 | 4，581．E | 4，4E7．E | － | 4，169．6 | 3，840．1 | 4，218．2 | 4，119．6 | － |
| 59 | MiSCELLANEOUS RETAIL | 1，88ミ．7 | 1，E71． $\mathrm{z}^{\text {c }}$ | $2, \mathrm{cte} .3$ | 1，CCE．9 | － | 1，659．5 | $1, \in E C .7$ | 1，E32．5 | 1，676．1 | － |
| 591 | Drug stores and proprietary stores | 508.5 134.5 | － 506.4 | 541．8 | S22． | － | 463.6 | $4 \in 2.3$ | 497.1 | 478．0 | － |
| 592 | Liquor stores ．．．．．．．．．．．．． | 134.5 | 127.1 | 147.9 | 141.5 | － | － | － | － | － |  |
| 594 | Miscellaneous shopping goods stores | 571.7 | EsE．1 | 667.1 | 575.4 | － | 489.6 | 476.3 | 580.2 | 492.5 | － |
| 596 | Nonstore retailers ．．．．．．．．．．．．．．． | 267.1 | 279.6 | 287.3 | 25¢．8 | － | 251.2 | 264．0 | 278.7 | 245.2 | － |
| 598 | Fuet and ice dealers | 102． | 105.5 | $107 . \mathrm{C}$ | $1 \mathrm{C7} 2$ | － | 86.9 | S4． 5 | 50.4 | 90.7 | － |
| 599 | Retail stores，nec－ | 244.6 | 236.4 | 255．t | ここと．7 | － | 206． 7 | 195．5 | 216.6 | 200.5 | － |
|  | FINANCE，INSURANCE，AND REAL ESTATE ${ }^{3}$ | 4，963 | 4，829 | 5，041 | 5，C42 | 5，046 | 3，772 | $3, \in \in E$ | 3， 113 | 3，803 | 3，821 |
| 60 | BANKING | 1，488．5 | 1，4！¢． 1 | 1，512．0 | 1，5EC． 3 | － | 1，153．1 | 1，133．2 | 1，170．0 | 1，172．7 | ＝ |
| 602 | Commercial and stock savings banks． | 1，358．4 | 1，331．E | 1，380．e | $1,2 \varepsilon 7.4$ | － | 1，047．2 | 1，（29．e | 1，0Ez． 4 | 1，364．6 | － |
| 61 | Credit agencies other than banks | 549.1 | EEz．1 | 565.5 | 564． 5 | － | 421.4 | 408．5 | $432 . t$ | 431.5 | － |
| 612 | Savings and loan associations | 237.6 | 228.8 | 245.5 | 245.2 | － | 184.0 | 178.1 | 185．$¢$ | 189.4 | － |
| 614 | Personal credit institutions．． | 210．6 | ECE．E | 21 \＆． 5 | 218.6 | － | 160.6 | 155.2 | let．${ }^{\text {E }}$ | 166.5 | － |
| 62 | SECURITY，COMMODITY BROKERS，AND SERVICES | 205.4 | 1¢8．1 | 212.5 | 214.0 | － | － | － | － | － | － |
| 621 | Security brokers and dealers ．．．．．．．．．．． | 164.8 | 155.5 | 169.5 | 171．C | $\cdots$ | － | － | － | － | － |
| 63 | INSURANCE CARRIERS | 1，213． | 1，154．c | 1，22E．c | 1， 22 E．$\overline{\text { I }}$ | － | 849.3 | 833.2 | $853 . t$ | $851.9$ | － |
| 631 | Life insurance ．．．．．． | 523.5 | 518.3 | S26．6 | 525．5 | － | 312.5 | 3 C ． 7 | $21 \pm .7$ | 313.3 | － |

[^8]

[^9]
## ESTABLISHMENT DATA

## EMPLOYMENT

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

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Industry | All employer |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & A V G \text { © } \\ & 1 S 7{ }^{\circ} \end{aligned}$ | $\begin{aligned} & \text { JAA } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JAR. } \\ & 1980^{\circ} P \end{aligned}$ | $\begin{aligned} & \text { EEB } \\ & 1 ¢ \theta C P \end{aligned}$ | $\begin{aligned} & \text { AVG: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | JAN. $1980 \mathrm{P}$ | $\begin{aligned} & \text { FE日. } \\ & 1980^{\circ} \end{aligned}$ |
| - | Executive-Continued <br> Transportation and public utilities, except Postal Service <br> Services <br> Hospitals <br> Legislative <br> Judicial. <br> STATE AND LOCAL GOVERNMENT <br> State government <br> Hospitals <br> State education <br> General administration including executive, legislative, and judicial functions <br> Local government <br> Transportation and public utilities <br> Hospitals <br> Local education <br> General administration including executive, legislative, and judicial functions | $51 . \epsilon$ 384.4 224.6 35.8 13.2 12.839 $2,443.9$ 562.1 $1,378.6$ 511.6 $5,395.2$ 567.2 528.5 $5,132.2$ $2,786.2$ | $45 . C$ 375.1 223.4 $35 . C$ $13 . c$ $12,77 C$ $3,388.4$ 562.2 $1,351.5$ $E 56.6$ $9,381.3$ 576.2 515.9 $5,254.2$ $2,694.1$ | $\begin{array}{r} 51.2 \\ 380.2 \\ 225.9 \\ 35.5 \\ 13.2 \\ 13,145 \\ 3,543.6 \\ 564.5 \\ 1,482.5 \\ 501.6 \\ 9.631 .7 \\ 596.0 \\ 535.2 \\ 5,352.3 \\ 2.735 .7 \end{array}$ |  | $13,150$ |  | - - - - - - - - - - | - | - | - <br> - <br> - <br> - <br> - <br> - <br> - <br> - |
| ${ }^{1}$ Data relate to production and related workers in mining and manufacturing: to construction workers in construction; and to nonsupervisory workers in transportation and public utilities: wholesale and retail trade: finance, insurance, and real estate; and services. <br> ${ }^{2}$ Beginning January 1978, data relate to tine haul railroads with operating revenues of $\mathbf{S 5 0 , 0 0 0 , 0 0 0}$ |  |  |  |  |  |  |  |  |  |  |  |

B-3. Women employees on nonagrioutural payrolle by industry


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

| $\begin{gathered} 1972 \\ \text { sic } \\ \text { Code } \end{gathered}$ | Industry | $\begin{aligned} & \text { AVG. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1978 \end{aligned}$ | $\begin{aligned} & \text { oct. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { NOF. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PRIMARY METAL INDUSTRIES - Continued |  |  |  |  |  |
| 3321 | Gray iron foundries . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 9.9 | 10.4 | 9.2 | 8.9 | 8.3 |
| 3322 | Malieable iron foundries. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1.6 | 1.7 | 1.4 | 1.4 | 1.3 |
| 3325 | Steel foundries, nec . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 4.7 | 4.5 | 4.9 | 4.9 | 4.9 |
| 333 | Primary nonferrous metals . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 4.8 | 4.5 | 4.9 | 4.9 | 5.0 |
| 3334 | Primary aluminum . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2.0 | 1.7 | 2.0 | 2.0 | 2.1 |
| 335 | Nonferrous rolling and drawing . . . . . . . . . . . . . . . . . . . . . . . . | 42.9 3.8 | 42.4 | 43.7 3.7 | 43.8 3.7 | 44.1 |
| 3351 | Copper rolling and drawing . . . . . . . . . . . . . . . . . . . . . . . . . . . | 3.8 4.4 | 3.7 4.3 | 3.7 4.4 | 3.7 4.4 | 3.6 4.3 |
| 3353 | Aluminum sheet, plate, and foil . . . . . . . . . . . . . . . . . . . . . . . | 4.4 | 4.3 | 4.4 26.2 | 4.4 26.3 | 4.3 26.8 |
| 3357 | Nonferrous wire drawing and insulating . . . . . . . . . . . . . . . . . . | 25.3 | 25.1 | 26.2 | 26.3 16.6 | 26.8 |
| 336 3361 |  | 16.5 8.1 | 16.5 7.9 | 16.7 8.3 | 16.6 8.4 | 16.8 8.5 |
| 3361 | Aluminum foundries ..................................... |  |  |  | 0.4 |  |
| 34 | FABRICATED METAL PRODUCTS | 361.3 | 356.3 | 366.6 | 367.3 | 365.3 |
| 341 | Metal cans and shipping containers. | 13.6 | 12.8 | 13.7 | 13.5 | 13.6 |
| 3411 | Metal cans . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 11.8 | 11.1 | 11.8 | 11.6 | 11.6 |
| 342 | Cutlery, hand tools, and hardware | 62.3 | 63.4 | 62.0 | 63.1 | 62.4 |
| 3423, 5 | Hand and edge tools, and hand saws and blades . . . . . . . . . . . . . . | 17.5 37.5 | 17.4 | 17.8 | 17.9 | 18.0 |
| 3429 | Hardware, nec . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 37.5 | 38.6 | 36.9 | 37.8 | 36.9 |
| 343 | Plumbing and heating, except electric. . . . . . . . . . . . . . . . . . . . . . | 19.5 73.3 | 18.9 | 19.8 | 19.8 | 20.0 75.6 |
| 344 3441 | Fabricated structural metal products . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Fabricated structural metal. . . . . . . . . . | 73.3 7.7 | 71.7 7.3 | 76.7 8.1 | 76.2 8.1 | 75.6 8.2 |
| 3442 | Metal doors, sash, and trim. | 23.4 | 23.7 | 25.1 | 24.5 | 23.6 |
| 3443 | Fabricated plate work (boiler shops) | 16.5 | 15.8 | 17.1 | 17.1 | 17.5 |
| 3444 | Sheet metal work. | 15.5 | 14.9 | 16.2 | 16.3 | 16.0 |
| 345 | Screw machine products, bolts, ete. | 26.4 | 24.9 | 27.2 | 27.5 | 27.5 |
| 3451 | Screw machine products. . . . . . | 13.6 | 12.8 | 14.1 | 14.2 | 14.3 |
| 3452 | Bolts, nuts, rivets, and washers. | 12.8 | 12.1 | 13.1 | 13.3 | 13.2 |
| 346 | Metal forgings and stampings | 59.3 | 60.0 | 59.1 | 58.5 | 57.7 |
| 3462 | Iron and steel forgings. | 4.6 | 4.3 | 4.6 | 4.6 | 4.6 |
| 3465 | Automotive stampings | 14.4 | 16.1 | 13.9 | 13.6 | 12.8 |
| 3469 | Metal stampings, nec | 38.2 | 37.4 | 38.6 | 38.2 | 38.1 |
| 347 | Metal services, nec | 26.5 | 26.5 | 26.7 | 26.9 | 26.8 |
| 3471 | Plating and polishing | 18.2 | 18.6 | 18.4 | 18.5 | 18.3 |
| 3479 | Metal coating and allied services. | 8.3 | 7.9 | 8.3 | 8.4 | 8.5 |
| 348 | Ordnance and accessories, nec | 17.2 | 16.9 | 17.0 | 17.1 | 17.1 |
| 349 | Misc. fabricated metal products | 63.2 | 61.2 | 64.4 | 64.7 | 64.6 |
| 3494 | Valves and pipe fittings .... | 23.3 | 22. 1 | 23.6 | 24.0 | 23.9 |
| 3496 | Misc. fabricated wire products . . . . . . . . . . . . . . . . . . . . . . . . . | 14.6 | 14.0 | 14.9 | 15.1 | 15.1 |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 473.6 | 455.3 | 481.6 | 484.3 | 487.6 |
| 351 | Engines and turbines | 25.3 | 25.2 | 25.5 | 24.4 | 24.6 |
| 3511 | Turbines and turbine generator sets | 5.48 | 5.9 | 5.8 | 5.9 | 5.8 |
| 3519 | Internal combustion engines, nec. . | 19.5 | 19.3 | 19.7 | 18.5 | 18.8 |
| 352 | Farm and garden machinery . | 26.2 | 25.5 | 24.2 | 26.4 | 27.0 |
| 3523 | Farm machinery and equipment | 20.3 | 19.2 | 18.8 | 20.7 | 21.1 |
| 353 | Construction and related machinery | 44.8 13.7 | 42.4 | 45.7 13.3 | 44.1 | 44.6 11.4 |
| 3531 | Construction machinery. | 13.7 | 13.9 10.0 | 13.3 | 11.1 | 11.4 12.5 |
| 3533 | Oil field machinery. | 11.5 | 10.0 | 12.2 | 12.3 | 12.5 |
| 354 | Metalworking machinery. . | 58.2 | 54.7 | 59.6 | 60.1 | 60.2 |
| 3541 | Machine tools, metal cutting types. | 10.0 | 9.1 | 10.3 | 10.5 | 10.6 |
| 3544 | Special dies, tools, ilgs, and fixtures. | 15.6 | 15.1 | 15.5 | 15.3 | 15.0 |
| 3545 | Machine tool accessories. . . . | 14.3 | 13.4 | 14.8 | 14.9 | 15.0 |
| 355 | Special industry machinery. | 31.1 | 30.5 | 31.9 | 32.0 | 32.1 |
| 3551 | Food products machinery | 6.6 | 6.3 | 6.8 | 6.8 | 6.8 |
| 3552 | Textile machinery ..... | 5.3 | 5.1 | 5.5 | 5.5 | 5.5 |
| 3555 | Printing trades machinery . . . . . . . . . . . . . . . . . . . . . . . . . . . | 7.3 | 7.5 | 7.3 | 7.4 | 7.4 |
| 356 | General industrial machinery | 62.6 | 60.6 | 64.0 | 64.1 | 64.1 |
| 3561 | Pumps and pumping equipment. | 11.1 | 11.0 | 11.1 | 11.2 | 11.2 |
| 3562 | Ball and roller bearings . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 14.1 | 14.0 | 14.6 | 14.7 | 14.7 |
| 357 | Office and computing machines . . . . . . . . . . . . . . . . . . . . . . . . . | 137.5 | 129.3 | 142.6 | 145. 1 | 147.0 |
| 3573 | Electronic computing equipment. | 110.2 | 101.0 | 115.4 | 117.2 | 118.8 |
| 358 | Refrigeration and service machinery . . . . . . . . . . . . . . . . . . . . . . | 39.0 | 38.8 | 39.4 | 39.1 | 39.0 |
| 3585 | Refrigeration and heating equipment . . . . . . . . . . . . . . . . . . . . . | 26.1 | 25.4 | 26.3 | 26.1 | 26.0 |
| 359 | Misc. machinery, except electrical. . | 48.8 | 48.3 36.6 | 48.7 36.9 | 49.0 37.5 |  |
| 3599 | Machinery, except electrical, nec | 37.1 | 36.6 | 36.9 | 37.5 | 37.5 |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 894.4 | 868.6 | 916.3 | 917.7 | 923.7 |
| 361 | Electric distributing equipment . | 44.6 | 43.7 | 45.3 | 45.7 | 46.0 |
| 3612 | Transformers. | 19.8 | 19.5 | 20.2 | 20.3 | 20.3 |
| 3613 | Switchgear and switchboard apparatus. | 24.9 | 24.2 | 25.1 | 25.4 | 25.7 |
| 362 | Electrical industrial apparatus. . . . . . . . . . | 99.3 | 97.5 | 98.8 | 98.6 | 98.5 |
| 3621 | Motors and generators | 55.4 | 54.8 | 54.6 | 54.2 | 54.1 |
| 3622 | Industrial controls. | 29.8 | 29.4 | 29.7 | 29.9 | 30.0 |
| 363 | Househoid appliances. | 59.7 | 58.8 | 62.7 | 63.0 | 62.9 |
| 3632 | Household refrigerators and treezers | 10.2 | 8.9 | 10.4 | 10.6 | 10.8 |
| 3633 | Household laundry equipment | 4.9 | 4.4 | 5.0 | 5.0 | 5.2 |
| 3634 | Electric housewares and fans... | 26.4 | 27.7 | 28.0 | 28.4 | 28.3 |
| 364 | Electric lighting and wiring equipment. | 106.1 | 104.8 | 107.1 | 106.6 | 107.9 |
| 3641 | Electric lamps....... | 24.4 | 24.6 | 24.6 | 24.1 | 24.8 |

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

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Induatry | $\begin{aligned} & A V G . \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1978 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { NOF. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ELECTRIC AND ELECTRONIC EQUIPMENT - Continued |  |  |  |  |  |
| 3643 | Current-cartying wiring devices | 48.7 | 47.2 | 49.6 | 50.0 | 50.8 |
| 365 | Radio and TV receiving equipment. | 59.4 | 63.3 | 62.5 | 60.3 | 60.0 |
| 3651 | Radio and TV receiving sets.... | 46.6 | 48.1 | 47.6 | 47.9 | 47.5 |
| 366 | Communication equipment .... | 196.4 | 186.9 | 203.5 | 205.2 | 206.9 |
| 3661 | Telephone and telegraph apparatus | 77.9 | 74.1 | 80.7 | 81.0 | 81.9 |
| 3662 | Radio and TV communication equipment. | 118.5 | 112.8 | 122.8 | 124.2 | 125.0 |
| 367 | Electronic components and accessories . | 271.2 16.7 | 255.1 16.0 | 279.0 16.9 | 282.5 | 284.7 17.2 |
| $3671-3$ | Electronic tubes. | 16.7 | 16.0 | 16.9 | 17.1 | 17.2 |
| 3674 | Semiconductors and related devices | 92.0 111.4 | 86.7 104.8 | 95.8 114.0 | 97.3 115.5 | 98.6 115.6 |
| 3679 | Electronic components, nec. | 111.4 57.6 | 104.8 58.5 | 114.0 57.4 | 115.5 55.8 | 115.6 56.8 |
| 369 3694 | Misc. electrical equipment and supplies | 57.6 26.1 | 58.5 28.5 | 57.4 24.8 | 55.8 23.3 | 56.8 23.7 |
| 3694 | Engine electrical equipment. | 26.1 | 28.5 | 24.8 | 23.3 | 23.7 |
| 37 | TRANSPORTATION EQUIPMENT | 319.4 | 319.4 | 318.5 | 316.1 | 315.8 |
| 371 | Motor vehicles and equipment | 139.9 | 149.2 | 133.8 | 130.5 | 130.3 |
| 3711 | Motor vehicles and car bodies | 54.0 | 58.0 | 51.9 | 50.1 | 52.6 |
| 3713 | Truck and bus bodies. | 5.6 | 5.4 | 5.6 | 5.4 | 5.3 |
| 3714 | Motor vehicle parts and accessories | 77.9 | 83.5 | 73.8 | 72.6 | 70.0 |
| $3: 2$ | Aircraft and parts . . . . . . . . | 111.5 | 100.9 | 115.8 | 117.1 | 117.6 |
| 3721 | Aircraft | 64.4 | 58.1 | 66.3 | 66.7 | 66.6 |
| 3724 | Aircraft engines and engine parts | 24.5 | 22.3 | 26.0 | 26.6 | 26.8 |
| 3728 | Aircraft equipment, nec. | 22.6 | 20.5 | 23.5 | 23.8 | 24.2 |
| 373 | Ship and boat building and repairing | 23.1 | 23.7 | 23.5 | 23.0 | 22.4 |
| 3731 | Ship building and repairing | 14.9 | 14.7 | 15.9 | 15.8 | 15.5 |
| 374 | Railroad equipment ........ | 6.3 | 5.9 | 6.6 | 6.7 | 6.7 |
| 376 | Guided missiles, space vehicles, parts | 20.6 | 19.2 | 21.3 | 21.5 | 21.9 |
| 3761 | Guided missiles and space vehicles | 17.1 | 15.9 | 17.6 | 17.8 | 18.2 |
| 379 | Miscellaneous transportation equipment. | 11.3 | 14.9 | 10.4 | 10.3 | 10.3 |
| 38 | INSTRUMENTS AND RELATED PRODUCTS | 294.3 | 287.8 | 297.1 | 297.2 | 297.4 |
| 381 | Engineering and scientific instruments | 22.4 | 21.0 | 23.1 | 23.3 | 23.6 |
| 382 | Measuring and controlling devices | 98.8 | 94.6 | 100.6 | 100.1 | 100.7 |
| 3822 | Environmental controls . . . . | 23.5 | 22.9 | 23.7 | 23.5 | 23.5 |
| 3823 | Process control instruments. | 16.8 | 16.6 | 16.9 | 17.1 | 17.3 |
| 3825 | Instruments to measure electricity | 42.5 | 39.8 | 43.3 | 43.2 | 43.1 |
| 383 | Optical instruments and lenses | 10.8 | 10.0 | 11.8 | 11.7 | 11.7 |
| 384 | Medical instruments and supplies | 79.0 | 78.9 | 79.0 | 80.5 | 80.4 |
| 3841 | Surgical and medical instruments. | 36.2 | 36.2 | 36.0 | ,37.0 | 36.9 |
| 3842 | Surgical appliances and supplies. | 34.6 | 34.0 | 35.0 | 35.4 | 35.6 |
| 385 | Ophthaimic goods. . . . . . . | 26.0 | 25.6 | 26.3 | 26.4 | 26.6 |
| 386 | Photographic equipment and supplies. | 39.0 | 38.3 | 38.3 | 38.3 | 38.1 |
| 387 | Watches, clocks, and watchcases.... | 18.3 | 19.4 | 18.0 | 16.9 | 16.3 |
| 39 | MISCELLANEOUS MANUFACTURING INDUSTRIES. | 214.6 | 213.9 | 225.3 | 222.7 | 211.1 |
| 391 | Jewelry, silverware, and plated ware. | 28.7 | 30.7 | 29.5 | 30.2 | 29.0 |
| 393 | Musical instruments | 11.1 | 11.9 | 10.8 | 10.7 | 10.6 |
| 394 | Toys and sporting goods | 64.1 | 59.2 | 72.9 | 69.9 | 61.1 |
| 3942, 4 | Dolls, games, toys, and children's vehicles | 34.0 | 30.3 | 42.0 | 38.5 | 30.8 |
| 3949 | Sporting and athletic goods, nec | 30.1 | 28.9 | 30.9 | 31.4 | 30.3 |
| 395 | Pens, pencils, office and art supplies. | 22.9 | 21.7 | 23.4 | 23.7 | 24.0 |
| 396 | Costume jewelry and notions. | 36.1 | 39.3 | 35.6 | 35.8 | 34.9 |
| 399 | Miscellaneous manufactures | 51.7 | 51.1 | 53.1 | 52.4 | 51.5 |
|  | nondurable goods |  |  |  |  |  |
| 20 | FOOD AND KINDRED PRODUCTS | 504.2 | 498.1 | 535.5 | 513.5 | 496.0 |
| 201 | Meat products | 115.0 | 112.2 | 119.5 | 120.5 | 118.3 |
| 2011 | Meat packing plants ...... | 28.2 | 27.7 | 28.8 | 30.0 | 29.8 |
| 2013 | Sausages and other prepared meats | 21.1 | 21.5 | 21.0 | 21.3 | 20.8 |
| 2016 | Poultry dressing plants | 58.7 | 56.2 | 62.0 | 61.8 | 60.5 |
| 202 | Dairy"products | 37.4 | 37.0 | 37.8 | 37.5 | 37.1 |
| 2026 | Fluid milk | 19.2 | 19.1 | 19.2 | 19.2 | 19.0 |
| 203 | Preseíved fruits and vegetables. | 105.4 | 98.5 | 119.4 | 100.4 | 88.8 |
| 2032 | Canned specialties | 9.0 | 9.9 | 9.2 | 8.8 | 9.1 |
| 2033 | Canned fruits and vegetables | 36.5 | 27.6 | 45.8 | 33.5 | 25.5 |
| 2037 | Frózen fruits and vegetables | 25.8 | 26.0 | 27.7 | 25.2 | 22.6 |
| 204 | Grain mill products | 28.8 | 28.8 | 29.1 | 28.9 | 29.0 |
| 205 | Bakery products | 62.3 | 62.5 | 63.2 | 62.4 | 62.1 |
| 2051 | Bread, cake, and related products | 42.0 | 42.5 | 41.9 | 41.9 | 41.7 |
| 2052 | Cookies and crackers | 20.3 | 20.0 | 21.3 | 20.5 | 20.4 |
| 206 | Sugar and confectionery producrs | 42.7 | 45.9 | 48.1 | 48.5 | 46.6 |
| 207 | Fats and oils | 5.2 | 5.3 | 5.4 | 5.4 | 5.4 |
| 208 | Beverages | 36.9 | 35.9 | 39.3 | 38.6 | 38.4 |
| 2082 | Malt beverages | 6.2 | 5.8 | 6.5 | 6.5 | 6.5 |
| 2086 | Bottled and canned soft drinks | 17.3 | 16.7 | 17.9 | 17.6 | 17.6 |
| 209 | Misc. foods and kindred products | 70.6 | 72.0 | 73.7 | 71.3 | 70.3 |
| 21 | tobacco manufactures | 24.2 | 28.4 | 27.8 | 24.0 | 24.2 |
| 211 | Cigarettes. | 13.6 | 13.8 | 13.7 | 13.6 | 13.5 |

## ESTABLISHMENT DATA

## B-3. Women employees on nonagricultural payrolls by induaty-Continued

| $\begin{gathered} 1972 \\ 81 C \\ \text { Coda } \end{gathered}$ | Indurtry | $\begin{aligned} & \text { AVO. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1978 \end{aligned}$ | $\begin{aligned} & \text { oct. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & 107 \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22 | TEXTILE MILL PRODUCTS | 423.0 | 424.6 | 424.5 | 427.2 | 425.8 |
| 221 | Weaving mills, cotton . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 65.5 | 64.5 | 65.7 | 66.7 | 67.1 |
| 222 | Weaving mills, synthetict | 51.5 | 51.1 | 51.9 | 52.0 | 51.7 |
| 223 | Werving and finishing mills, wool | 8.3 | 8.2 | 8.3 | 8.4 | 8.4 |
| 224 | Narrow fabric mills . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 15.2 | 15.5 | 15.2 | 15.1 | 15.0 |
| 225 | Knitting mills . . . . | 149.0 | 150.3 | 149.2 | 150.4 | 149.6 |
| 2251 | Women's howiery, except socks | 23.4 | 23.5 | 23.9 | 24.0 | 24.0 |
| 2252 | Hosiery, nec .... | 25.0 | 25.3 | 24.1 | 25.0 | 24.9 |
| 2253 | Knit outerwear mills | 52.7 | 53.6 | 53.9 | 53.7 | 52.9 |
| 2254 | Knit underwear mills | 25.3 | 24.9 | 25.1 | 25.4 | 25.4 |
| 2257 | Circular knit fabric mills. | 12.9 | 13:3 | 12.7 | 12.7 | 12.9 |
| 226 | Textile finishing, except wool | 23.2 | 23.1 | 23.6 | 23.3 | 23.2 |
| 2261 | Finishing plants, cotton . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 2282 | Finishing plants, synthatic Floor covering mills ....... | 6.3 | 6.1 | 6.4 | 6.3 | 6.4 |
| 228 | Floor covering mills . | 24.9 | 25.5 | 24.9 | 25.0 | 24.4 |
| 2281 | Yarn mills, except wool | 64.6 41.3 | 65.3 | 65.2 | 65.6 | 65.4 |
| 2282 | Throwing and winding mills | 12.4 | 12.7 | 12.5 | 12.3 | 12.1 |
| 229 | Miscellaneous textile goods . . . . . . . . . . . . . . . . . . . | 20.8 | 21.1 | 20.5 | 20.7 | 21.0 |
| 23 | APPAREL AND OTHER TEXTILE PRODUCT8 . . . . . . . . . . . . . . | 1,064.2 | 1,076.9 | 1.068.0 | 1.060.5 | 1,047.7 |
| 231 | Men's and bovs' suits and coats . . . . . . . . . . . . . . . . . . . . . . . . | 1,06.7 | . 70.1 | . 63.7 | , 64.8 | 64.7 |
| 232 2321 | Mon's and bovs' furnishings . . . . . . . . . . . . . . . . . Men's and boys' | 308.2 | 305.4 | 311.8 | 311.4 | 310.6 |
| 2327 | Men's and bove' shirtt and nightwear . . . . . . . . . . | 92.4 | 93.1 | 93.5 | 92.6 | 91.5 |
| 2328 | Men's and boys noperate trouters . . . . . . . . . . . . . . | 65.6 | 65.1 | 66.1 | 66.3 | 66.2 |
| 233 | Women's and misses' outarwaar .. | 375.5 | 378.8 | 375.6 | 370.0 | 362.1 |
| 2331 | Women's and misces' blouses and waiss | 53.5 | 54.9 | 52.7 | 52.1 | 50.4 |
| 2335 | Women's and misuer'. drases | 147.3 | 146.8 | 147.2 | 145.8 | 144.2 |
| 2337 | Women's and misses' suits and coats | 53.4 | 51.4 | 54.9 | 49.6 | 46.5 |
| 2338 | Women's and misces' outerwar, nec | 121.2 | 125.7 | 120.8 | 122.5 | 121.0 |
| 234 | Woman's and children's undargarments | 77.9 | 78.9 | 78.6 | 78.9 | 77.3 |
| 2341 | Wommen's and children's underwear | 62.1 | 62.7 | 63.0 | 63.1 | 61.4 |
| 2342 | Bramiares and allied garmanta | 15.8 | 16.2 | 15.6 | 15.8 | 15.9 |
| 238 | Children's outerwas | 56.9 | 58.5 | 55.3 | 55.9 | 53.1 |
| 2361 | Chlidren's dremes and blouses | 22.5 | 23.6 | 22.2 | 21.9 | 21.6 |
| 238 | Mise. apparal and accessorlas | 44.4 | 45.5 | 44.8 | 43.4 | 42.6 |
| 239 | Misc, fabricated textile products | 121.4 | 126.4 | 124.9 | 122.9 | 122.2 |
| 2391 | Curtains and draparies | 24.2 | 24.5 | 25.3 | 25.4 | 25.3 |
| 2392 | House furnishings, nec. | 32.7 | 32.4 | 34.3 | 34.7 | 34.3 |
| 2398 | Automotive and apparel trimmings | 18.5 | 20.6 | 19.5 | 17.0 | 17.7 |
| 28 | Paper and allied products | 163.8 | 161.1 | 166.1 | 165.1 | 162.6 |
| 261. 2.6 | Paper and pulp mitls . . . . . . . . | 26.2 | 24.8 | 26.8 | 27.0 | 26.8 |
| 282 | Paper mills, excopt building paper | 23.3 | 22.0 | 23.6 | 23.7 | 23.6 |
| 283 | Paperboard mills ............ | 6.4 | 6.2 | 6.5 | 6.5 | 6.6 |
| 264 | Misc. converted paper products | 78.8 | 77.0 | 79.6 | 78.7 | 76.9 |
| 285 | Paparboard containers and boxes. | 52.5 | 53.1 | 53.2 | 52.9 | 52.3 |
| 27 | PRINTING AND PUBLISHING. | 485.6 | 473.9 | 495.5 | 500.2 | 504.3 |
| 271 | Newspapers | 152.5 | 147.4 | 156.9 | 158.5 | 160.2 |
| 272 | Periodicals. | 50.5 | 49.8 | 51.0 | 51.8 | 51.8 |
| 273 | Books | 55.1 | 54.3 | 54.0 | 55.5 | 57.0 |
| 274 | Miscallaneous publishing | 26.2 | 26.6 | 25.9 | 26.3 | 27.1 |
| 275 | Commercial printing . . . . . . | 129.1 | 126.8 | 133.0 | 133.6 | 134.0 |
| 2751 | Commercial printing, letterpress | 57.7 | 58.0 | 59.4 | 59.5 | 59.4 |
| 2752 | Commercial printing, lithographic | 65.9 | 63.6 | 67.9 | 68.5 | 68.9 |
| 276 | Manifold business forms | 15.5 | 14.7 | 15.8 | 16.0 | 16.1 |
| 278 | Blankbooks and book bi nding | 34.2 | 32.4 | 35.4 | 35.4 | 35.0 |
| 279 | Printing trade services | 9.0 | 8.8 | 9.4 | 9.4 | 9.5 |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 271.5 | 264.3 | 275.5 | 276.6 | 275.7 |
| 281 | Industrial inorganic chemicals .... | 24.7 | 23.5 | 25.2 | 25.5 | 25.4 |
| 2819 | Industrial inorganic chemicals, nec | 16.4 | 15.9 | 16.5 | 16.7 | 16.7 |
| 282 | Plastics materials and aynthetics | 46.7 | 45.2 | 47.1 | 46.9 | 46.7 |
| 2821 | Plastics materials and resins | 11.0 | 10.4 | 11.3 | 11.2 | 11.3 |
| 2824 | Organic fibers, noncellulosic | 26.6 | 26.4 | 26.4 | 26.3 | 26.1 |
| 283 | Drugs . . . . . . . . . . . . . . | 78.5 | 76.8 | 79.0 | 79.9 | 80.0 |
| 2834 | Pharmaceutical preperations | 66.9 | 65.5 | 67.3 | 68.1 | 68.3 |
| 284 | Soap, eleaners, and toilet goods | 55.2 | 54.6 | 57.2 | 56.9 | 56.1 |
| 2841 | Soap and other detergents | 9.1 | 9.3 | 9.1 | 9.1 | 8.7 |
| 2844 | Toilet preparations | 32.8 | 32.0 | 34.6 | 34.3 | 34.2 |
| 285 | Paints and allied products | 12.9 | 12.6 | 13.1 | 13. 1 | 13.0 |
| 286 2861,9 | Industrial organic chemicals $\qquad$ <br> Gum, wood, and industrial organic | 24.4 | 23.7 | 24.5 | 24.7 | 24.7 |
|  | chemicals, nec $\qquad$ | 19.5 | 19.1 | 19.4 | 19.5 | 19.6 |
| 287 | Agricultural chemicals . . . . | 9.9 | 9.2 | 9.9 | 10.0 | 10.1 |
| 289 | Miscellaneous chemical producti . . . . . . . . . . . . . . . . . . . . . . . . . . . | 19.3 | 18.7 | 19.5 | 19.6 | 19.7 |

B-3. Women employees on nonagricultural payrolls by induatry-Continued


B-3. Women employees on nonagricultural payrolis by industry - Continued


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

| [In thousands] |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 1972 \\ & \text { sic } \\ & \text { cose } \\ & \hline \end{aligned}$ | Indurtry | $\begin{aligned} & \text { AVG. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1978 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Hov. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ |
|  |  |  | 614.6 |  |  |  |
| 72 | Personal services | 607.8 221.4 | 224.2 | 220.6 | 222.3 | 220.6 |
| 721 | Laundry, cleaning, and garment services Beauty shops . . . . . . . . . . . . | 249.3 | 224.2 252.3 | 248.0 | 247.2 | 248.0 |
| 726 | Funeral service and crematories | 18.9 | 18.2 | 19.1 | 19.0 | 19.2 |
| 73 | business services | 1,213.6 | 1,184.7 | 1,267.1. | 1,263.5 | 1,270.4 |
| 731 | Advertising | 68.3 | 66.2 | 70.3 | 70.7 | 70.6 |
| 732 | Credit repor ting and collection | 56.3 | 58.2 | 55.5 | 54.8 | 54.2 |
| 733 | Mailing, reproduction, stenographic | 52.2 | 52.1 | 54.8 | 55.8 | 55.3 |
| 734 | Services to buildings | 175.4 | 163.5 | 185.6 | 185.7 | 185.8 |
| י36 | Personnel supply services | 286.8 | 286.2 | 304.7 | 297.6 | 309.6 |
| 73 | Computer and data processing services ....................... | 122.0 | 113.2 | 126.6 | 130.5 | 129.9 |
| 75 | AUTO REPAIR, SERVICES, AND GARAGES | 94.4 | 92.4 | 95.0 | 96.4 | 94.5 |
| 753 | Automotive repair shops . . . . . . . . . . . . | 42.6 | 41.2 | 42.6 | 42.6 | 41.2 |
| 73 | miscellaneous repair services | 57.5 | 53.7 | 60.2 | 60.2 | 60.9 |
| 78 | MOTION PICTURES | 80.1 | 78.6 | 78.4 | 78.2 | 78.5 |
| 781 | Motion picture production and services | 22.7 | 24.0 | 23.3 | 24.4 | 25.1 |
| 783 | Motion picture theaters ................................. | 51.5 | 48.7 | 49.1 | 48.0 | 47.6 |
| 79 | amusement and recreation services | 282.3 | 258.0 | 265.8 | 247.8 | 247.3 |
| 80 | HEALTH SERVICES | 4.101 .1 | 3,987.2 | 4.163.2 | 4, 180.3 | 4.193.7 |
| 801 | Offices of physicians | 559.4 | 545.2 | 569.5 | 567.6 | 569.6 |
| 802 | Offices of dentists | 270.6 | 264.3 | 273.6 | 275.3 | 277.4 |
| 805 | Nursing and personal care facilities | 871.8 | 838.8 | 888.1 | 892.9 | 897.7 |
| 806 | Hospitals... | 2,135.0 | 2,084.8 | 2,163.4 | 2,172.1. | 2,175.6 |
| 81 | legal services | 328.5 | 317.0 | 334.3 | 336.8 | 337.9 |
| 82 | educational services | 532.6 | 557.2 | 576.3 | 585.3 | 572.8 |
| 821 | Elementary and secondary schools. | 144.3 | 147.5 | 152.2 | 156.3 | 153.3 |
| 822 | Colleges and universities | 323.6 | 347.2 | 357.4 | 361.4 | 351.8 |
| 83 | SOCIAL SERVICES . | 772.9 | 747.3 | 773.4 | 783.6 | 785.0 |
| 89 | MISCELLANEOUS SERVICES | 287.4 | 271.1 | 292.3 | 296.5 | 299.1 |
| 891 | Engineering and architectural services | 101.5 | 95.7 | 104.7 | 106.5 | 107.5 |
| 893 | Accounting, auditing, and bookkeeping | 128.8 | 121.5 | 129.4 | 130.6 | 131.7 |
|  | GOVERNMENT | 7.331 | 7.379 | 7.486 | 7.676 | 7,672 |
|  | federal government. | 873 | 858 | 871 | 870 | 876 |
|  | state and local government . . . | 6,458 | 6,521 | 6,615 | 6,806 | 6,796 |
|  | State government | 1,535.2 | 1,559.2 | 1,609.8 | 1.640.9 | 1.625.2 |
|  | Hospitals... | 332.8 | 325.7 | 335.4 | 341.3 | 343.6 |
|  | State education . . . . . . . . . . . . . . . . . . . . . . . . . . . . . General adminitration including exacutive, | 627.8 | 667.0 | 703.2 | 725.3 | 707.9 |
|  | legislative, and judicial functions ....... | 384.9 | 4882.4 | 5 382.8 | \% 384.3 | 5. 381.8 |
|  | Local government ...... | 4,923.1 | 4,961.9 | 5,005.1 | 5,165.2 | 5.171.0 |
|  | Transportation and public utilities $\ldots . . . . . . . . . . . . . . . . . . . . . ~$ Hospitals............... | 88.0 | 81.9 | 90.2 | 91.0 | 91.8 |
|  | Hospitals................................................ | 416.5 3.301 .3 | 400.2 3.416 .7 | 4 3.38 .2 3.3 | 432.0 $3,526.1$ | 433.2 3.529 .0 |
|  | General administration including executive, legislative, and judicial functions. | 318.3 | 880.9 | 907.3 | 916.0 | 918.1 |

## ESTABLISHMENTDATA

## SEASONALLY ADJUSTED EMPLOYMENT

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

| Indurtry division and group | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EES. | MAR. | APP. | may | JUNE | JULY | QUG. | SEPT . | oct. | NON. | DEr. | JAN.P | FFR. |
| TOTAL | 88,700 | 89,039 | 89,036 | 89,398 | 89,626 | 89,713 | 85,762 | 89,803 | 89,982 | ec, 100 | 90,241 | 90,590 | 9),731 |
| GOODS-PRODUCING | 26,448 | 26,627 | 26,565 | 26,651 | 26,674 | 26,723 | 2t,59s | 26,593 | 26,572 | 26,533 | 26,655 | 26,778 | 26,771 |
| MINING | 937 | 54. | 94. | 944 | 949 | 956 | 968 | 973 | 979 | 982 | 597 | 1,002 | 2,010 |
| CONSTRUCTION | 4,486 | 4,614 | 4,559 | 4,648. | 4,662 | 4,688 | 4,674 | 4,671 | 4,694 | 4,714 | 4,783 | 4,893 | 4,861 |
| MANUFACTURING | 21,025 | 21,073 | 21,066 | 21, C59 | 21,063 | 21,079 | 20,957 | 20,949 | 20,899 | 20,836 | 20,881 | 20,882 | 20,900 |
| durable goobs | 12,715 | 12,751 | 12,752 | 12,739 | 12,763 | 12,786 | 12,714 | 12,737 | 12,650 | 12,587 | 12, E15 | 12, 200 | 12,659 |
| Lumber and wood products | 768 | 769 | 761 | 762 | 757 | 753 | 752 | 758 | 760 | 751 | 740 | 732 | 727 |
| Furniture and fixtures | 496 | 493 | 490 | 487 | 485 | 488 | 484 | 487 | 482 | 483 | 483 | 484 | 487 |
| Stone, clay, and glass products | 712 | 718 | 714 | 715 | 715 | 711 | 710 | 708 | 709 | 704 | 706 | 707 | 707 |
| Primery metal industries | 1,256 | 1,259 | 1,260 | 1,254 | 1,257 | 1,256 | 1,245 | 1,236 | 1,226 | 1,223 | 1,208 | 1,206 | 1,210 |
| Fabricated metal products | 1,732 | 1,732 | 1,732 | 1,739 | 1.737 | 1,73) | 1,714 | 1,716 | 1,723 | 1,726 | 1,725 | 1,711 | 1,720 |
| Machinery, except electrical | 2,437 | 2,450 | 2,466 | 2,471 | 2,484 | 2,500 | 2,492 | 2,496 | 2,455 | 2.438 | 2,444 | 2,497 | 2,500 |
| Electric and electronic equipment | 2,079 | 2,093 | 2,101 | 2,106 | 2,124 | 2,131 | 2,792 | 2,117 | 2,125 | 2,125 | 2,149 | 2,149 | 2,147 |
| Transportation equipment | 2,094 | 2,094 | 2,084 | 2,077 | 2,057 | 2,073 | 2,079 | 2,086 | 2,025 | 1,904 | 2,019 | 1,959 | 2,016 |
| Instruments and related products | 682 | 685 | 689 | 688 | 693 | 654 | 695 | 692 | 696 | 694 | 698 | 701 | 702 |
| Miscellaneous manufacturing ind. | 458 | 458 | 455 | 449 | 451 | 459 | 451 | 448 | 449 | 449 | 452 | 454 | 450 |
| NONDURABLE GOODS | 8.310 | 8,322 | 8,314 | 8,320 | 8, 303 | 8,293 | 8, 243 | 8,212 | 8,249 | 8,249 | 8,266 | 8,282 | 8,241 |
| Food and kindred products | 1,729 | 1,736 | 1,728 | 1,725 | 1,720 | 1,707 | 1,696 | 1,E9? | 1,707 | 1,710 | 1,725 | 1,706 | : ,709 |
| Tobacco manufactures | 68 | 69 | $6 ¢$ | 70 | 69 | t8 | 64 | 65 | 65 | 60 | 62 | 64 | 65 |
| Textile mill products | 899 | 897 | $89 ?$ | 893 | 892 | 892 | 886 | 884 | 887 | 889 | 893 | 890 | 891 |
| Apparel and other textile products | 1,327 | 1,324 | 1, 325 | 1,324 | 1,312 | 1, 324 | 1,302 | 1,294 | 1,299 | 1.292 | 1,297 | 1,307 | 1,307 |
| Paper and allied products | 711 | 716 | 717 | 714 | 715 | 718 | 717 | 714 | 715 | 714 | 713 | 718 | 717 |
| Printing and publishing | 1,229 | 1,232 | 1,234 | 1,236 | 1,242 | 1,250 | 1,247 | 1,245 | 1,252 | 1,262 | 1, 363 | 1,271 | 1,279 |
| Chemicals and allied products | 1,108 | 1,108 | 1,111 | 1,114 | 1, 119 | 1,116 | 1,111 | 1,110 | 1,113 | 1,114 | 1,119 | 1,122 | 1,120 |
| Petroleum and coal products | 212 | 213 | 213 | 213 | 212 | 212 | 213 | 215 | 217 | 217 | 217 | 219 | 168 |
| Rubber and misc. plastic products | 779 | 780 | 781 | 784 | 775 | 777 | 764 | 751 | 751 | 749 | 745 | 745 | 743 |
| Leather and leather products | 248 | 247 | 244 | 247 | 247 | 229 | 243 | 243 | 243 | 242 | 242 | 240 | 242 |
| SERVICE-PRODUCING | 62, 252 | (2, 412 | 62,471 | E2, 747 | 62.952 | 62,950 | 63,163 | 63,210 | 63,410 | 63,567 | 63,586 | 63,812 | 63,960 |
| TRANSPORTATION AND PUBLIC UTILITIES | 5,054 | 5,116 | 5,024 | 5.130 | 5.190 | 5,169 | 5,194 | 5,180 | 5,218 | 5,229 | 5,223 | 5,206 | 5,198 |
| WHOLESALE AND RETAIL TRADE | 20,016 | 20,054 | 20,088 | 20,129 | 20,116 | 20,122 | 2C,12t | 20,169 | 20,243 | 2C,308 | 20,254 | 20,396 | 20,505 |
| WHOLESALE TRADE RETAIL TRADE | $\begin{array}{r} 5,118 \\ 14,898 \end{array}$ | $\begin{array}{r} 5,134 \\ 14,920 \end{array}$ | $\begin{array}{r} 5,138 \\ 14,950 \end{array}$ | $\begin{array}{r} \Phi, 156 \\ 14,973 \end{array}$ | $\left\|\begin{array}{r} 5,180 \\ 14,936 \end{array}\right\|$ | $\begin{array}{r} 5,1 \varepsilon 2 \\ 14,540 \end{array}$ |  | $\begin{array}{r} 5,190 \\ 14,979 \end{array}$ | $\begin{array}{r} 5,209 \\ 15,034 \end{array}$ | $\begin{array}{r} 5,235 \\ 15,073 \end{array}$ | $\begin{array}{r} 5,218 \\ 15,036 \end{array}$ | $\begin{array}{r} 5,243 \\ 15,153 \end{array}$ | $\begin{array}{r} 5,268 \\ 15,237 \end{array}$ |
| FINANCE, INSURANCE, AND REAL ESTATE | 4,884 | 4,899 | 4,915 | 4,936 | 4,958 | 4,972 | 5,003 | 4,997 | 5,318 | 5,039 | 5,056 | 5,083 | 5,087 |
| SERVICES | 16,763 | 16, 833 | 16,880 | 16, 554 | 17, C51 | 17, Cs2 | 17,141 | 17,191 | 17,257 | 17,298 | 17,357 | 17,415 | 17,474 |
| government | 15,455 | 15, 510 | 15,564 | 1:, 5¢8 | 15,637 | 15,635 | 15,699 | 15,673 | 15,674 | 15, 693 |  | 15,712 | 15.Ese |
| federal | 2,757 | 2,757 | 2,758 | 2,770 | 2,788 | 2,785 | 2,813 | 2,762 | 2,779 | 2,771 | 2,771 | 2,791 | 2,791 |
| STATE AND LOCAL | 12,738 | 12,753 | 12,806 | 12,828 | 12,849 | 12,850 | 12,886 | 12,911 | 12,904 | 12,922 | 12,925 | 12,921 | 12,905 |

$\rho=$ preliminary.

| Industry divieion and group | 1578 | 1975 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | DEC. | JAN. | FEB. | mar. | APR. | may | June | July | AUG. | SEPT. | OC ${ }^{\text { }}$. | NOV. | DEC. |
| TOTAL | 36,074 | 36,271 | 36, 385 | 36,517 | 36,6ES | 36,7Es | $3 t, 516$ | 37,102 | 37,262 | 37,144 | 37,324 | 37,512 | 37,539 |
| GOODSPRODUCING | E, 827 | t, \&t5 | 6, E77 | C, 655 | 6,520 | 6,539 | 6,960 | 6,971 | 6,907 | t, 506 | t, 542 | 6,548 | t,985 |
| MINING | 83 | 84 | 85 | 87 | 87 | 89 | 91 | 52 | 94 | 54 | 94 | 95 | 97 |
| CONSTRUCTION | 345 | 350 | 353 | 357 | $3 \in 2$ | 367 | 314 | 379 | 380 | 383 | 385 | 389 | 393 |
| MANUFACTURING | 6,399 | 6,431 | t.43s | 6,455 | 6,471 | 6,4E3 | t,495 | 6,5c0 | 6,433 | 6,429 | 6,463 | 6,464 | 6,498 |
| DURABLE GOODS | 3,012 | 3,025 | 3,053 | 3,0¢9 | 3,082 | 3,087 | 3,102 | 3,109 | 2,068 | \%,082 | 3, cs4 | 3,092 | 3,11t |
| Lumber and wood products | 112 | 112 | 113 | 114 | 114 | 114 | 113 | 113 | 113 | 114 | 115 | 113 | 112 |
| Furnitures and fixtures ... | 146 | 146 | 146 | 145 | 145 | 144 | 145 | 146 | 145 | 143 | 142 | 142 | 144 |
| Stone, clay, and glass products | 132 | 131 | 132 | 134 | 134 | 134 | 135 | 134 | 133 | 134 | 134 | 134 | 136 |
| Primary metal industries ${ }^{\text {'.. }}$ | 129 | 130 | 131 | 121 | 134 | 134 | 138 | 137 | 135 | 134 | 134 | 133 | 132 |
| Fabricated metal products | 355 | 257 | $2 \in 0$ | $3 \in 1$ | 361 | 362 | 363 | 363 | 360 | 3 Eg | 362 | 363 | 364 |
| Machinery, except electrical | 453 | 456 | 460 | 464 | 465 | 473 | 473 | 479 | 478 | 482 | 482 | 482 | 485 |
| Electric and electronic equipment | 863 | 870 | 877 | 884 | 887 | 892 | 502 | 907 | 888 | 898 | 503 | 904 | 917 |
| Transportation equipment | 318 | 320 | $32 \epsilon$ | 326 | 326 | Ezt | 323 | 321 | 307 | 312 | 314 | 313 | 315 |
| Instruments and related products | 286 | 289 | 291 | 293 | 254 | 295 | 296 | 296 | 296 | 255 | 296 | 295 | 296 |
| Miscelleneous manufecturing ind. . | 218 | 218 | 217 | 217 | 218 | 213 | 214 | 213 | 213 | 211 | 212 | 212 | 215 |
| NONDURABLE GOODS . . | 3,387 | 3,402 | 3,386 | 3,386 | 3,389 | 3,396 | 2. 393 | 3,351 | 3,369 | 2,347 | 2, 369 | 3,372 | 3,382 |
| Food and kindred products | 905 | 512 | 507 | 509 | 508 | 511 | 511 | 502 | 495 | 488 | 501 | 503 | 507 |
| Tobacco manufactures | 26 | 25 | 25 | 25 | $2 \epsilon$ | 2t | 25 | 24 | 23 | 24 | 24 | 21 | 22 |
| Textile mill products | 425 | 425 | 424 | 423 | 422 | 422 | 424 | 422 | 422 | 421 | 421 | 424 | $42 t$ |
| Apperel and other wextile products | 1,081 | 1,087 | 1,07E | 1, 671 | 1, 672 | 1, c72 | 1, 062 | 1,073 | 1,056 | 1,049 | 1,05.3 | 1,048 | 1,052 |
| Papar and alliod productu | 161 | 163 | 163 | 165 | 165 | 164 | 164 | 165 | 164 | 164 | 164 | 163 | 162 |
| Printing and publishing | 470 | 474 | 476 | 477 | 479 | 479 | 482 | 487 | 488 | 491 | 494 | 498 | 500 |
| Chemicals and allied producta | 266 | 268 | 268 | 268 | 269 | 271 | 273 | 274 | 271 | 271 | 273 | 276 | 277 |
| Petroleum and cost products | 28 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 27 | 28 | 28 | 28 | 28 |
| Rubber and mice. plestics products .... | 271 | 271 | 273 | 273 | 272 | 275 | 275 | 279 | 272 | 263 | 264 | 264 | 262 |
| Leather and heather producta ......... | 153 | 152 | 150 | 150 | 149 | 150 | 150 | 138 | 147 | 148 | 147 | 147 | 146 |
| SERVICE-PRODUCING ................. | 29,247 | 29,406 | 29, 308 | 25, 618 | 25,745 | 25, EEO | 25,556 | 20,131 | 30,355 | 3C,238 | 3C,382 | 30,564 | 30,554 |
| transportation and public UTILITIES | 1.179 | 1, 195 | 1,205 | 1,265 | 1,202 | 1,214 | 1,233 | 1,236 | 1,243 | 1,251 | 1,252 | 1,267 | 1,265 |
| Wholesale and retail trade . | 8,423 | E, 526 | 8, 5 E2 |  | E, 627 | 8,673 | 8,670 | 8,684 | 8, 69 E | E, 713 | E,744 | 8,783 | 8,720 |
| Wholesale trade | 1,279 | 1,28t | 1,290 | 1,297 | 1,297 | 1,307 | 1, 310 | 1,217 | 1,317 | 1,318 | 1, 522 | 1,335 | 1,334 |
| RETAIL TRADE | 7,144 | 7,240 | 7, 2 ¢2 | 7,258 | 7,330 | 7,366 | $7,3 \in 0$ | 7,367 | 7,378 | 7,395 | 7,422 | 7,448 | 7,396 |
| FINANCE, INSURANCE, AND REAL ESTATE | 2,802 | 2, 817 | 2,82t | 2,637 | 2,85c | 2,862 | 2,880 | 2,892 | 2,912 | 2,916 | 2,935 | 2,948 | 2,957 |
| services | 9.640 | S, $\in 72$ | ¢,710 | 9,754 | 9,798 | 9.846 | 9,898 | 9,535 | 10, 203 | 10,015 | 10,CE5 | 10,091 | 10,114 |
| GOVERNMENT | 7,203 | 7,196 | 7, 215 | 7,223 | 7, 272 | 7,255 | 7,275 | 7,380 | 7,502 | 7,343 | 7,386 | 7,475 | 7,488 |
| FEDERAL <br> STATE AND LOCAL | $\begin{array}{r} 8 \epsilon \epsilon \\ 6,337 \end{array}$ | $\begin{array}{r} 863 \\ 6,333 \end{array}$ | $\begin{array}{r} 8 \in 2 \\ 6,353 \end{array}$ | $\begin{array}{r} \varepsilon \in 2 \\ 6,361 \end{array}$ | $\begin{array}{r} 261 \\ 6,411 \end{array}$ |  | $\begin{array}{r} \varepsilon 75 \\ 6,400 \end{array}$ | $\begin{array}{r} 874 \\ 6,506 \end{array}$ | $\begin{array}{r} 891 \\ \epsilon, \epsilon 11 \end{array}$ | $\begin{array}{r} 878 \\ \epsilon, 465 \end{array}$ | $\begin{array}{r} 882 \\ 6,504 \end{array}$ | $\begin{array}{r} 880 \\ 6,595 \end{array}$ | $\begin{array}{r} 884 \\ 6,604 \end{array}$ |

and/or irregular components and consequently cannot be separated with sufficient precision.

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


[^10]B-7. Indexes of diffusion: Percent of industries in which employment ${ }^{1}$ increased


1 Number of employees, seasonally adjusted, on payrolis of 172 private nonagricultural industriet.
$\mathrm{p}=$ preliminary.

B-8. Employees on nonagricultural peyrolis for stetes and selected areas by industry division

| 8tren and usa | Toted |  |  | Minlay |  |  | Construction |  |  | Manufacturing |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { JIW6 } \\ & 1979 \end{aligned}$ | $\begin{gathered} \hline \text { DKC } \\ .1979 \end{gathered}$ | $\begin{aligned} & \text { JA180 } \\ & \text { 1980p } \end{aligned}$ | $\begin{aligned} & \hline 3 \times 10 \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Jג1\%. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { J19. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { J2月. } \\ & \text { 19800 } \end{aligned}$ | $\begin{aligned} & \mathrm{JAB} \\ & 1979 \end{aligned}$ | $\begin{array}{l\|} \hline \text { LEC. } \\ 1979 \end{array}$ | $\begin{aligned} & \text { JA\&* } \\ & \text { 1980p } \end{aligned}$ |
| 1 Alabama ${ }^{1}$. | 1,339.8 | 1.378.2 | 1.360.8 | 16. 4 | 17.2 | 17.3 | 69.7 | 73.2 | 67.6 | 373.9 | 372.6 | 371.6 |
| 2 Birmingham! | 352.0 | 363.6 | 359.5 | 9.9 | 10.1 | 10.1 | 20.3 | 21.5 | 20.4 | 70.6 | 69.4 | 69.7 |
| 3 Huntaville !.. | 117.7 | 121.9 | 120.0 | (2) | (2) | (2) | 4.2 | 4.5 | 4.0 | 36.1 | 36.8 | 36.4 |
| 4 Mobile ! | 145.3 | 150. 1 | 148.0 | (2) | (2) | (2) | 10.0 | 11.7 | 11.4 | 30. 1 | 30.2 | 29.9 |
| g Montgomery ${ }^{1}$. | 104.9 | 110.2 | 108.7 | (2) | (2) | 12 | 6.7 | 9.5 | 9.4 | 15.9 | 16.3 | 16.3 |
| e. Turcalona!. | 49.2 | 50.8 | 50.2 | 1.2 | 1.5 | 1.5 | 2.6 | 2.6 | 2.4 | 9.0 | 9.2 | 9.4 |
| 7 ALASKA | 152.7 | (*) | (*) | 5.4 | (*) | (刺 | 7.6 | (*) | (*) | 7.9 | (*) | (*) |
| garizona 1 | (*) | 1.010.7 | 997.2 | (*) | 23.0 | 23.2 | (*) | 80.5 | 78.7 | (*) | 149.3 | 148.9 |
| 8 Phoenix ! . . . . . . . . . . . . . . . . . . . | ( ${ }^{(+)}$ | 634.5 | 627.4 | (*) | - 2 | . 3 | (*) | 52.6 | 51.6 | (*) | 110.4 | 110.2 |
| 10 Tucson '......................... | ( ${ }^{\text {¢ }}$ ) | 183.5 | 180. 2 | (\%) | 7.2 | 7.3 | (+) | 15.7 | 15.4 | (\%) | 19.0 | 19.1 |
| 11 ARKANsas ! | 722.0 | 757. 8 | 745.3 | 4. 5 | 4.8 | 4.9 | 33.3 | 39.2 | 35.3 | 212.9 | 215.2 | 215.1 |
| 12 Fayettevilite-Springdala '. . . . . . . . . . | 61.5 | 6.5 .7 | 64.4 | (2) | (2) | (2) | 2.7 | 3.3 | 3.2 | 18.5 | 19.2 | 18.9 |
| 13 Fort Smith '.. | 65.7 | 67.5 | 66.6 | -8 | -9 | . 9 | 2.5 | 2.8 | 2.7 | 23.4 | 23.2 | 22.8 |
| 14 Litte Rock.North Litte Rock | 176.1 | 182.9 | 180.5 | (2) | (2) | (2) | 8. 3 | 9.2 | 8.2 | 31.7 | 31.4 | 31.3 |
| 15 Fine Blutf 1... | 31.2 | 32.7 | 31.5 | (2) | (2) | (2) | 2.0 | 2.6 | 2.3 | 6. 2 | 6.1 | 6.1 |
| 16 CALIFORNIA ${ }^{1}$ | 9.380.4 | 9,886.9 | 9,726.2 | 37.6 | 40.0 | 39.8 | 417.6 | 473.8 | 446.5 | 1.932.8 | 2.021.0 | 1.992.7 |
| 17 Antheim-Santa Ant-Garden Grove ! . . | 776.0 | 834.4 | 815.1 | 2.2 | 2.3 | 2.2 | 46.2 | 52.0 | 46.5 | 210.5 | 221.2 | 219.1 |
| 18 Bokerstiald ${ }^{1}$... | 121.2 | 129.0 | 127.0 | 10.5 | 10.8 | 10.8 | 6.2 | 6.8 | 6.4 | 9.0 | 9.6 | 9.6 |
| 18 Fremo !..... | 171.6 | 185.2 | 181.1 | . 8 | . 9 | . 9 | 11.1 | 13.3 | 12.6 | 21.7 | 23.2 | 22.5 |
| 20 Los Angoles-Long Beach ${ }^{\text {a }}$. | 3,518.5 | 3,699.8 | 3,653.9 | 11.4 | 12.1 | 12.1 | 111.6 | 122.0 | 116.0 | 911.8 | 944.8 | 935.8 |
| 21 Modento ${ }^{\text {1 }}$. . . . . . . . . . . | 81.8 | 88.4 | 86.8 | -1 | - 1 | - 1 | 5.8 | 7.0 | 6.6 | 16.4 | 18.4 | 17.7 |
| 22 Oxnard-Simi Valley-Ventura ${ }^{1} \ldots \ldots$. | 141.2 | 148.9 | 147.1 | 2.4 | 2.4 | 2.4 | 7.6 | 9.0 | 8. 4 | 22.5 | 24.3 | 24.0 |
| 23 Riversida-San Bernardino-Ontario ... | 421.4 | 444.1 | 413.2 | 2.4 | 2.7 | 2.6 | 26.9 | 30.1 | 29.3 | 66.7 | 67.8 | 67.8 |
| 24 Secramento: | 377. 1 | 402.6 | 397.7 | . 4 | . 4 | . 4 | 20.0 | 24.9 | 22.5 | 25.3 | 26.7 | 26.2 |
| 25 Sallnas-Eeaside-Monteray '. . . . . . . . . | 83.4 | 88.3 | 86,0 | -6 | . 6 | .6 | 3.5 | 3.8 | 3.5 | 8.8 | 9.1 | 8.2 |
| 26 San Dlego ! . . . . . . . . . . . . . . . . . . . | 616.9 | 651.5 | 644.4 | - 7 | .7 | .7 | 39.0 | 40.2 | 38.6 | 97.4 | 104.7 | 104.3 |
| 27 San Franclsco-Oakland ${ }^{1}$. . . . . . . . . . | 1.489.7 | 1.549.7 | 1.525.5 | 2.2 | 2.4 | 2.4 | 67.6 | 74.8 | 71.0 | 200.7 | 204.4 | 199.8 |
| 28 San Jost ! . . . . . . . . . . . . . . . . . . . | 606. 1 | 656.6 | 647.8 | -1 | - 2 | . 2 | 22.4 | 26.4 | 23.6 | 207.5 | 231.9 | 230.0 |
| 28 Santa Berbera-Senta Marla-Lompoc. . , | 144.7 | 121.5 | 119.3 | .1. 1 | 1.2 | 1.2 | 4.9 | 5.4 | 5.1 | 15. 1 | 16.4 | 15.6 |
| 30 Sente Rosa !...... . . . . . . . . . . . | 64.0 | 91.4 | 89.3 | - 4 | .4 | . 4 | 5.2 | 6.3 | 5.6 | 13.4 | 14.5 | 14.3 |
| 31 Stockton . . . . . . . . . . . . . . . . . . . . | 110.9 | 118.4 | 116.1 | - 1 | - 1 | - 1 | 5.4 | 6.6 | 6.0 | 18.8 | 19.6 | 19.1 |
| 32 Vallejo-Farfield-Nept | 93.1 | 98.4 | 97.3 | - 2 | - 3 | . 3 | 4.2 | 5.2 | 4.6 | .9.7 | 10.3 | 10. 1 |
| 3sCOLORADO ! . . . . . . . . . . . . . . . . . . | 1.171.7 | 1.254.9 | 1.237 .0 | 28.4 | 31.8 | 31.8 | 68.2 | 84.2 | 79.3 | 175. 1 | 183. 5 | 182.4 |
| 34 Denver-Boulder ! . . . . . . . . . . . . . . . | 746.6 | 802.5 | 790.7 | 15.0 | 16.8 | 17.0 | 42.5 | 50.2 | 47.3 | 121.1 | 125.9 | 125.1 |
| 3 CONNECTICUT | 1.366.9 | 1.431.5 | 1.402.7 | (3) | (3) | (3) | 43.0 | 50.4 | 44.8 | 432.9 | 436.4 | 436.8 |
| 38 Bridgeport | . 160.8 | 168.8 | 165.9 | (3) | (3) | (3) | 4.9 | 5.9 | 5.3 | 65.5 | 67.0 | 67.1 |
| 37 Hartiord | 373.8 | 396.7 | 390.7 | (3) | $13)$ | (3) | 11.0 | 13.2 | 11.5 | 91.4 | 96.3 | 97.3 |
| 36 Now Britaln | 61.2 | 63.0 | 62.1 | (3) | (3) | (3) | 1.5 | 2.1 | 1.8 | 29.9 | 30. 1 | 30. 1 |
| 38. New Heyen-Weat Heven | 188.5 | 192.6 | 189.8 | (3) | (3) | (3) | 5.2 | 6.2 | 4.6 | 45.9 | 43.7 | 43.4 |
| 40 Stamford | 103. 2 | 110.0 | 107.4 | (3) | (3) | (3) | 4.4 | 5.0 | 4.5 | 30.2 | 31.3 | 31.5 |
| 41 Weterbury | 86. 7 | 89.2 | 87.6 | (3) | (3) | (3) | 2.7 | 3.5 | 2.9 | 32.9 | 32.5 | 32. 1 |
| 42 DELAWARE ${ }^{1}$. | 247.6 | 261.6 | 253.2 | (2) | (2) | (2) | 13.2 | 15.9 | 14.8 | 69.4 | 71.0 | 67.2 |
| 43 Wilmington | 221.4 | 228.6 | 220.5 | (2) | (2) | (2) | 14.1 | 15.3 | 14.3 | 64.4 | 64.6 | 60.8 |
| 44 DISTRICT OF COLUMBIA ${ }^{1}$ | $\left({ }^{+1}\right.$ | 624. 1 | 611.0 | (*) | (2) | (2) | (*) | 14.6 | 13.8 | . ( ${ }_{\text {+ }}$ ) | 15.7 | 15.4 |
| 45 Warhington SMSA ! | (+) | 1.528.2 | 1.501.8 | (*) | (2) | (2) | (*) | 78.4 | 73.8 | (*) | 54.9 | 54.2 |
| 46 Florida ${ }^{\text {a }}$ | 3, 307. 9 | 3.511.2 | 3,508.6 | 9.8 | 10.1 | 10.0 | 223.1 | 266.2 | 264.1 | 432.8 | 450.0 | 450.5 |
| 47 Daytona Beach. ! | 71.7 | 74.1 | 73.5 | (2) | (2) | (2) | 4.2 | 5.0 | 4.7 | 7.7 | 8.1 | 8. 1 |
| 48 Fort Leuderdale-Hollywood | 323.2 | 333.0 | 334.3 | (2) | (2) | (2) | 25.7 | 29.6 | 30.0 | 38.6 | 41.3 | 41.2 |
| 40 Gainesvilla ${ }^{1}$ | 63.2 | 65.0 | 64.4 | (2) | (2) | (2) | 3. 1 | 3.9 | 3.7 | 3.9 | 3.7 | 3.8 |
| 80 Jecksonwille | 282.4 | 288. 5 | 286.0 | (2) | (2) | (2) | 15. 3 | 15.7 | 15.9 | 33.6 | 34.3 | 34.1 |
| 51 Miami.! | 680.3 | 724.6 | 728.0 | (2) | (2) | (2) | 32.6 | 42.9 | 42.4 | 98.2 | 103.3 | 103. 1 |
| 52 Orlando ! | 263.1 | 282.6 | 280.6 | (2) | (2) | (2) | 16.4 | 21.3 | 20.3 | 34.4 | 36.3 | 36.4 |
| Ex Pansecola ! | 93.3 | 96.4 | 95.2 | (2) | (2) | (2) | 6.2 | 6.8 | 6.7 | 13.2 | 12.8 | 12.8 |
| 54 Sarasota ${ }^{1} .$. | 67.8 | 70.0 | 70.9 | (2) | (2) | (2) | 7.5 | 7.4 | 7.6 | 6.1 | 6.2 | 6.3 |
| 56 Tallahasser . . . . . . . . | 68.6 | 72.7 | 72.0 | (2) | (2) | (2) | 3.3 | 3.2 | 3.3 | 2.5 | 2.4 | 2.3 |
| 56 Tampent. Petersburg '............ | 510.0 | 529.0 | 526.9 | (2) | (2) | (2) | 35.0 | 36.7 | 35.7 | 70.6 | 73.9 | 73.5 |
| 67 West Paim Beach-Bocs Raton. ${ }^{\text {a }}$ | 190.4 | 205. 2 | 204.9 | (2) | (2) | (2) | 17.2 | 19.7 | 19.5 | 25.2 | 27.9 | 28. 1 |
| EsGEORGIA ! | 2,075.7 | 2. 147.3 | 2. 121.8 | 7.5 | 7.8 | 7.5 | 95.5 | 98.1 | 96.8 | 520.8 | 526.9 | 522.5 |
| 56 Albany ${ }^{1}$. . . . . . . . . . . . . . . . . . . . | 43.3 | 45.3 | 45.2 | (2) | (2) | (2) | 4.3 | 3.3 | 3.3 | 10.1 | 11.4 | 11.4 |
| 60 Atianta ${ }^{1}$, | 907.9 | 948.5 | 933.4 | (2) | (2) | (2) | 38.0 | 39.7 | 39.4 | 139.1 | 142.1 | 139.6 |
| 61 Augusti ! | 119.5 | 122.9 | 122.4 | (2) | (2) | (2) | 6.3 | 6.5 | 6.3 | 36.0 | 36.5 | 36.5 |
| 62. Columbus | 81.4 | 83.5 | 82.6 | (2) | (2) | (2) | 4.1 | 3.7 | 3.7 | 21.4 | 21.7 | 21.5 |
| 03 Macon! | 95.0 | 96.2 | 95.4 | (2) | (2) | (2) | 4.3 | 4.2 | 4.3 | 15.5 | 16.2 | 16.1 |

## Siep footnotes at end of tabla.

| Transportation and public utilities |  |  | Whotreste and retail trate |  |  | Fintince, inaurames, and real entute |  |  | Sorrions |  |  | Gowernment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { JAN: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC: } \\ & 1979 \end{aligned}$ | $\begin{array}{l\|l\|} \hline \text { JAN. } \\ 1980 \mathrm{P} \end{array}$ | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { J111. } \\ & \text { 1980P } \end{aligned}$ | $\begin{aligned} & \text { JAII:- } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Jan. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { Ja!. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DBC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DBC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ |  |
| 70.4 | 72.6 | 72.2 | 271.3 | 285.7 | 277.9 | 57.1 | 58.0 | 57.9 | 191.7 | 201.2 | 200.1 | 289.3 | 297.7 | 296.2 | 1 |
| 28.1 | 28.8 | 28.6 | 84.5 | 90.0 | 86.8 | 22.2 | 22.9 | 22.8 | 62.2 | 65.0 | 65.3 | 54.2 | 55.9 | 55.8 | 2 |
| 2.7 | 2.8 | 2.7 | 21.6 | 23.1 | 22.3 | 3.3 | 3.4 | 3.4 | 16.2 | 17.0 | 17.0 | 33.6 | 34.3 | 34.2 | 3 |
| 10.6 | 11.0 | 10.7 | 35.7 | 38.0 | 37.0 | 6.9 | 7.1 | 7.1 | 26.7 | 26.8 | 26. 4 | 25.3 | 25.3 | 25.5 | 1 |
| 4.5 | 4.8 | 4.7 | 24.3 | 24.7 | 23.8 | 6.0 | 6.1 | 6.0 | 18.7 | 19.8 | 19.5 | 28.8 | 29.0 | 29.0 | 5 |
| 1.9 | 1.8 | 1.8 | 9.8 | 10.2 | 9.8 | 1.6 | 1.7 | 1.7 | 5.9 | 5.9 | 6.2 | 17.2 | 17.9 | 17.4 | 6 |
| 15.1 | (*) | (*) | 27.3 | (*) | (*) | 7.5 | (*) | (*) | 26.1 | (*) | (*) | 55.8 | (*) | (*) | 7 |
| (*) | 50.1 | 49.8 | (*) | 250.6 | 245.7 | (*) | 56.4 | 56.5 | (*) | 194.7 | 195.6 | (*) | 206.1 | 198.8 | 8 |
| (*) | 29.9 | 29.6 | (*) | 166.8 | 163.9 | (*) | 4.3. 1 | 43.2 | (*) | 126.7 | 127.3 | (*) | 104.8 | 101.3 | 9 |
| (*) | 8.9 | 8.9 | (*) | 42.5 | 41.3 | (*) | 8.3 | 8.4 | (*) | 37.0 | 37.0 | (*) | 44.9 | 42.8 | 10 |
| 41.8 | 44.6 | 43.3 | 156.4 | 166.3 | 159.7 | 29.9 | 31.3 | 31.1 | 103.8 | 111.4 | 111.1 | 139.4 | 145.0 | 144.8 | 11 |
| 3. 2 | 3.8 | 3. 9 | 14.9 | 16.5 | 15.8 | 2.0 | 2.3 | 2.1 | 8.0 | 8.5 | 8.4 | 12.2 | 12.1 | 12.0 | 12 |
| 3.5 | 3.7 | 3.7 | 14.0 | 14.9 | 14.4 | 2.3 | 2.6 | 2.5 | 10.9 | 11.0 | 11.1 | 8.3 | 8.4 | 8.6 | 13 |
| 13.6 | 14.4 | 14. 2 | 41.0 | 43.0 | 41.8 | 12.1 | 12.4 | 12.3 | 32.3 | 33.9 | 33.9 | 37.1 | 38.6 | 38.8 | 14 |
| 3.8 | 4.2 | 4.1 | 6.4 | 6.7 | 5.9 | 1.3 | 1.3 | 1.3 | 4.7 | 5.0 | 5.0 | 6.8 | 6.8 | 6.8 | 15 |
| 517.8 | 544.8 | 538.4 | 2,183.9 | 2,326.7 | 2.245. 5 | 575.2 | 604. 4 | 603.9 | 1.989.8 | 2. 114.7 | 2,099.9 | 1,725.7 | 1.761.5 | 1.759 .5 | 16 |
| 24.7 | 26.7 | 26. 5 | 187.5 | 205.3 | 197.3 | 50.1 | 54.3 | 54.6 | 153.7 | 166.2 | 163.8 | 101.1 | 106.4 | 105.1 | 17 |
| 7.4 | 7.9 | 7.8 | 31.8 | 34.6 | 33.5 | 4.5 | 4.6 | 4.5 | 21.3 | 22.5 | 22.5 | 30.5 | 32.2 | 31.9 | 18 |
| 9.9 | 10.8 | 10.5 | 45.0 | 49.4 | 47.2 | 10.3 | 11.0 | 11.1 | 33.5 | 35.9 | 35,9 | 39.3 | 40.7 | 40.4 | 19 |
| 195.4 | 204.0 | 204.7 | 808.5 | 856.6 | 829.7 | 217.7 | 227.3 | 225.5 | 780.8 | 829.4 | 827.1 | 481.3 | 503.6 | 503.0 | 20 |
| 3.8 | 3.8 | 3.7 | 20.8 | 23.8 | 22.7 | 3.2 | 3.4 | 3.5 | 15.4 | 16.3 | 16.3 | 16.3 | 15.6 | 16.2 | 21 |
| 5.7 | 6.1 | 6.1 | 33.5 | 35.1 | 34.3 | 6.7 | 6.9 | 6.9 | 27.2 | 29.1 | 29.0 | 35.6 | 36.0 | 36.0 | 22 |
| 22.8 | 24.1 | 24.0 | 102.0 | 109.1 | 79.6 | 18.0 | 19.2 | 19.2 | 86.7 | 90.5 | 90.3 | 95.9 | 100.6 | 100.4 | 23 |
| 20.6 | 21.9 | 21.5 | 89.2 | 99.4 | 96.7 | 19.9 | 21.1 | 21.3 | 68.0 | 72.3 | 73.1 | 133.7 | 135.9 | 136.0 | 24 |
| 4.4 | 4.8 | 4.6 | 21.5 | 23.5 | 22.3 | 4.1 | 4.4 | 4.4 | 18.3 | 19.1 | 19.0 | 22.2 | 23.0 | 23.4 | 25 |
| 26. 5 | 28.0 | 27.9 | 142.2 | 152.1 | 148.0 | 35.3 | 38.2 | 38.3 | 135.6 | 145.9 | 144.9 | 139.8 | 141.7 | 141.7 | 26 |
| 124.3 | 128.3 | 127.2 | 348.9 | 365.6 | 355.8 | 136.4 | 14.3.0 | 143.2 | 321.0 | 340.5 | 336.0 | 288.6 | 290.7 | 290.1 | 27 |
| 20.1 | 21.4 | 21.0 | 116.5 | 128.0 | 123.6 | 24.8 | 26.4 | 26.6 | 134.1 | 142.6 | 142.8 | 80.6 | 79.7 | 79.8 | 28 |
| 4.4 | 4.8 | 4.7 | 29.7 | 31.8 | 31.1 | 5.2 | 5.5 | 5.4 | 30.6 | 32.7 | 32.5 | 23.7 | 23.7 | 23.7 | 29 |
| 3.9 | 4.5 | 4.5 | 20.7 | 22.7 | 22.1 | 5.2 | 5.6 | 5.6 | 16.5 | 17.5 | 17.3 | 18.7 | 19.9 | 19.5 | 30 |
| 7.6 | 8.9 | 8.4 | 25.3 | 27.9 | 26.7 | 4.8 | 5.0 | 5.0 | 21.9 | 23.5 | 23.7 | 27.0 | 26.8 | 27.1 | 31 |
| 4.2 | 4.6 | 4.5 | 19.9 | 21.2 | 20.9 | 3.1 | 3.4 | 3.4 | 17.5 | 18.0 | 18.3 | 34.3 | 35.4 | 35.2 | 32 |
| 73.0 | 77.9 | 77.0 | 289.6 | 310.0 | 301.7 | 71.4 | 76.7 | 77.1 | 232.1 | 249.8 | 250.1 | 234.0 | 241.0 | 237.6 | 33 |
| 51.6 | 55.6 | 55.1 | 182.5 | 197.2 | 192.0 | 50.5 | 55.5 | 55.7 | 151.9 | 164.8 | 164.6 | 131.4 | 136.4 | 134.0 | 34 |
| 58.3 | 52.0 | 61.0 | 286.9 | 313.7 | 299.1 | 97.0 | 100.9 | 100.5 | 262.7 | 278.7 | 274.6 | 186.2 | 189.5 | 185.9 | 35 |
| 6.0 | 6.3 | 6.2 | 32.5 | 34.9 | 32.9 | 6.6 | 6.8 | 6.8 | 28.7 | 31.7 | 31.4 | 16.8 | 16.2 | 16.3 | 36 |
| 14.8 | 15.4 | 15.2 | 78.9 | 84.8 | 81.4 | 53.2 | 57.7 | 57.9 | 71.1 | 75.6 | 74.5 | 53.4 | 53.6 | 52.9 | 37 |
| 1.5 | 1.5 | 1. 4 | 10.1 | 10.8 | 10.3 | 1.6 | 1.7 | 1.7 | 9.5 | 9.8 | 9.9 | 7.0 | 7.0 | 6.9 | 38 |
| 15.3 | 15.6 | 15.2 | 39.9 | 42.1 | 40.4 | 10.5 | 10.5 | 10.8 | 45.0 | 47.5 | 48.6 | 26.8 | 26.9 | 26.8 | 39 |
| 3.6 | 3.9 | 3.8 | 24.1 | 25.9 | 24.4 | 7.2 | 7.5 | 7.5 | 24.0 | 25.9 | 25.5 | 9.9 | 10.4 | 10.3 | 40 |
| 3.1 | 3.1 | 3.0 | 15.6 | 16.4 | 16.0 | 3.1 | 3.3 | 3.2 | 18.0 | 19.1 | 19.5 | 11.4 | 11.4 | 10.8 | 41 |
| 12.3 | 12.9 | 12.7 | 54.4 | 58.2 | 56.6 | 11.4 | 11.9 | 11.8 | 43.4 | 46.2 | 45.8 | 43.5 | 45.8 | 44.3 | 42 |
| 11.9 | 12.2 | 12.2 | 46.1 | 47.1 | 45.8 | 10.6 | 10.8 | 10.8 | 38.4 | 40.6 | 40.1 | 36.0 | 37.9 | 36.5 | 43 |
| (*) | 26.1 | 25.6 | (*) | 67.1 | 64.3 | (*) | 34.7 | 33.9 | (*) | 179.3 | 176.4 | (*) | 286.6 | 281.6 | 44 |
| (*) | 67.0 | 66.7 | (*) | 294.9 | 283.4 | (*) | 89, 2 | 88.1 | (*) | 399.3 | 395.8 | (*) | 544.5 | 539.8 | 45 |
| 201.1 | 220.9 | 218.5 | 881.4 | 942.6 | 944.9 | 226.2 | 239.1 | 239.0 | 729.1 | 763.9 | 771.0 | 604.4 | 618.4 | 610.6 | 46 |
| 2.9 | 3.2 | 3.2 | 20.4 | 20.5 | 20.2 | 4.1 | 4.3 | 4.2 | 18.9 | 19.3 | 19.4 | 13.5 | 13.7 | 13.7 | 47 |
| 15.6 | 16.6 | 16.5 | 97.0 | 95.1 | 94.5 | 25.7 | 27.0. | 27.4 | 76.9 | 79.7 | 80.6 | 43.7 | 43.7 | 44.1 | 48 |
| 1.5 | 1.7 | 1.8 | 14.0 | 14.6 | 14.2 | 2.6 | 2.7 | 2.7 | 10.1 | 10.7 | 10.5 | 28.0 | 27.7 | 27.7 | 49 |
| 23.1 | 24.2 | 23.6 | 74.0 | 74.9 | 73.6 | 27.3 | 27.4 | 27.3 | 55.6 | 58.1 | 58.1 | 53.5 | 53.9 | 53.4 | 50 |
| 65.3 | 71.5 | 73.1 | 178.6 | 188.2 | 187.9 | 48.0 | 50.5 | 50.8 | 166.5 | 175.9 | 176.9 | 91.1 | 92.3 | 93.8 | 51 |
| 13.0 | 14.5 | 14.6 | 73.1 | 75.0 | 73.6 | 17.0 | 18.1 | 18.2 | 67.2 | 72.2 | 72.1 | 42.0 | 45.2 | 45.4 | 52 |
| 4.6 | 5.4 | 5.1 | 22.0 | 22.4 | 22.0 | 4.2 | 4.5 | 4.4 | 17.9 | 19.2 | 19.2 | 25.2 | 25.3 | 25.0 | 53 |
| 2.7 | 2.8 | 2.8 | 20.2 | 21.0 | 21.3 | 5.4 | 5.5 | 5.6 | 16.2 | 17.1 | 17.3 | 9.7 | 10.0 | 10.0 | 54 |
| 2.3 | 2.4 | 2.4 | 13.8 | 15.8 | 15.6 | 3.0 | 3.0 | 3.0 | 9.7 | 12.1 | 12. 1 | 34.0 | 33.8 | 33.3 | 55 |
| 28.7 | 29.5 | 29.3 | 143.3 | 146.3 | 145.3 | 34.9 | 36.9 | 37.1 | 119.0 | 124.1 | 125.0 | 78.5 | 81.6 | 81.0 | 56 |
| 7.9 | 8.5 | 8.5 | 49.8 | 53.5 | 52.9 | 15.3 | 16.2 | 16.4 | 46.2 | 49.4 | 49.7 | 28.8 | 30.0 | 29.8 | 57 |
| 132.5 | 137.8 | 136.1 | 482.1 | 515.8 | 499.7 | 104.8 | 108.4 | 107.7 | 314.7 | 332.7 | 331.7 | 417.8 | 419.9 | 419.6 | 58 |
| 1.9 | 2.1 | 2.1 | 9.6 | 10.0 | 9.8 | 1.9 | 2.0 | 2.0 | 5.9 | 6.4 | 6.4 | 9.6 | 10.1 | 10.1 | 59 |
| 80.8 | 86.0 | 85.4 | 253.1 | 269.3 | 259.7 | 61.9 | 64.1 | 63.4 | 179.2 | 190.1 | 188.0 | 155.8 | 157.4 | 158.1 | 60 |
| 4.2 | 4.4 | 4.4 | 23.0 | 24.0 | 23.8 | 4.5 | 4.6 | 4.6 | 15.5 | 16.0 | 15.9 | 29.9 | 30.8 | 30.9 | 61 |
| 3.4 | 3.5 | 3.4 | 17.5 | 17.3 | 16.8 | 5.1 | 5.2 | 5.2 | 10.8 | 11.5 | 11.5 | 19.0 | 20.5 | 120.4 | 62 |
| 4.7 | 4.8 | 4.7 | 20.2 | 20.8 | 20.4 | 5,7 | 5.7 | 5.6 | 15.6 | 16.0 | 15.9 | 29.0 | 28.4 | 28.4 |  |

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


| Trantiportation and public utilltios |  |  | Whoteside and retail trede |  |  | Finence, insurance, and real estrete |  |  | Sorrices |  |  | Cosmment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { JAAR } \\ & \text { 1979 } \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN- } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAB* } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DBC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAM. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { dAB. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JA18. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DRC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN: } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{~F} \end{aligned}$ |  |
| 8.9 | 9.0 | 8.6 | 19.5 | 20.2 | 19.7 | 4.0 | 4.1 | 4.1 | 14.6 | 15.3 | 15.1 | 16.2 | 15.7 | 16.1 | 1 |
| 29.0 | 31.0 | 30.9 | 101.9 | 108.3 | 107.4 | 29.4 | 30.9 | 30.8 | 94.6 | 104.1 | 104.4 | 82.5 | 87.1 | 96.2 | 2 |
| 23.9 | 25.8 | 25.6 | 85.0 | 91.0 | 90.0 | 25.5 | 26.7 | 26.7 | 76.3 | 84.7 | 85.4 | 69.4 | 74.4 | 73.4 | 3 |
| 19.8 | 19.9 | 19.9 | 82.3 | 86.3 | 83.5 | 22.5 | 22.7 | 22.8 | 57.4 | 59.5 | 58.3 | 67.5 | 71.3 | 69.4 | 4 |
| 5.0 | 5.3 | (*) | 21.2 | 21.0 | (*) | 8.9 | 9.0 | (*) | 13.7 | 14.0 | (*) | 16.2 | 16.9 | (*) | 5 |
| 282.3 | 400.1 | (*) | 1,084.4 | 1,135.5 | (*) | 280.8 | 308.6 | (*) | 864.3 | 912.2 | (*) | 722.8 | 795.5 | (*) | 6 |
| 2.9 | 3.3 | (*) | 10.8 | 11.3 | (*) | 7.6 | 7.4 | (*) | 7.7 | 8.4 | (*) | 10.3 | 11.6 | (*) | 7 |
| 2.4 | 2.4 | (*) | 16.9 | 18.4 | (*) | 2.2 | 2.3 | (*) | 9.7 | 9.6 | (*) | 28.0 | 31.1 | (*) | 8 |
| 212.7 | 216.4 | (*) | 755.3 | 783.4 | (*) | 217.0 | 222.2 | (*) | 654.7 | 676.4 | (*) | 482.9 | 518.5 | (*) | ${ }^{9}$ |
| 194.3 | 204.2 | (*) | 740.1 | 750.4 | (*) | 214.5 | 229.2 | (*) | 621.5 | 659.8 | (*) | 433.1 | 456.7 | (*) | 10 |
| 8.0 | 8.6 | (*) | 39.4 | 44.6 | (*) | 7.0 | 7.0 | (*) | 24.6 | 26.0 | (*) | 27.0 | 26.0 | (*) | 11 |
| 4.9 | 5.2 | (*) | 10.8 | 11.8 | (*) | 2.6 | 3.1 | (*) | 8.2 | 8.4 | (*) | 4.7 | 4.9 | (*) | 12 |
| 1.4 7.8 | 1.8 8.9 | (*) | $\begin{array}{r}7.6 \\ 35.4 \\ \hline\end{array}$ | 8.6 40.0 | (*) | 1.1 6.9 | 1.1 7.3 | (*) | 6.3 24.3 | 6.2 28.3 | (*) | 7.2 16.9 | 8.1 17.5 | (*) | 13 14 |
| 7.8 5.2 | 8.9 5.2 | (*) | 35.4 24.2 | 40.0 25.3 | (*) | 6.9 4.0 | 7.3 4.3 | (*) | 24.3 15.9 | 28.3 17.2 | (*) | 16.9 11.9 | 17.5 | (*) | 14 |
| 5.4 | 5.2 | (*) | 18.6 | 21.4 | (*) | 6.7 | 6.3 | (*) | 15.5 | 17.7 | (*) | 27.7 | 29.4 | (*) | 16 |
| 109.1 | 110.5 | 108.6 | 488.5 | 512.6 | 489.9 | 99.2 | 102.1 | 102.2 | 317.2 | 338.1 | 333.1 | 345.7 | 362.1 | 353.6 | 17 |
| 1.5 | 1.6 | 1.5 | 10.6 | 10.8 | 10.3 | 1.7 | 1.7 | 1.7 | 6.9 | 7.1 | 6.8 | 5.6 | 5.9 | 5.8 | 18 |
| 6.7 | 6.8 | 6.8 | 31.4 | 33.5 | 32.0 | 4.4 | 4.5 | 4.5 | 23.7 | 24.3 | 24.0 | 12.5 | 12.7 | 12.5 | 19 |
| 11.3 | 11.3 | 11.4 | 44.2 | 46.0 | 44-4 | 10.2 | 10.6 | 10.5 | 27.9 | 28.9 | 28.5 | 18.0 | 18.0 | 18.0 | 20 |
| 15.2 | 15.7 | 15.6 | 52.6 | 56.3 | 55.1 | 9.5 | 9.7 | 9.6 | 33.3 | 35.2 | 34.7 | 30.9 | 32.4 | 32.0 | 21 |
| 31.1 | 32.8 | 32.3 | 130.5 | 140.9 | 136.1 | 36.7 | 38.2 | 38.3 | 84.6 | 90.6 | 89.7 | 87.0 | 88.6 | 88.5 | 22 |
| 1.6 | 1.6 | 1.6 | 11.8 | 12.4 | 11.7 | 2.8 | 2.6 | 2.5 | 8.7 | 9.2 | 9.1 | 18.3 | 19.6 | 16.1 | ${ }^{23}$ |
| 2.1 | 2.1 | 2.0 | 11.9 | 12.6 | 12.0 | 1.5 | 1.6 | 1.6 | 7.4 | 7.9 | 7.8 | 10.8 | 11.3 | 11.0 | 24 |
| 5.3 | 5.3 | 5.3 | 28.6 | 29.7 | 29.3 | 5.3 | 5.4 | 5.4 | 23.1 | 24.5 | 24.3 | 12.6 | 13.0 | 12.8 | 25 |
| 4.1 | 4.1 | 4.0 | 17.0 | 17.3 | 16.6 | 2.1 | 2.2 | 2.2 | 9.3 | 9.8 | 9.5 | 11.8 | 12.9 | 12.3 | 26 |
| 56.9 | 58.4 | 57.6 | 277.6 | 295.1 | 283.3 | 55.4 | 58.0 | 57.7 | 197.6 | 204.7 | 203.7 | 206.7 | 209.1 | 205.5 | 27 |
| 4.0 | 4.1 | 4.0 | 18.2 | 20.4 | 19.9 | 4.2 | 4.5 | 4.5 | 14.8 | 15.5 | 15.4 | 9.4 | 9.7 | 9.6 | 28 |
| 11.4 | 12.1 | 12.1 | 48.4 | 50.6 | 49.5 | 20.1 | 20.1 | 20.0 | 37.3 | 38.5 | 38.2 | 28.5 | 28.9 | 28.7 | 29 |
| 1.7 | 1.7 | 1.7 | 9.0 | 9.4 | 9.1 | 1.3 | 1.2 | 1.2 | 10.1 | 10.1 | 10.3 | 4.1 | 4.3 | 4.2 | 30 |
| 4.3 | 4.1 | 4.1 | 13.1 | 13.5 | 13.3 | 2.8 | 2.9 | 2.9 | 10.9 | 11.4 | 11.2 | 6.8 | 6.7 | 6.7 | 31 |
| 2.7 | 2.8 | 2.8 | 13.9 | 14.2 | 13.7 | 2.0 | 2.1 | 2.1 | 10.5 | 11.1 | 11.0 | 10.8 | 11.3 | 11.1 | 32 |
| 63.4 | 66.0 | 64.8 | 219.6 | 234.9 | 226.2 | 44.6 | 46.4 | 46.2 | 158.0 | 168.0 | 167.0 | 182.0 | 184.3 | 180.8 | 33 |
| 1.4 | 1.4 | 1.5 | 5.5 | 5.7 | 5.6 | . 8 | . 9 | . 9 | 3.4 | 3.6 | 3.5 | 10.3 | 11.2 | 11.8 | 34 |
| 7.3 | 7.5 | 7.4 | 18.8 | 19.8 | 19.1 | 5.8 | 6.1 | 6.0 | 16.1 | 17.0 | 16.9 | 21.5 | 22.2 | 21.9 | 35 |
| 9.9 | 10.9 | 11.0 | 43.5 | 45.8 | 44.9 | 8.9 | 9.1 | 9.2 | 36.6 | 38.5 | 38.4 | 23.6 | 24.6 | 24.4 | 36 |
| 68.3 | 70.4 | 69.8 | 264.6 | 278.8 | 270.8 | 49.2 | 50.7 | 50.4 | 195.0 | 208.3 | 204.8 | 227.3 | 235.8 | 235.8 | 37 |
| 7.0 | 7.8 | 7.6 | 32.6 | 36.0 | 34.2 | 7.0 | 7.2 | 7.2 | 26.9 | 27.5 | 28.1 | 32.2 | 34.9 | 32.8 | 38 |
| 24.6 | 25.2 | 24.7 | 89.5 | 92.4 | 87.0 | 22.1 | 22.9 | 22.9 | 71.9 | 76.6 | 74.8 | 58.9 | 61.2 | 61.6 | 39 |
| 2.2 | 2.4 | 2.3 | 7.3 | 7.3 | 6.6 | 1.2 | 1.2 | 1.2 | 5.3 | 5.5 | 5.6 | 4.6 | 4.7 | 4.7 | 40 |
| 113.8 | 116.2 | 115.0 | 350.7 | 366.4 | 360.8 | 72.0 | 74.5 | 74.3 | 247.7 | 251.4 | 252.0 | 285.6 | 299.7 | 298.7 | 41 |
| 2.5 | 2.5 | 2.5 | 11.2 | 11.6 | 10.8 | 2.7 | 2.9 | 2.8 | 10.0 | 10.4 | 10.2 | 15.2 | 15.2 | 15.3 | 42 |
| 9.7 | 10.3 | 10.1 | 42.2 | 45.5 | 43.8 | 10.8 | 11.1 | 11.0 | 30.1 | 30.2 | 30.2 | 45.6 | 46.7 | 47.2 | 43 |
| 4.8 | 5.1 | 5.1 | 18.5 | 20.3 | 20.1 | 2.2 | 2.4 | 2.4 | 13.7 | 13.9 | 13.9 | 9.6 | 10.0 | 10.1 | 44 |
| 3.4 | 3.8 | 3.8 | 13.8 | 14.6 | 14.3 | 2.5 | 2.6 | 2.6 | 9.1 | 9.2 | 9.2 | 10.5 | 11.4 | 11.3 | 45 |
| 2.5 | 2.5 | 2.5 | 13.2 | 13.8 | 13.2 | 3.5 | 3.6 | 3.6 | 7.5 | 7.9 | 7.9 | 10.0 | 9.9 | 10.0 | 16 |
| 48.2 | 50.2 | 50.1 | 123.9 | 127.1 | 125.1 | 29.0 | 30.3 | 30.3 | 104.1 | 105.5 | 105.1 | 81.2 | 83.6 | 83.4 | 47 |
| 9.8 | 10.8 | 10.8 | 34.2 | 36.1 | 35.0 | 6.9 | 7.2 | 7.2 | 24.4 | 25.5 | 25.0 | 23.9 | 24.4 | 24.5 | 48 |
| 17.7 | 18.8 | 18.6 | 85.3 | 90.8 | 86.5 | 15.8 | 16.4 | 16.4 | 69.5 | 73.9 | 72.6 | 80.9 | 85.3 | 82.0 | 49 |
| 1.1 | 1.1 | 1.1 | 7.8 | 8.8 | 8.3 | 1.5 | 1.6 | 1.6 | 7.1 | 7.6 | 7.7 | 3.4 | 3.4 | 3.3 | 50 |
| 5.1 | 5.4 | 5.4 | 23.7 | 26.0 | 25.8 | 6.8 | 7.2 | 7.3 | 17.4 | 18.6 | 18.4 | 12.7 | 13.2 | 12.6 | 51 |
| 85.2 | 88.8 | 87.6 | 376.8 | 396.9 | 378.7 | 85.9 | 90.5 | 88.9 | 319.1 | 335.4 | 331.5 | 374.0 | 383.4 | 377.0 | 52 |
| 59.9. | 63.3 | 62.3 | 193.3 | 201.7 | 193.0 | 52.4 | 54.5 | 54.0 | 171.2 | 178.2 | 175.4 | 192.6 | 193.5 | 192.2 | 53 |
| 115.6 | 118.6 | 116. 3 | 560.6 | 593.0 | 569.6 | 150.2 | 152.7 | 154.8 | 567.0 | 599.8 | 597.4 | 397.8 | 411.1 | 397.7 | 54 |
| 69.0 | 72.6 | (*) | 305.3 | 321.8 | (*) | 103.0 | 106.6 | (*) | 376.0 | 394.5 | (*) | 203.3 | 209.6 | (*) | 55 |
| 4.2 | 4.5 | 4.4 | 15.1 | 15.5 | 15.0 | 2.2 | 2.2 | 2.2 | 8.8 | 9.9 | 9.7 | 11.2 | 11.9 | 11.5 | 56 |
| 2.0 | 2.0 | (*) | 12.2 | 12.9 | (*) | 2.6 | 2.6 | (*) | 9.1 | 9.7 | (*) | 7.7 | 7.9 | (*) | 57 |
| 4.0 | 4.5 | 4.5 | 22.0 | 23.3 | 22.3 | 3.7 | 3.9 | 3.9 | 14.9 | 16.6 | 16.0 | 17.1 | 17.3 | 17.2 | 58 |
| 3.5 | 3. 9 | (*) | 15.6 | 16.2 | ${ }^{(*)}$ | 2.2 | 2.2 | (*) | 11.1 | 11.7 | (*) | 12.6 | 13.2 | (*) | 59 60 |
| 2.5 9.6 | 2.5 | 2.4 | 11.8 | 12.7 52.5 | 12.2 50.3 | 1.9 12.7 | 2.0 13.1 | 2.0 13.1 | 8.5 44.3 | 8.6 | 8.6 | 11.8 | 12.7 | 12.5 | ${ }_{61}^{60}$ |
| 9.6 | 9.9 | 9.6 | 49.4 | 52.5 | 50.3 | 12.7 | 13.1 | 13.1 | 44.3 | 46.7 | 46.4 | 43.8 | 44.3 | 41.1 | 61 |

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

| Stute and arme | Town |  |  | Mning |  |  | Construction |  |  | Menufecturing |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAII: } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAII: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JA1A0 } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAI: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & 3 \mathrm{SN} \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \overline{D E C} . \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ |
| MASSACHUSETTS-Continued <br> 1 Worcester $\qquad$ | 161.5 | 168.5 | (*) | (2) | (2) | (*) | 3.9 | 4.7 | (*) | 48.1 | 48.7 | (*) |
| 2 michigan! | (*) | 3.626.3 | 3,507.8 | (*) | 13.1 | 13.1 | (*) | 136.2 | 118.2 | (*) | 1.103.5 | 1,053.3 |
| 3 Ann Arbor ${ }^{\text {a }}$ | (*) | 141.8 | 136.9 | (*) | (2) | (2) | (*) | 2.9 | 2.4 | (*) | 44.3 | 42.6 |
| 4 Battle Creek ${ }^{1}$ | (*) | 65.7 | 64.8 | (*) | (2) | (2) | (*) | 1.8 | 1.6 | (*) | 22.1 | 21.8 |
| 5 Bay City ${ }^{1}$. | (*) | 35.0 | 34.0 | (*) | (2) | (2) | (*) | 1.3 | 1.2 | (*) | 10.0 | 10.0 |
| 6 Detroit.! | (*) | 1.785 .1 | 1,725.3 | (*) | 1.2 | 1.2 | (*) | 60.1 | 53.6 | (*) | 558.3 | 525.0 |
| 7 Flint ${ }^{1}$. | (*) | - 199.6 | 193.4 | (*) | (2) | (2) | (*) | 6.1 | 5.8 | (*) | 79.4 | 77.4 |
| 8 Grand Rapids | (*) | 273.9 | 264.8 | (*) | (2) | (2) | (*) | 14.1 | 12.0 | (*) | 93.8 | 92.5 |
| 9 Jackson ${ }^{\text {2 }}$ | (*) | 54.6 | 53.6 | (*) | (2) | (2) | (*) | 1.9 | 1.7 | (*) | 16.1 | 16.0 |
| 10 Kalamazoo-Portage ! | (*) | 109.5 | 110.5 | (*) | (2) | (2) | (*) | 4.5 | 4.0 | (*) | 35.3 | 34.6 |
| 11 Lansing-East Lansing!. | (*) | 198.8 | 194.3 | (*) | (2) | (2) | (*) | 6.1 | 5.3 | (*) | 43.9 | 42.6 |
| 12 Muskegon-Norton Shores-Musk. Hgts!. | (*) | 60.6 | 60.1 | (*) | (2) | (2) | (*) | 2.8 | 2.6 | (*) | 21.0 | 21.3 |
| 13 Saginaw !..................... | (*) | 89.9 | 88.0 | (*) | (2) | (2) | (*) | 2.6 | 2.4 | (*) | 3 S 2 | 32.7 |
| 14 Minnesota | 1.683.0 | 1.790.1 | (*) | 16.0 | 16.8 | (*) | 66.2 | 84.3 | (*) | 362.8 | 379.9 | (*) |
| 15 Duluth-Superior | 60.9 | 64.4 | (*) | (2) | (2) | (*) | 2.0 | 2.3 | (*) | 8.4 | 8.7 | (*) |
| 16 Minneapolis-St. Paul | 1.026.5 | 1.088.0 | (*) | (2) | (2) | (*) | 37.7 | 49.0 | (*) | 235.8 | 244.1 | (*) |
| 17 MISSISSIPPI ${ }^{1}$ | 818.4 | 850.3 | 835.9 | 8.5 | 9.7 | 9.7 | 40.9 | 47.0 | 42.7 | 233.5 | 232.4 | 229.8 |
| 18 Jackson ${ }^{1}$. | 141.8 | 149.4 | 147.2 | 1. 1 | 1.3 | 1.3 | 7.0 | 7.7 | 7.0 | 18.6 | 19.4 | 19.3 |
| 19 MISSOURI ! | 1,941.6 | 2,014.0 | 1,963.5 | 7.3 | 8.0 | 7.7 | 72.9 | 89.4 | 78.8 | 459.8 | 456.1 | 448.8 |
| 20 Kansas City ! | 623. 2 | 641.8 | 624.8 | . 4 | . 6 | . 5 | 23.7 | 28.7 | 25.9 | 127.7 | 130.0 | 125.9 |
| 21 St. Joseph : | 37.0 | 37.4 | 36.6 | (3) | (3) | (3) | 1.5 | 2.0 | 1.9 | 9.5 | 9.1 | 8.9 |
| 22 St. Louis: | 990.1 | 1,002.8 | 971.9 | 2.8 | 3.1 | 3.0 | 36.9 | 45.0 | 43.3 | 260.0 | 251.1 | 241.1 |
| 23 Springtield ! | 82.0 | 86.0 | 84.2 | (3) | (3) | (3) | 3.3 | 3.9 | 3.6 | 18.1 | 18.4 | 18.7 |
| 24 MONTANA | 268.9 | 288.7 | 278.1 | 7.0 | 7.9 | 7.8 | 11.2 | 14.5 | 11.6 | 25.9 | 26.4 | 26.3 |
| 25 Billings | 45.3 | 49.7 | 48.9 | (2) | (2) | (2) | 2.0 | 2.9 | 3.1 | 4.1 | 4.8 | 4.7 |
| 26 Great Falls | 29.1 | 30.2 | 29.3 | (2) | (2) | (2) | 1.4 | 1.6 | 1.4 | 1.6 | 1.7 | 1.6 |
| 27 NEBRASKA | 604.8 | 632.3 | 616.3 | 1. 5 | 1.7 | 1.4 | 26.9 | 31.3 | 27.3 | 96.E | 10c. 3 | 99.1 |
| 28 Lincotn | 96.3 | 103.8 | 99.4 | (3) | (3) | (3) | 4.0 | 4.7 | 4.1 | 14.0 | 14.1 | 13.8 |
| 29 Omaha! | 256.5 | 267.6 | 260.9 | (3) | (3) | (3) | 10.1 | 10.8 | 9.4 | 36.5 | 37.8 | 37.3 |
| 30 NEVADA! | 359.9 | 394.7 | 387.1 | 4.0 | 5.0 | 4.9 | 24.4 | 26.2 | 24.8 | 18.8 | 20.1 | 20.3 |
| 31 Las Vegas. | 200.0 | 216.8 | 214.2 | . 4 | . 6 | . 6 | 14.4 | 15.6 | 15.2 | 6.8 | 7.2 | 7.3 |
| 32 Reno? | 104.3 | 117.5 | 114.2 | . 6 | . 8 | . 8 | 6.7 | 6.9 | 6.3 | 8.1 | 8.5 | 8.6 |
| 33 NEW HAMPSHIRE | 363.2 | 386.9 | (*) | . 3 | -4 | (*) | 17.2 | 20.7 | (*) | 112.3 | 114.4 | (*) |
| 34 Manchester | 70.8 | 76.0 | (*) | (3) | (3) | (*) | 2.9 | 3.6 | (*) | 19.0 | 18.3 | (*) |
| 35. Nashua | 56.0 | 61.3 | (*) | (3) | (3) | (*) | 2.6 | 3.2 | (*) | 25.8 | 27.7 | (*) |
| 36 NEW JERSEY | 2.951.4 | 3.064.5 | 2,993.9 | 2.4 | 2.5 | 2.4 | 101.2 | 117.1 | 102.9 | 789.4 | 794.1 | 783.6 |
| 37 Atlantic City | 70.2 | 84.9 | 83.7 | - |  | - | 3.4 | 6.5 | 5.8 | 8.2 | 7.8 | 7.8 |
| 38 Camden? | 323.0 | 335.5 | 329.0 | . 1 | - 1 | - 1 | 11.7 | 13.7 | 11.8 | 70.2 | 71.5 | 71.2 |
| 39 Hackensuck | 389.2 | 399.3 | 387.6 | (2) | (2) | (2) | 11.2 | 13.4 | 12.1 | 113.3 | 112.7 | 108.7 |
| 40 Jersey City : | 229.2 | 233.1 | 227.5 | - | - | - | 3.6 | 4.1 | 3.9 | 69.3 | 70.4 | 67.6 |
| 41 Long Branch.Asbury Park | 148:4 | 154.7 | 151.2 | (2) | (2) | (2) | 5.5 | 5.0 | 4.3 | 23-1 | 24.2 | 23.8 |
| 42 New Bruns. Perth Amboy-Sayrevilie ${ }^{\text {e }}$. | 278.7 | 290.8 | 282.9 | (2) | (2) | (2) | 10.0 | 10.9 | 9.3 | 89.7 | 90.5 | 88.0 |
| 43 Newark: | 921.9 | 955.6 | 931.9 | . 9 | . 9 | . 9 | 31.0 | 36.0 | 31.3 | 252.1 | 256.6 | 254.7 |
| 44 Paterson-Clifton-Passaic : | 193.3 | 198.5 | 194.6 | (2) | (2) | (2) | 5.4 | 6.6 | 6.0 | 68.5 | 69.2 | 68.5 |
| 45 Trenton | 161.6 | 167.7 | 164.1 | (2) | (2) | (2) | 2.5 | 3.1 | 2.6 | 37.3 | 35.7 | 35.1 |
| 45 Vineland-Millville-Bridgeton | 56.7 | 59.0 | 58.3 | (2) | (2) | (2) | , | 1. | 1.4 | 19.3 | 19.2 | 19.2 |
| 47 NEW mexico ${ }^{1}$. | 442.1 | 471.5 | 469.0 | 25.3 | 27.7 | 27.4 | 32.3 | 35.6 | 33.5 | 33.7 | 35.3 | 35.2 |
| 48 Albuquerque ! | 180.6 | 191.1 | 187.5 | (2) | (2) | (2) | 14.6 | 15.5 | 14.5 | 17.4 | 18.5 | 18.3 |
| 49 NEW YORK ! | 6.992.8 | 7.271 .6 | 7.087.9 | 5.0 | 6.0 | 5.5 | 173.2 | 207.5 | 177.8 | 1,465.6 | 1.494.2 | 1.465.5 |
| 50 Albany-Schenectady-Troy ! | 328.9 | 340.7 | 334.0 | (2) | (2) | (2) | 9.2 | 11.4 | 9.9 | 61.0 | 59.8 | 58.8 |
| 51 Binghamton | 115.9 | 119.3 | 116.4 | (2) | (2) | (2) | 3.2 | 3.8 | 3.0 | 42.7 | 42.1 | 42.4 |
| 52 Buffalo. | 503.1 | 520.5 | 506.3 | (2) | (2) | (2) | 14.0 | 19.3 | 17.3 | 145.2 | 142.9 | 138.7 |
| 53 Elmira!. | 37.1 | 37.7 | 36.9 | (2) | (2) | (2) | 1.0 | 1.1 | - 9 | 12.0 | 12.0 | 11.8 |
| 54 Monroe County 1., | 328.5 | 339.7 | 332.9 | (2) | (2) | (2) | 8.2 | 9.3 | 8.2 | 132.8 | 134.1 | 133.8 |
| 55 Nassau-Suffotk ${ }^{1} \ldots . .19$ | 863.9 | 906.0 | 885.1 | (2) | (2) | (2) | 30.0. | 36.7 | 32.8 | 161.3 | 167.2 | 165.6 |
| 56 New York-Northeastern New Jersey ! 1 . | 6,497.9 | 6,683. 3 | (*) | 3.0 | 3.0 | (*) | 169.8 | 187.5 | (*) | 1.361.7 | 1,380.5 | (*) |
| 57 New York and Nassau-Suffolk ! . . ${ }^{8}$. | 4.502.3 | 4,676.8 | 4.578.7 | 1.6 | 1.7 | 1.7 | 108.7 | 126.8 | 114.4 | 755.9 | 777.0 | 758.8 |
| 58 New York SMSA ! . . 10 | 3,638.5 | 3,770.8 | 3,693.6 | 1.4 | 1.5 | 1.5 | 78.7 | 90.0 | 81.6 | 594.6 | 609.8 | 593.2 |
| 59 New York City | 3.217.1 | 3,318.0 | 3.253.1 | 1.1 | 7.2 | 1.2 | 64.4 | 71.6 | 66.7 | 506.5 | 514.4 | 498.1 |
| 60 Poughkeepsie ' | 93.4 | 98.8 | 96.5 | (2) | (2) | (2) | 2.3 | 2.9 | 2.5 | 31.6 | 32.7 | 32.5 |
| 61 Rochester !. | 404.1 | 4.19 .0 | 409.7 | (2) | (2) | (2) | 9.9 | 11.6 | 10.1 | 154.3 | 156.5 | 155.6 |


| Tramsportation and publle utilitites |  |  | Wholeste and retail trede |  |  | Finances, inurunces, and roel estrate |  |  | Servicas |  |  | Governmemt |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { JIN: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN: } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAKo } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { 3AN- } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. }^{1979} \end{aligned}$ | $\begin{aligned} & \text { Jas. } \\ & 1988 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JaN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JANa } \\ & 1980 \mathrm{E} \end{aligned}$ |  |
| 6.9 | 7.4 | (*) | 35.7 | 3.8 .8 | (*) | 8.5 | 8.8 | (*) | 31.7 | 33.0 | (*) | 26.7 | 27.1 | (*) |  |
| (*) | 159.6 | 156.8 | (*) | 780.2 | 748.4 | (*) | 155.3 | 154.7 | (*) | 636.2 | 634.3 | (*) | 642.3 | 629.1 | 2 |
| (*) | 3.6 | 3.6 | (*) | 20.8 | 19.8 | (*) | 3.6 | 3.6 | (*) | 21.0 | 20.8 | (*) | 45.6 | 44.1 | 3 |
| (*) | 2.3 | 2.3 | (*) | 11.5 | 11.3 | (*) | 3.6 | 3.6 | (*) | 11.7 | 11.6 | (*) | 12.5 | 12.5 | 4 |
| (*) | 1.9 | 1.9 | (*) | 8.5 | 8. 1 | (*) | 1.2 | 1.2 | (*) | 7.0 | 6.8 | (*) | 5.1 | 4.8 | 5 |
| (*) | 85.9 | 84.4 | (*) | 381.1 | 365.9 | (*) | 89.8 | 89.6 | (*) | 344.9 | 345.0 | (*) | 263.8 | 260.6 | 6 |
| (*) | 7.1 | 7.0 | (*) | 43.1 | 40.5 | (*) | 6.0 | 5.9 | (*) | 30.7 | 30.0 | (*) | 27.2 | 26.8 | 7 |
| (*) | 10.8 | 10.8 | (*) | 62.7 | 58.6 | (*) | 10.2 | 10.2 | (*) | 49.9 | 48.7 | (*) | 32.1 | 31.8 | 8 |
| (*) | 5.0 4.3 | 5.1 4.3 | (*) | 11.3 21.9 | 11.0 21.4 | (*) | 1.5 3.5 | 1.5 3.5 | (*) | 10.1 | 9.8 22.1 | (*) | 8.7 21.5 | 8.5 | 9 |
| (*) | 4.3 5.7 | 4.3 5.7 | (*) | 21.9 37.5 | 21.4 35.7 | (*) | 3.5 9.3 | 3.5 9.2 | (*) | 18.5 | 22.1 | (*) | 21.5 69.3 | 20.6 | 1 |
| (*) | 5.7 3.1 | 5.7 3.1 | (*) | 37.5 11.8 18.2 | 35.7 11.2 | (*) | 9.3 1.7 | 9.2 1.8 | (*) | 26.6 9.6 | 26.2 9.6 | (*) | 69.3 10.5 | 69.3 10.4 | 12 |
| (*) | 3.1 4.9 | 3.1 4.8 | (*) | 11.8 18.2 | 11.2 17.6 | (*) | 1.7 3.9 | 1.8 3.9 | (*) | 9.6 14.6 | 9.6 14.5 | (*) | 10.5 12.4 | 10.4 | 3 |
| 96.3 | 102.6 | (*) | 427.0 | 456.3 | (*) | 88.5 | 92.8 | (*) | 333.0 | 356.8 | (*) | 293. 1 | 300.7 | *) |  |
| 6.3 | 6.4 | (*) | 16.6 | 18.2 | (*) | 2.2 | 2.4 | (*) | 12.0 | 12.8 | (*) | 13.4 | 13.7 | (*) | 14 |
| 62.7 | 67.3 | (*) | 257.6 | 275.5 | (*) | 65.9 | 69.0 | (*) | 213.9 | 227.9 | (*) | 153.0 | 155.2 | (*) | 16 |
| 39.2 | 42.4 | 41.6 | 159.3 | 169.0 | 162.8 | 31.6 | 33.0 | 33.0 | 113.9 | 120.4 | 119.3 | 191.4 | 196.4 | 197.1 | 7 |
| 9.4 | 10.1 | 10.2 | 34.7 | 36.4 | 35.3 | 10.9 | 1.1 .5 | 11.5 | 26.9 | 28.7 | 28.2 | 33.4 | 34.3 | 34.4 | 18 |
| 136.9 | 142.9 | 140.7 | 460.0 | 488.4 | 469.8 | 105. 2 | 108. 5 | 106.0 | 360.0 | 378.7 | 375.4 | 339.5 | 342.0 | 336.3 | 19 |
| 54.0 | 53.3 | 52.7 | 161.6 | 165.8 | 158.0 | 43.0 | 44.1 | 44.1 | 121.0 | 126.8 | 126.1 | 91.8 | 92.5 | 91.6 | 20 |
| 2.2 | 2.1 | 2.1 | 9.3 | 9.5 | 9.3 | 1.9 | 1.9 | 1.8 | 6.7 | 6.8 | 6.8 | 5.9 | 6.0 | 5.6 | 21 |
| 69.5 | 70.7 | 69.0 | 228.0 | 232.3 | 220.7 | 55.2 | 56.8 | 56.3 | 197.6 | 202.5 | 199.9 | 140.1 | 141.3 | 138.6 | 22 |
| 6.2 | 6.5 | 6.6 | 22.8 | 24.3 | 22.5. | 3.3 | 3.3 | 3.3 | 17.1 | 17.8 | 17.7 | 11.2 | 11.8 | 11.8 | 23 |
| 21.8 | 23.2 | 22.9 | 69.9 | 76.5 | 72.8 | 12.3 | 12.9 | 12.6 | 51.7 | 55.1 | 53.7 | 69.3 | 72.2 | 70.4 | 24 |
| 4.5 | 4.9 | 4.9 | 15.4 | 16.5 | 16.1 | 2.2 | 2.4 | 2.3 | 9.3 | 10.1 | 10.0 | 7.7 | 8.1 | 7. | 25 |
| 1.9 | 1.9 | 1.9 | 9.5 | 10.1 | 9.7 | 2.1 | 2. 1 | 2.1 | 6.6 | 6.8 | 6.7 | 6.0 | 5.9 | 5. | 26 |
| 44.1 | 46.3 | 45.6 | 159.2 | 167.9 | 162.4 | 40.1 | 41.4 | 41.4 | 109.6 | 116.5 | 114.8 | 126.6 | 126.9 | 124.3 | 27 |
| 6.7 | 7.1 | 7.1 | 21.5 | 23.4 | 22.4 | 7.1 | 7.5 | 7.4 | 16.0 | 17.0 | 16.7 | 27.0 | 30.0 | 27.9 | 28 |
| 23.6 | 24.7 | 24.2 | 68.0 | 71.5 | 68.5 | 23.6 | 24.7 | 24.8 | 55.8 | 59.1 | 58.0 | 38.9 | 39.0 | 38.7 | 29 |
| 21.8 | 23.9 | 23.9 | 72.6 | 82.9 | 80.0 | 15.8 | 17.4 | 17.4 | 149.9 | 162.8 | 160.8 | 52.6 | 56.4 | 5.0 | 30 |
| 12.1 | 12.9 | 12.8 | 41.5 | 46.5 | 44.7 | 8.8 | 9.8 | 9.8 | 9.2 .4 | 98.5 | 98.7 | 23.6 | 25.7 | 25.1 | 31 |
| 7.3 | 8.4 | 8.4 | 22.5 | 26.6 | 25.7 | 5.6 | 6, 2 | 6.1 | 38.9 | 44.2 | 43.0 | 14.6 | 15.9 | 15.3 | 32 |
| 13.5 | 13.9 | (*) | 81.3 | 90.7 | (*) | 17.8 | 19.1 | (*) | 64.9 | 68.7 | (*) | 55.9 | 59.0 | (*) | 33 |
| 4.7 | 4.9 | (*) | 17.7 | 20.9 | (*) | 5.3 | 5.6 | (*) | 13.0 | 14.0 | (*) | 8.2 | 8.7 | (*) | 34 |
| 1.6 | 1.8 | (*) | 11.0 | 12.7 | (*) | 1.8 | 2.0 | (*) | 7.6 | 8.3 | (*) | 5.6 | 5.6 | (*) | 35 |
| 188, 7 | 191.8 | 188.9 | 665.4 | 700.8 | 666.8 | 149.1 | 153. 5 | 152.5 | 541.8 | 579.5 | 572.3 | 513.4 | 525.2 | 524.5 | 36 |
| 3. 5 | 3.6 | 4.0 | 17.7 | 18.6 | 17.9 | 4.3 | 4.7 | 4.5 | 17.4 | 27.6 | 27.5 | 15.7 | 16.1 | 16.2 | 37 |
| 15.1 | 15.8 | 15.5 | 83.7 | 86.8 | 83.9 | 15.2 | 16.1 | 15.9 | 63.9 | 67.1 | 66.5 | 63.1 | 64.4 | 64.1 | 38 |
| 20.5 | 20.1 | 19.7 | 112.8 | 116.7 | 111.7 | 15.3 | 16. 0 | 16.0 | 73.0 | 76.6 | 75.9 | 43.1 | 43.8 | 43.5 | 39 |
| 26.6 | 26.6 | 25.9 | 45.5 | 47.5 | 46.5 | 8.5 | 9.0 | 9.0 | 30.0 | 29.8 | 29.7 | 45.7 | 45.7 | 44.9 | 40 |
| 6.2 | 6.2 | 6. 4 | 39.1 | 42.0 | 40.3 | 7.1 | 7.2 | 7.2 | 35.2 | 37.5 | 36.9 | 32.2 | 32.6 | 32.3 | - |
| 20.5 | 23.5 | 23.3 | 66.4 | 70.4 | 67.2 | 9.5 | 9, 7 | 9.8 | 37.2 | 39.7 | 39.0 | 45.4 | 46.1 | 46.3 | 42 |
| 70.3 | 69.6 | 69.2 | 177.4 | 188.8 | 180.4 | 61.4 | 62.5 | 61.8 | 181.9 | 190.4 | 188.9 | 146.9 | 150.8 | 144.7 | 43 |
| 7.4 | 7.2 | 7.2 | 42.3 | 45.5 | 42.8 | 9.4 | 9.7 | 9.6 | 31.7 | 33.3 | 33.3 | 28.6 | 27.0 | 27.2 | 44 |
| 5.9 | 5.8 | 5.8 | 25.6 | 28.1 | 26.1 | 6.7 | 6.9 | 6.8 | 37.9 | 40.3 | 39.6 | 45.7 | 47.8 | 48.1 | 45 |
| 3.0 | 3.1 | 3.1 | 9.5 | 9.9 | 9.7 | 2.4 | 2.4 | 2.4 | 8.7 | 9.1 | 9.4 | 12.4 | 13.5 | 13. | 46 |
| 27.4 | 29.3 | 28.8 | 102.0 | 108.7 | 108.7 | 20.4 | 21.6 | 21.6 | 83.5 | 88.7 | 89.6 | 117.5 | 124.6 | 124.2 | 47 |
| 10.9 | 12.2 | 12.2 | 46.3 | 48.9 | 48.1 | 10.4 | 11.1 | 11.1 | 40.9 | 42.9 | 41.9 | 40.1 | 42.0 | 41. | 48 |
| 428.0 | 437.6 | 430.0 | 1.445 .0 | 1,534.3 | 1,454.0 | 592.6 | 607.2 | 605.4 | 1.576.4 | 1.660.3 | 1,639.8 | 1.307.0 | 1.324.4 | 1,309.9 | 49 |
| 15.3 | 16.2 | 15.9 | 68.0 | 70.8 | 68.7 | 14.8 | 15.5 | 15.4 | -65.4 | 69.4 | 69.0 | 95.1 | 97.6 | 96.2 | 50 |
| 4.7 | 4.7 | 4.6 | 21.9 | 22.1 | 21.4 | 3.6 | 4.0 | 4.0 | 17.1 | 18.0 | 18.0 | 22.7 | 23.6 | 23.0 | 51 |
| 27.6 | 29.1 | 28.4 | 114.0 | 119.5 | 115.2 | 21.7 | 22.2 | 22.1 | 93.4 | 98,8 | 97.0 | 87.2 | 88.8 | 87.6 | 52 |
| 1.4 | 1.4 | 1.4 | 8.1 | 8.2 | 8.0 | 1.0 | 1.0 | 1.0 | 6.6 | 7.0 | 6.9 | 6.9 | 7.0 | 6.8 | 53 |
| 10.1 | 10.1 | 10.0 | 60.1 | 63.3 | 60.8 | 14.3 | 14.7 | 14.7 | 63.2 | 66.8 | 65.3 | 39.8 | 41.3 | 40.1 | 54 |
| 461.2 317.0 | 464.6 322.3 | (317.3 | 1.382 .3 940.9 | 1.451 .7 992.5 | (*) | 588.6 491.5 | 599.7 503.3 | $50{ }^{(*)}$ | 1.461.6 | 1.515.1 | 1 (*) | $1,069.7$ 710.8 | 1.081.2 | 773 (*) | 56 |
| 279.8 | 284.9 | 280.6 | 71.3.5 | 749.7 | 712.8 | 441.8 | 452.4 | 451.4 | 932.6 | 981.8 | 975.2 | 596.2 | 600.7 | 597.3 | 57 |
| 257.9 | 261.8 | \|257.8 | 616.1 | 643.2 | 611.4 | 421.8 | 432.1 | 431.4 | 834.1 | 876.8 | 872.1 | 515.1 | 516.9 | 514.5 | 58 |
| 2.7 | 2.8 | 2.8 | 15.7 | 16.4 | 15.9 | 2.5 | 2.6 | 2.6 | 16.3 | 17.5 | 16.7 | 22.3 | 23.9 | 23.6 | 60 |
| 12.8 | 12.9 | 12.7 | 76.5 | 81.0 | 77.5 | 15.8 | 16.4 | 16.3 | 74.4 | 78.3 ; | 76.7 | 60.3 | 62.4 | 60.9 |  |

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

| State and erse |  | Total |  |  | Mining |  |  | Construction |  |  | Menuficturing |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & 14 \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JA11. } \\ & 1980 \mathrm{~F} \end{aligned}$ | $\begin{aligned} & \text { J14. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { Jah. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAH. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { LEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAM. } \\ & 1980 \mathrm{~F} \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $1$ | Rockland County !. .1.! | 78.2 | 82.1 | 80.4 | (2) | (2) | (2) | 1.9 | 2.5 | 2.0 | 15.8 | 15.9 | 15.9 |
| 2 | Syracuse ${ }^{1}$. | 257.5 | 267.0 | 257. 1 | (2) | (2) | (2) | 9.1 | 10.4 | 8.5 | 61.3 | 60.8 | 59.1 |
| 3 | Utica-Rome ! | 113.4 | 116.8 | 115.3 | (2) | (2) | (2) | 1-9 | 2.7 | 2.4 | 31.8 | 32.7 | 32-3 |
| 4 | Westchester County . ! . ! | 331.4 | 358. 2 | 347.7 | (2) | (2) | (2) | 11.7 | 15.1 | 12.4 | 71.1 | 78.2 | 77.8 |
| 56789 | NORTH CAROLINA | 2,326.0 | 2,432.8 | 2;404.6 | 4.9 | 5.0 | 4.9 | 116.3 | 134.7 | 127.6 | 819.1 | 826.6 | 823.3 |
|  | Asheville . ${ }^{\text {I }}$ | 69.0 | 71.5 | 70.2 | (2) | (2) | (2) | 3.2 | 3.0 | 2.8 | 22.c | 22.1 | 22.0 |
|  |  | 320.5 | 330.8 | 326.4 | (2) | (2) | (2) | 16.8 | 18.1 | 17.8 | 88.2 | 89.7 | 89.0 |
|  | Greensboro-Winston-Salem-High Pt ${ }^{\text {? }}$ | 382.0 | 395.9 | 391.8 | (2) | (2) | (2) | 16.6 | 16.5 | 15.9 | 149.1 | 152.4 | 152.7 |
|  | Raleigh Durham ${ }^{1}$. . . . . . . . . . . . . . | 257.0 | 274.8 | 271.4 | (2) | (2) | (2) | 13.8 | 15.4 | 15.0 | 41.9 | 44.0 | 43.9 |
| 10 | NORTH DAKOTA | 230.6 | 247.3 | 240.2 | 4.7 | 5.8 | 5.8 | 13.5 | 17.2 | 14.4 | 15.8 | 16.9 | 16.6 |
|  | Fargo-Moorhead | 60.5 | 64.2 | 62.6 | (3) | (3) | (3) | 3.6 | 4.1 | 3.5 | 5.2 | 5.3 | 5.2 |
| 12 OHIO |  | 4, 393.4 | 4,534.3 | 4,415.3 | 31.5 | 31.4 | 31.2 | 150.5 | 184.4 | 158.3 | 1.388.4 | 1, 355.8 | 1.336.7 |
| 13 | Akron ${ }^{1}$ | 265.5 | 275.7 | 269.2 | (*) | (*) | (*) | 7.1 | 9.2 | 7.6 | 86.2 | 84.3 | 83.8 |
| 14 | Canton! | 156.5 | 161.5 | 159.0 | (*) | (*) | (*) | 5.1 | 6.6 | 5.7 | 57.9 | 55.7 | 56.4 |
| 15 | Cincinnati | 589.6 | 617.5 | 600.3 | (*) | (*) | (*) | 22.8 | 28.5 | 25.3 | 170.3 | 171.8 | 168.7 |
| 16 | Cleveland ${ }^{\text {' }}$ | 902.6 | 922.1 | 908.0 | (*) | (*) | (*) | 29.2 | 34.0 | 29.8 | 278.2 | 270.8 | 270.1 |
| 17 | Columbus ${ }^{1}$ | 493.9 | 518.1 | 503.7 | (*) | (*) | (*) | 16.9 | 21.2 | 18.0 | 101.9 | 100.6 | 100.2 |
| 18 | Dayton ${ }^{1}$ | 361.3 | 369.7 | 360.5 | (*) | (*) | (*) | 10.8 | 14.2 | 12.3 | 113.4 | 105.2 | 105.5 |
| 19 | Toledo ! . . | 302.2 | 310.0 | 301.3 | (*) | (*) | (*) | 10.0 | 12.0 | 10.5 | 90.3 | 85.8 | 84.3 |
| 20 | Youngstown-Warren! | 209.7 | 217.4 | 210.3 | (*) | (*) | (*) | 6.0 | 7.0 | 6.1 | 79.8 | 78.7 | 75.9 |
| 210 | OKLAHOMA ${ }^{\prime}$. | 1.047.8 | 1. 122. 1 | 1. 105.8 | 58.0 | 63. 1 | 63.6 | 52.2 | 60.9 | 56.5 | 177.9 | 188.1 | 188.4 |
| 22 | Oklahoma City | 365.3 | 396.3 | 394.1 | 13.3 | 14.3 | 14.4 | 17.6 | 20.1 | 19.5 | 48.8 | 56.6 | 56.9 |
| 23 | Tuisa ${ }^{1}$. | 276.6 | 290.5 | 288.0 | 17.3 | 18.6 | 18.8 | 14.5 | 15.7 | 15.2 | 58.0 | 61.2 | 61.0 |
| 240 | OREGON ! | (*) | 1.065.2 | 1.046.4 | (*) | 2.3 | 2.2 | (*) | 53.6 | 48.6 | (*) | 225.4 | 221.5 |
| 25 | Eugene-Springfield | (*) | 104.2 | 102.2 | (*) | (2) | (2) | (*) | 5.7 | 5.0 | (*) | 20.6 | 20.0 |
| 26. | Jackson County |  | 562* |  |  | - |  |  |  |  | (*) | 7.7 | (*) |
| 27 | Portiand ! | (*) | 562.8 | 554.2 | (\%) | (2) | (2) | (*) | 28.7 | 26.2 | (*) | 115.7 | 115.4 |
| 28 | Salem | 85.1 | (*) | (*) | (2) | (*) | (*) | 4.3 | (*) | (*) | 12.4 | (*) | (*) |
| $29 / \mathbf{P}$ | PENNSVLVANIA! | 4.695.6 | 4.882. 5 | 4.789.5 | 52.7 | 51.1 | 50.5 | 170.5 | 209.7 | 189.7 | 1.374.7 | 1.383.7 | 1.369.8 |
| 30 | Allentown-Bethlehem-Easton ${ }^{1}$ | 259.0 | 266.7 | 263.3 | (2) | (2) | (2) | 8.5 | 9.8 | 8.9 | 109.8 | 11C.9 | 110.3 |
| 31. | Altoona ${ }^{1}$. | 51.2 | 53.9 | 53.3 | (2) | (2) | (2) | 2.2 | 3.1 | 3.0 | 12.7 | 13.4 | 13.6 |
| 32 | Delaware Valley ${ }^{1}$ | 1,559.4 | 1.627.1 | 1.590.7 | (2) | (2) | (2) | 51.4 | 66.4 | 61.8 | 378.8 | 383.8 | 381.5 |
| 33 | Erie ! | 115.3 | 117.9 | 115.7 | (2) | (2) | (2) | 3.1 | 3.5 | 3.0 | 44.5 | 43.9 | 43.2 |
| 34 | Harrisburg ${ }^{1}$ | 213.3 | 218.0 | 215.1 | (2) | (2) | (2) | 7.7 | 8.6 | 7.8 | 42.3 | 43.6 | 43.5 |
| 35 | Johnstow! | 88.5 | 91.4 | 90.9 | 9.8 | 9.4 | 9.4 | 2.6 | 3.6 | 3.0 | 20.3 | 20.3 | 20.3 |
| 36 | Lancaster ${ }^{\text {! }}$ | 150.1 | 155.2 | 152.4 | (2) | (2) | (2) | 7.5 | 8.1 | 7.5 | 60.1 | 60.5 | 60.1 |
| 37 | Northeast Pennsylvania | 238.9 | 246. 1 | 242.3 | 1. 1 | 1.2 | 1.1 | 11.5 | 13.2 | 11.7 | 73.2 | 72.6 | 73.7 |
| 38 | Pritadelbhia SMSA ${ }^{1}$. | 1.883.2 | 1.963.0 | 1.919.9 | (2) | (2) | (2) | 63.9 | 80.6 | 74.0 | 450.4 | 457.5 | 454.6 |
| 39 | Philadelphia City ! | 793.8 | 815.9 | 798.0 | (2) | (2) | (2) | 15.9 | 19.6 | 18.5 | 146.5 | 144.8 | 143. 1 |
| 40 | Pittsburgh ${ }_{\text {i }}{ }^{1}$ | 938.4 | 967.2 | 943.6 | 11.3 | 10.9 | 10.8 | 42.1 | 48.6 | 43.7 | 253.3 | 253.0 | 246.5 |
| 41 | Reading | 135.7 | 143.0 | 140.8 | (2) | (2) | (2) | 4.5 | 5.9 | 5.4 | 54.8 | 55.3 | 55. 2 |
| 42 | Scranton 1. | 85.4 | 88.2 | 86.6 | (2) | (2) | (2) | 1.8 | 3.0 | 2.4 | 27.9 | 28.3 | 28.5 |
| 43 | Wilkes-Barre-Hazleto | 125.7 | 129.6 | 127.0 | 1.0 | 1.1 | 1.0 | 8.3 | 8.7 | 8.1 | 40.5 | 39.8 | 40.1 |
| 44. | Williamsport | 48.1 | 47.4 | 46.3 | (2) | (2) | (2) | 1.2 | 1. 5 | 1.3 | 18.5 | 17.3 | 16.6 |
| 45 | York ! | 154.9 | 157.2 | 157.5 | (2) | (2) | (2) | 6.5 | 7.4 | 7.0 | 66.5 | 65.1 | 67.7 |
| 46 | RHODE ISLANO ${ }^{1}$. | 389.5 | 404.7 | 391.7 | (2) | (2) | (2) | 11.3 | 14.0 | 11.7 | 131.2 | 132.8 | 130.3 |
| 47. | Providence-Werwick-Pawtucket ${ }^{\text {! }}$ | 401.5 | 415.4 | 402.5 | (2) | (2) | (2) | 11.4 | 14. 2 | 11.8 | 146.9 | 14E. 2 | 145.2 |
| 485 | SOUTH CAROLINA $!$ | 1.144.9 | 1.197.6 | 1.183.8 | 1.9 | 1.9 | 1.9 | 67.2 | 74.1 | 71.3 | 395. 3 | 400.3 | 399.3 |
| 49 | Charleston. North Charleston 1 | 140.7 | 147.8 | 146.4 | (2) | (2) | (2) | 10.0 | 11.3 | 11.3 | 19.5 | 19.4 | 19.0 |
| 50 | Columbia ${ }^{1}$. | 172.7 | 181.2 | 179.5 | (2) | (2) | (2) | 8.0 | 8. 1 | 8.2 | 26.6 | 27.6 | 27.6 |
| 51 | Greenville-Spartanburg ! | 258.3 | 266.6 | 264. 2 | (2) | (2) | (2) | 15. 2 | 16.6 | 16.1 | 106.1 | 106.8 | 106.7 |
| 525 | SOUTH OAKOTA | 230.6 | 239.8 | 233.6 | 2.6 | 3.0 | 3.0 | 9.8 | 11.3 | 9.9 | 25.9 | 27.0 | 26.6 |
| 53. | Rapid City | 27.8 | 29.9 | 29.2 | (3) | (3) | (3) | 2.2 | 2.6 | 2.4 | 2.8 | 3.2 | 3.0 |
| 54. | Sioux Falls | 52.5 | 53.3 | 52.2 | (3) | (3) | (3) | 2.5 | 2.4 | 2.2 | 7.4 | 7.5 | 7.3 |
| 55 T | TENNESSEE ! | 1.731.2 | 1.810.6 | 1.775.6 | 10. 5 | 10.4 | 10.5 | 75.0 | 92.9 | 85.9 | 522.9 | 529.4 | 525.2 |
| 56 | Chattanooga ! ${ }^{\text {² }}$ | 175.2 | 176. 5 | 175.8 | 1. 3 | 1.3 | 1.3 | 6.7 | 7.0 | 6.8 | 55.9 | 54.1 | 53.8 |
| 57 | Knoxville! | 194.9 | 195.1 | 193.8 | 1.6 | 1.3 | 1.3 | 11.2 | 1.1.2 | 11.0 | 54.1 | 53.0 | 52.5 |
| 58 | Memphis | 352.2 | 360.8 | 357.3 | - 1 | - 2 | . 2 | 13.5 | 15.7 | 15.5 | 62.8 | 59.9 | 59.7 |
| 59 | Nashville-Davidson. ${ }^{\text {. }}$ | 354.7 | 368.6 | 367.1 | (2) | (2) | (2) | 17.7 | 21.7 | 20.8 | 83.0 | 80.9 | 82. 2 |

[^11]B-8. Employees on nonagricultural payrolls for States and selected areas by industry division-Continued

| Traneportation and publice utilitien |  |  | Wholeane and retail trede |  |  | Finance, insurance, and reel entate |  |  | Sorvictat |  |  | Govornment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { JAH: } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAF. } \\ & \text { 1980P } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAB. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JA18. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DBC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Ja\% } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JA H. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \mathrm{J} \text { 思。 } \\ & 1980 \mathrm{D} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JA8. } \\ & 1980 \mathrm{E} \end{aligned}$ |  |
| 3.4 | 3.6 |  | 16.7 | 17.9 | 17.1 |  |  |  |  |  |  |  |  |  |  |
| 14.6 | 15.3 | 14.9 | 57.8 | 60.9 | 17. 7 | 2.4 | 2.5 | 2.4 | 16.6 | 18.0 | 17.7 | 21.4 | 21.9 | 21.7 | 1 |
| 4.0 |  |  | 7. 8 | 60 | 58 | .15.1 | 15.6 | 15.6 | 50.6 | 54.0 | 51.2 | 49.0 | 50.1 | 49.1 | 2 |
| 17.9 | 18.9 | 18.7 | 77.6 | 85.4 | 81.0 | 17.1 | 17.3 | 17.2 | 19.7 79.5 | 19.9 84.5 | 19.6 | 29.0 | 29.3 | 29.2 | 3 4 |
| 111.3 | 118.4 | 117.0 | 466.5 | 505.4 | 492.1 | 90.8 | 95.5 | 95.5 | 319.8 | 339. | 340.8 |  |  |  | 5 |
| 3.6 | 3.8 | 3.7 | 14.7 | 15.5 | 14.7 | 2.3 | 2. 2 | 2.3 | 12.0 | 339.1 13.4 | 340.8 13.4 | 397.3 11.2 | 11.5 | 11-3 | 6 |
| 29.8 | 31.1 | 30.6 | 82. 7 | 87.5 | 85.4 | 20.3 | 20.4 | 20.5 | 46.9 | 48.2 | 47.9 | 35.8 | 35.8 | 35.2 | . 7 |
| 20.7 | 21.6 | 21.4 | 77.4 | 81.7 | 78.7 | 17.5 | 18.0 | 17.9 | 54.1 | 57.2 | 56.9 | 46.6 | 35.8 48.5 | 48.3 | 8 |
| 12.4 | 13.2 | 13. 2 | 50.2 | 55.2 | 53.4 | 14.6 | 15.2 | 15.3 | 53.2 | 58.0 | 58.2 | 70.9 | 73.8 | 72.4 | 9 |
| 15.0 | 16. 3 | 15. 9 | 64.3 | 69.9 | 67.1 | 10.7 | 11.2 | 11.2 | 46.4 | 48.7 | 48.5 | 60.2 | 61.3 | 60.7 | 10 |
| 3.8 | 4.2 | 4.0 | 18.4 | 19.7 | 19.1 | 3.6 | 3.8 | 3.9 | 13.3 | 14.1 | 13.9 | 12.6 | 13.0 | 13.0 | 11 |
| 227.1 | 237.2 | 232.2 | 954.3 | 1,021.9 | 971.9 | 193.4 | 202.9 | 202. 5 | 769.0 | 818.4 | 802.5 | 679.1 | 682.2 | 680.1 | 12 |
| 14.8 | 15.8 | 15.5 | 56.9 | 61.1 | 58.3 | 9.2 | 9.6 | 9.6 | 47.5 | 50.3 | 50.2 | 43. 5 | 45.0 | 43.8 | 13 |
| 7.6 | 7.8 | 7.6 | 34.0 | 36.5 | 34.9 | 5.4 | 5.7 | 5.7 | 27.5 | 29.4 | 29.0 | 18.1 | 18.7 | 18.7 | 14 |
| 33.1 | 35.4 | 34.6 | 136.7 | 145.2 | 138.9 | 31.1 | 32.5 | 32.1 | 110.8 | 121.2 | 117.8 | 84.2 | 82.5 | 82.8 | 15 |
| 47.3 | 49.6 | 47.9 | 208.8 | 222.0 | 211.6 | 46.1 | 48.4 | 48.2 | 174.4 | 182.9 | 180.3 | 117.0 | 112.8 | 118.6 | 16 |
| 24.2 | 25.6 | 24.9 | 418.2 | 128.1 | 121.3 | 34.4 | 36.5 | 37.1 | 95.5 | 101.9 | 99.2 | 102.2 | 103.4 | 102.4 | 17 |
| 12.9 | 13.6 | 13.1 | 74.7 | 79.9 | 75.4 | 13.0 | 13.6 | 13.5 | 67.9 | 72.3 | 71.3 | 68.2 | 70.5 | 69.0 | 18 |
| 20.5 | 22.0 | 21.7 | 67.7 | 72.0 | 68.4 | 10.2 | 10.6 | 10.7 | 57.0 | 60.0 | 58.8 | 46.1 | 47.0 | 46.4 | 19 |
| 10.1 | 10.6 | 10.6 | 45.5 | 49.0 | 46.7 | 6.7 | 7.2 | 7. 1 | 35.4 | 37.8 | 37.1 | 25.7 | 26.6 | 26.5 | 20 |
| 63.5 | 66.1 | 65.5 | 249.1 | 269.9 | 258.6 | 51.9 | 54.2 | 54. 1 | 175.0 | 187.2 | 189. 1 | 220.2 | 232.6 |  | 21 |
| 22.5 | 23.0 | 23.0 | 91.9 | 100.6 | 98.3 | 22.5 | 24. 2 | 24.4 | 65.4 | 189.8 | 70.0 | 220.2 83.3 | 232.6 87.7 | 230.0 87.6 | 22 |
| 21.2 | 22.9 | 22.6 | 68.5 | 72.2 | 70.9 | 14.1 | 14.6 | 14.5 | 52.6 | 54.8 | 54.8 | 30.4 | 30.5 | 30.2 | 23 |
| (*) | 60.9 | 60.9 | (*) | 264.9 | 257.2 | (*) | 70.2 | 69.8 | (*) | 185.5 | 184.7 | (*) | 202.4 | 201.5 | 24 |
| (*) | 5.3 | 5.3 | (*) | 26.4 | 25.8 | (*) | 5.4 | 5.4 | (*) | 18.8 | 18.6 | (*) | 22.1 | 22.1 | 25 |
| (*) | 36.2 | 35.8 | ( ${ }^{(2)}$ | 147.5 | 144. 1 | (*) | 44.7 | 44.5 | (*) |  | 106.0 |  |  |  | 26 27 |
| 3.3 | (*) | (*) | 18.3 | ( ${ }^{(1)}$ | (*) | 5.4 | (*) | (*) | 14.2 | (*) | 106.0 | 27.2 | $82.8$ (*) | $\begin{array}{r} 82.2 \\ (\#) \end{array}$ | 28 |
| 269. 1 | 272.5 | 273. 2 | 975.3 | 1.012.9 | 978.6 | 229.3 | 237.9 | 237.5 | 910.0 | 986.5 | 965.4 | 714.0 | 728. 2 | 724.E | 29 |
| 13.3 | 14.3 | 14. 3 | 50.0 | 52.4 | 51.3 | 8.3 | 8. 6 | 8.6 | 39.7 | 41.7 | 40.8 | 29.4 | 29.0 | 29.1 | 30 |
| 8. 2 | 7.4 | 7.2 | 11.2 | 12.5 | 12.2 | 1.4 | 1.5 | 1.5 | 8.4 4 | 8.9 | 8.6 | 7.1 | 7.1 | 7.2 | 31 |
| 86. 1 | 85.1 | 84. 1 | 333.8 | 345.4 | 332. 1 | 106.0 | 109.8 | 109.4 | 368.9 | 389.7 | 376.7 | 234.4 | 246.9 | 245.1 | 32 |
| 5. 4 | 5.5 | 5. 4 | 23. 2 | 25.2 | 24.4 | 4.6 | 4.8 | 4.8 | 20.3 | 21.0 | 21.2 | 14.2 | 14.0 | 13.7 | 33 |
| 16.4 | 17.0 | 17.1 | 44.1 | 44.5 | 43.7 | 12.4 | 12.5 | 12.5 | 34.7 | 37.0 | 35.7 | 55.7 | 54.8 | 54.8 | 34 |
| 5.7 | 6.1 | 6.1 | 16.4 | 16.9 | 16.3 | 3.7 | 4.0 | 4.1 | 15.5 | 15.9 | 15.9 | 14.5 | 15.2 | 15.8 | 35 |
| 6.2 | 6.3 | 6.3 | 33.1 | 34.8 | 33.5 | 5.0 | 5.4 | 5.4 | 23.3 | 24.8 | 24.5 | 14.9 | 15.3 | 15.1 | 36 |
| 12.9 | 13.4 | 13.2 | 51.3 | 53.1 | 51.3 | 9.3 | 9.4 | 9.5 | 40.9 | 42.8 | 42.4 | 38.7 | 40.4 | 39.4 | 37 |
| 101.6 | 100.9 | 99.6 | 420.4 | 435.6 | 418.9 | 121.9 | 126. 1 | 125.5 | 430.6 | 454.4 | 441.3 | 294.4 | 307.9 | 306.0 | 38 |
| 57.5 | 56.0 | 55. 2 | 153.2 | 157.7 | 152. 3 | 69.0 | 69.4 | 69.4 | 208.5 | 217.9 | 209.5 | 143.2 | 150.5 | 150.0 | 39 |
| 62.0 | 63.2 | 62.7 | 203.4 | 212.8 | 205.9 | 44.1 | 44.9 | 44.8 | 200.4 | 206. 3 | 204.6 | 121.8 | 127.5 | 124.6 | 40 |
| 6.6 | 6.7 | 6.6 | 26.4 | 28.5 | 27.5 | 5.8 | 6.1 | 6.1 | 21.6 | 23.4 | 23.3 | 16.0 | 17.1 | 16.7 | 41 |
| 4.1 | 4.3 | 4.2 | 20. 0 | 20.7 | 19.8 | 3.4 | 3.3 | 3.4 | 16.2 | 16.7 | 16.5 | 12.0 | 11.9 | 11.8 | 42 |
| 7.0 | 7.1 | 7.1 | 26.3 | 27.5 | 26.6 | 5.1 | 5.3 | 5.3 | 18.2 | 19.4 | 19.1 | 19.3 | 20.7 | 19.7 | 43 |
| 2.3 | 2.3 | 2.3 | 9.9 | 10.3 | 9.8 | 2.0 | 2.1 | 2.1 | 7.5 | 7.8 | 7.8 | 6.7 | 6.4 | 6.4 | 44 |
| 7.0 | 7.0 | 6.7 | 31.7 | 33.2 | 31.9 | 3.8 | 3.9 | 3.8 | 20.4 | 21.4 | 21.2 | 19.0 | 19.2 | 19.2 | 45 |
| 13.1 | 13.5 | 13.2 | 79. 1 | 84.2 | 79.1 | 20.5 | 21.2 | 20.8 | 74.5 | 79.4 | 76.8 | 59.8 | 59.6 | 59.8 | 46 |
| 12.9 | 13.3 | 13.0 | 80.9 | 85.7 | 80.9 | 20.6 | 21.2 | 20.8 | 72.0 | 76.3 | 74.0 | 56.8 | 56.5 | 56.8 | 47 |
| 50.8 | 53.3 | 53.8 | 213.4 | 233.3 | 223.8 | 44.3 | 47.5 | 47.4 | 143.1 | 152.5 | 152.0 | 228.9 | 234.7 |  | 48 |
| 8.6 | 8.9 | 8.8 | 30.5 | 32.9 | 31.9 | 5.7 | 6.2 | 6.2 | 21.7 | 24.2 | 23.8 | 228.9 44.7 | 234.7 44.9 | 234.3 45.4 | 49 |
| 8.9 | 9.3 | 9.3 | 37.9 | 39.2 | 38.3 | 13.0 | 13.6 | 13.7 | 25.1 | 27.0 | 26.7 | 53.2 | 56.4 | 55.7 | 50 |
| 10.1 | 10.5 | 10.4 | 50. 2 | 53.0 | 51.3 | 8.8 | 9.3 | 9.3 | 33.7 | 35.7 | 35.7 | 34.2 | 34.7 | 34.7 | 51 |
| 13.4 | 13.9 | 13. 8 | 63.4 | 66.5 | 63.8 | 10.6 | 11.4 | 11.2 | 46.8 | 48.4 | 47.5 | 58. 1 | 58.3 | 57.8 | 52 |
| 1.9 | 1.8 | 1.9 | 8.3 | 9.1 | 8.8 | 1.3 | 1. 3 | 1.3 | 5.7 | 6.0 | 5.9 | 5.6 | 5.9 5.9 | 57.8 5.9 | 53 |
| 5.0 | 4.9 | 5.0 | 15.9 | 16.3 | 15.9 | 3.3 | 3.4 | 3.5 | 11.7 | 12.0 | 11.7 | 6.7 | 6.8 | 6.6 | 54 |
| 84.0 | 88.1 | 85.7 | 378.3 | 399.5 | 383.9 | 75.5 | 77.5 | 77.3 | 270.4 | 292.7 | 287.7 | 314.6 | 320.1 | 319.4 | 55 |
| 6.6 | 7.2 | 7.2 | 33.2 | 32.8 | 32.8 | 9.8 | 10. 1 | 10.0 | 28.8 | 28.9 | 28.8 | 32.9 | 35.1 | 35.1 | 56 |
| 7.9 | 8.0 | 7.9 | 41.1 | 41.6 | 40.8 | 7.7 | 8.1 | 8.1 | 29.2 | 30.2 | 30.0 | 42.1 | 35.1 41.7 | 35.1 42.2 | 57 |
| 26.2 | 27.3 | 27.1 | 96.0 | 98.2 | 96.9 | 19.1 | 19.6 | 19.8 | 68.1 | 71.8 | 71.0 | 66.4 | 68.1 | 67.1 | 58 |
| 21.1 | 22.1 | 22. 1 | 82.6 | 83.2 | 81.8 | 23.2 | 24.3 | 24.4 | 64.9 | 72.4 | 71.9 | 62.2 | 64.0 | 63.9 | 59 |

## B-8 Employees on nonagriculturel peyrolls for States and selected areas by industry division - Continued



## 1 Revised to 1979 benchmark; not strictly comparable with previously

 published data.: Comblned with services.
: Comblned with construction.

- Area Included In Chicago-Gary Standard Consolidated Statistical


## Area.

- Revised to December 1978 benchmark; not strictly comparable with previously published data.
- Revised to March 1978 benchmark; not strictly comparable with previously published data.

7 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statiatical Area

- Subarea of New York-Northeastern New Jereay.
- Subarea of Rochester Standard Metropolitan Statiatioal Area.

1. Area included in Now York and Naesau-Suffolk combined SMSA's.

11 Subarea of New York Standard Meropolltan Statistical Area. tz Subarea of Philadelphia, Pennsyivania Standard Metropolitan Statlatical Area: Bucks, Chester, Delaware, Montgomery, and Phlladelphla Counties, Pennaylvania.
is Subarea of Philadelphla, Penneylvanla Standard Metropolitan Statistical Area: Philadelphia County.
${ }^{14}$ Subarea of Northeast Pennayivania Standard Metropolitan Statistical Area: Lackawanna County.
${ }^{13}$ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

11 Total Includes data for Industry divisions not shown separately.
" Subarea of Washington D.C. Standard Metropolitan Statistical Area Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cltles and ArlIngton, Fairfax, Loudoun, and Prince Willam Countles, VIrginia.
" Revised to September 1978 benchmark; not strictly comparable with previously published data.
$p=$ preliminary.

- Not avallable.

SOURCE: Cooperating State agencles listed on Inside back cover.

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

| Transportation and public utilities |  |  | Wholenale and retail trede |  |  | Finanes, insurance, and renl entate |  |  | Sarvicts: |  |  | Government |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { JXN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline \text { DBC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & J A H_{*} \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JXH. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JNKP } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \hline J R N_{0} \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JXR. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { LEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAR. } \\ & 1980 \mathrm{~F} \end{aligned}$ |  |
| 339.5 | 358.7 | 358.2 | 1.341.3 | 1.430 .4 | 1.392.3 | 302.6 | 321.7 | 323.1 | 918.5 | 981.5 | 980. 2 |  | 84 |  |  |
| 6.9 | 7.1 | 7.1 | 22.3 | 23.4 | 1.32.3 | 3.8 | 3.8 | $\begin{array}{r}3.8 \\ \hline .8\end{array}$ | 14.1 | 14.8 | 14.6 | 4 | 8 | 989.3 | 1 |
| 6.8 | 7.1 | 7. 1 | 47.3 | 50.5 | 49.0 | 13.2 | 13.7 | 13.7 | 38.2 | 40.1 | 40.1 | 77.2 | 79.9 | 79.9 | 3 |
| 10.6 | 11.1 | 11.1 | 32.1 | 32.2 | 30.6 | 5.2 | 5.2 | 5.2 | 24.1 | 24.3 | 23.8 | 19.1 | 20.4 | 20.3 | 4 |
| 6.8 | 6.9 | 6.8 | 27.7 | 28.9 | 28.3 | 5.1 | 5.4 | 5.4 | 18.2 | 19.1 | 19.5 | 25.5 | 26.0 | 25.7 | 5 |
| 85.7 | 93.5 | 92.8 | 355.5 | 392.9 | 382.8 | 97.7 | 103.8 | 103.7 | 228.2 | 243.6 | 242. 1 | 174.4 | 177.0 | 175.3 | 6 |
| 10.4 | 10.4 | (*) | 37.6 | 40.3 | (*) | 7.1 | 7.2 | (*) | 25.1 | 26.7 | (*) | 32.7 | 33.4 | (*) | 7 |
| 6.1 95.6 | 6.9 98.9 | 6.7 98.8 | 12.5 326.8 | 12.7 346.7 | 12.3 | 4.4 | 4.4 | 4.3 | 10.6 | 11.1 | 10.9 | 15.6 | 15.6 | 15.5 | 8 |
| 95.6 | 98.9 | 98.8 | 326.8 | 346.2 | 339.0 | 78.4 | 83. 4 | 83.6 | 249.2 | 264.9 | 265.4 | 150.2 | 160.4 | 161.3 | 9 |
| 5.1 | 5-3 | 5.2 | 26.0 | 26.7 | 26.3 | 4.6 24.4 | 4.8 | 4.8 24.8 | 16.0 | 16.5 | 16.8 | 18.6 | 19.4 | 19.6 | 10 |
| 16.8 3.2 | 17.6 3.1 | 17.6 3.1 | 94.2 15.9 | 96.9 | 95.3 | 24.4 | 24.8 4.3 | 24.9 | 69.8 | 74.0 | 73.8 | 92.4 | 95.8 | 94.5 | 11 |
| 3.2 2.4 | 3.1 | 3.1 | 15.9 | 16.7 | 16.1 | 3.8 | 4.3 | 4.3 | 13.8 | 14.6 | 14.4 | 11.5 | 11.4 | 11.4 | 12 |
| 2.4 | 2.4 | 2.4 | 12.2 | 13.1 | 12.8 | 2.2 | 2. 3 | 2.3 | 7.4 | 7.7 | 7.7 | 11.1 | 11.3 | 11.3 | 13 |
| 32.3 | 35. 2 | 34.7 | 127.5 | 142.1 | 135.6 | 25.2 | 26. 8 | 26.6 | 92.4 | 101.8 | 100.9 | 123.6 | 125.6 | 125.5 | 14 |
| 25,7 | 28.6 | 28.2 | 95.8 | 106.2 | 101.3 | 20.4 | 21.9 | 21.9 | 63.0 | 69.8 | 68.6 | 88.6 | 89.9 | 89.9 | 15 |
| 8.7 | 9.1 | 8. 9 | 39.1 | 42.0 | 40.7 | 7.5 | 7.8 | 7.8 | 43.5 | 43.5 | 45. 3 | 34.7 | 37.2 | 35.2 | 16 |
| 2.2 | 2.4 | 2.4 | 11.4 | 12.5 | 11.8 | - | - | - | 10.9 | 11.3 | 11.2 | - | - | - | 17 |
| . 7 | 7 | . 6 | 2.0 | 2.2 | 2.1 | - | - | - | 2.9 | 2.8 | 3.0 | - | - | - | 18 |
| 112.9 | 115.5 | 114.2 | 433.0 | 456.9 | 442.4 | 100.1 | 104.7 | 104. 2 | 360.9 | 374.4 | 373.9 | 489.6 | 501.0 | 501.7 | 19 |
| 1.1 | 1.1 | 1.1 | 6.8 | 7.1 | 6.7 | - 9 | 1.0 | 1.0 | 3.2 | 3.6 | 3.6 | 4.9 | 5.1 | 5.0 | 20 |
| 2.6 | 2-8 | 2.7 | 11.6 | 12.9 | 12.4 | 3.2 | 3.7 | 3.5 | 9.9 | 11.0 | 10.8 | 10.0 | 10.2 | 10.2 | 21 |
| 5.0 | 5. 1 | 5.0 | 27.4 | 29.1 | 28. 2 | 4.8 | 5.1 | 5.1 | 25.0 | 26.4 | 26.4 | 40.4 | 41.9 | 41.8 | 22 |
| 19.5 | 18.9 | 18.8 | 67.3 | 71.3 | 68.7 | 14.0 | 14.7 | 14.6 | 52.3 | 53.3 | 53.2 | 81.5 | 81.7 | 81.8 | 23 |
| 27.5 | 28.9 | 28.9 | 98.2 | 101.8 | 98. 6 | 25.9 | 26.8 | 26.4 | 103.2 | 109.1 | 108.5 | 116.8 | 117.7 | 117.4 | 24 |
| 1.4 | 1.6 | 1.6 | 8.5 | 8.4 | 8.3 | 1.3 | 1.3 | 1.3 | 5.6 | 5.9 | 5.9 | 15.0 | 15.4 | 15.4 | 25 |
| 19.1 | 19.6 | 19.6 | 76.6 | 76.2 | 74.8 | 25.8 | 26.8 | 26.7 | 54.8 | 57.0 | 57.1 | 72.4 | 74.3 | 74.6 | 26 |
| 10.1 | 10.1 | 10.0 | 25.8 | 26.5 | 25.5 | 6.1 | 6.1 | 6.2 | 19.2 | 19.5 | 19.3 | 15.5 | 15.8 | 16.1 | 27 |
| 89.7 | 94.5 | (*) | 373.3 | 404.4 | (*) | 87.8 | 93.8 | (*) | 285.4 | 305.3 | (*) | 309.1 | 322.3 | (*) | 28 |
| 48.5 | 53.2 | ( $\left.{ }^{( }\right)$ | 177.1 | 195.7 | (*) | 50.8 | 54.6 | (*) | 136.7 | 146.6 | (*) | 116.7 | 121.2 | (*) | 29 |
| 7.7 | 7.97 | (*) | 34.5 | 37.4 | ( ${ }^{\left.()^{\prime}\right)}$ | 8.1 | 8.4 | (*) | 28.1 | 29.1 | (*) | 22.1 | 22.8 | (*) | 30 |
| 6.7 | 6.7 | (*) | 32.9 | 34.8 | (*) | 6.7 | 7. 1 | (\%) | 28.5 | 29.4 | (*) | 31.7 | 32.6 | (*) | 31 |
| ( ${ }^{(1)}$ | 44.6 | 43.7 | (*) | 142.5 | 133.0 | (*) | 21.8 | 21.7 | (\%) | 95.9 | 93.9 | (*) | 122.4 | 121.3 | 32 |
| (*) | 9.9 | 9.9 | (*) | 29.0 | 27.7 | (*) | 5.0 | 5.0 | (\%) | 19.9 | 19.9 | (*) | 20.6 | 21.0 | 33 |
| (*) | 10.3 | 10.2 | (*) | 24.9 | 24.1 | (*) | 4.0 | 3.9 | (*) | 15.4 | 15.3 | (*) | 17.8 | 17.5 | 34 |
| (*) | 2,7 | 2.7 | (*) | 13.4 | 12.5 | (*) | 2. 1 | 2. 1 | (*) | 9.1 | 8.8 | (*) | 10.3 | 9.9 | 35 |
| (*) | 3.7 | 3.7 | (*) | 16.6 | 16.0 | (*) | 2.6 | 2.6 | (*) | 13.0 | 13.1 | (*) | 8.1 | 8.0 | 36 |
| 88. 1 | 95,0 | 90.3 | 423.5 | 472.4 | 447.9 | 87.2 | 93.4 | 93.0 | 337.7 | 361.8 | 358.3 | 299.6 | 311.3 | 304. 2 | 37 |
| 4.4 | 4.9 | 4.9 | 25.3 | 28.9 | 27. 1 | 4.9 | 5.2 | 5.2 | 19.1 | 20.5 | 20.4 | 15.5 | 17.4 | 17.2 | 38 |
| -2.6 | 2.7 | 2.6 | 12.2 | 13.5 | 13.1 | 1.5 | 1.6 | 1.5 | 9.2 | 9.4 | 9.5 | 9.6 | 11.1 | 9.5 | 39 |
| 5.6 | 6.0 | 5.9 | 19.2 | 21.5 | 20.6 | 2.3 | 2. 5 | 2.4 | 13.8 | 14.3 | 14.1 | 10.0 | 10.5 | 10.4 | 40 |
| 1.3 | 1.4 | 1. 3 | 8.0 | 8.7 | 8.2 | 1.0 | 1.0 | 1.0 | 7.4 | 7.9 | 8.2 | 6.1 | 6.6 | 6.2 | 41 |
| 2.3 | 2.4 | 2.4 | 11.2 | 12.2 | 11.6 | 1.1 | 1. 1 | 1.1 | 9.0 | 9.5 | 9.6 | 5.8 | 6.3 | 6.1 | 42 |
| 5.9 | 6.4 | 6.3 | 34.2 | 38.4 | 35.1 | 11.4 | 12.6 | 12.6 | 29.1 | 31.7 | 31.3 | 52.7 | 56. 2 | 55.0 | 43 |
| 33.6 | 36.5 | 34.5 | 148.4 | 158.7 | 151.4 | 37.1 | 39.0 | 39.0 | 131.1 | 142.5 | 139.4 | 77.1 | 77.5 | 77.2 | 44 |
| 2. 1 | 2.1 | 2.0 | 13.0 | 13.8 | 13.2 | 2.2 | 2.3 | 2.3 | 10.8 | 11.2 | 11.2 | 8.1 | 8.9 | 8.9 | 45 |
| 15. 6 | 17.0 | 17.0 | 41.0 | 49.2 | 47.8 | 6.7 | 7.4 | 7.6 | 25.7 | 29. 5 | 29.01 | 38.7 | 42.6 | 42.0 : | 46 |
| 2.6 | 3.0 | 2.5 | 9.4 | 11.9 | 11.8 | 1.5 | 1.6 | 1.6 | 5.2 | 5.1 | 5.1 | 38.7 4.8 | 4.6 5.5 | 5.4: | 47 |
| 4.1 | 4.2 | 3.8 | 6.5 | 7.5 | 7.3 | 1.5 | 1.5 | 1.5 | 4.0 | 4.0 | 3.8 | 7.8 | 7. 3 | 7. 3 | 48 |
| 2. 1 | 2.3 | 2.3 | 7.3 | 7.6 | 7.7 | 1.4 | 1.4 | 1.4 | 6.1 | 6.2 | 6.3 | 12.7 | 13.1 | 13.1 | 49 |

C-1. Gross hours and earnings of production or nonsupervisory workers' on pirvate nonagricultural payrolls by industry division, 1969 to date

| Year and month | Averape |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weokly evernings | Weekly hours | Hourly earnings | Weokly earnings | Wookly <br> hours | Hourly ourninge | Wookly asraings | Weokly hours | Hourly earnings | Weakly ensnings | Weokly hours | Hourty cornings | Hourty Coarnings oxel overtime |
|  | Total private' |  |  | Mining |  |  | construetion |  |  | Manufecturing |  |  |  |
| 1959?. | \$ 78.78 | 39.0 | \$ 2.02 | \$103.68 | 40.5 | \$ 2.56 | \$108.41 | 37.0 | \$2.93 | \$ 88.26 | 40.3 | \$ 2.19 | \$ 2.12 |
| 1960. | 80.67 | 38.6 | 2.09 | 105.04 | 40.4 | 2.60 | 112.67 | 36.7 | 3.07 | 89.72 | 39.7 | 2.26 | 2.19 |
| 1961. | 82.60 | 38.6 | 2.14 | 106.92 | 40.5 | 2.64 | 118.08 | 36.9 | 3.20 | 92.34 | 39.8 | 2.32 | 2.25 |
| 1962. | 85.91 | 38.7 | 2.22 | 110.70 | 41.0 | 2.70 | 122.47 | 37.0 | 3.31 | 96.56 | 40.4 | 2.39 | 2.31 |
| 1963... | 88.46 | 38.8 | 2.28 | 114.40 | 41.6 | 2.75 | 127.19 | 37. 3 | 3.41 | 99.23 | 40.5 | 2.45 | 2.37 |
| 1964.. | 91.33 | 38.7 | 2.36 | 117.74 | 41.9 | 2.81 | 132.06 | 37.2 | 3.55 | 102.97 | 40.7 | 2.53 | 2.43 |
| 1965.... | 95.45 | 38.8 | 2.46 | 123.52 | 42.3 | 2.92 | 138.38 | 37.4 | 3.70 | 107.53 | 41.2 | 2.61 | 2.50 |
| 1966...... | 98.82 | 38.6 | 2.56 | 130.24 | 42.7 | 3.05 | 146.26 | 37.6 | 3.89 | 112.19 | 41.4 | 2.71 | 2.59 |
| 1967...... | 101.84 | 38.0 | 2.68 | 135.89 | 42.6 | 3. 19 | 154.95 | 37.7 | 4.11 | 114.49 | 40.6 | 2.82 | 2.71 |
| 1968...... | 107.73 | 37.8 | 2.85 | 142.71 | 42.6 | 3.35 | 164.49 | 37.3 | 4.41 | 122.51 | 40.7 | 3.01 | 2.88 |
| 1969. | 114. 61 | 37.7 | 3.04 | 154.80 | 43.0 | 3.60 | 181.54 | 37.9 | 4.79 | 129.51 | 40.6 | 3.19 | 3.05 |
| 1970... | 119.83 | 37.1 | 3.23 | 164.40 | 42.7 | 3. 85 | 195.45 | 37.3 | 5.24 | 133.33 | 39.8 | 3.35 | 3.23 |
| 1971... | 127. 31 | 36.9 | 3.45 | 172.14 | 42.4 | 4.06 | 211.67 | 37.2 | 5.69 | 142.44 | 39.9 | 3.57 | 3.45 |
| 1972...... | 136.90 | 37.0 | 3.70 | 189. 14 | 42.6 | 4.44 | 221.19 | 36.5 | 6.06 | 154.71 | 40.5 | 3.82 | 3.66 |
| 1973...... | 145. 59 | 36.9 | 3.94 | 201.40 | 42.4 | 4.75 | 235.89 | 36.8 | 6.41 | 166.46 | 40.7 | 4.09 | 3.91 |
| 1974...... | 154.76 | 36.5 | 4.24 | 219.14 | 41.9 | 5.23 | 249.25 | 36.6 | 6.81 | 176.80 | 40.0 | 4.42 | 4.25 |
| 1975...... | 163.53 | 36.1 | 4.53 | 249.31 | 41.9 | 5.95 | 266.08 | 36.4 | 7.31 | 190.79 | 39.5 | 4.83 | 4.67 |
| 1976. | 175.45 | 36.1 | 4.86 | 273.90 | 42.4 | 6.46 | 283.73 | 36.8 | 7.71 | 209. 32 | 40.1 | 5.22 | 5.02 |
| 1977. | 189.60 | 36.0 | 5.25 | 301.20 | 43.4 | 6.94 | 295.65 | 36.5 | 8.10 | 228.90 | 40.3 | 5.68 | 5.44 |
| 197E.. | $2 \mathrm{C3.70}$ | 35.8 | 5.69 | 332.11 | 43.3 | 7.67 | 218.32 | 36.8 | E. 65 | 249.27 | 40.4 | 6.17 | 5.91 |
| 1979...... | 219.91 | 35.7 | t. 16 | 364.64 | 43.0 | 8.48 | 341.69 | 36.9 | 9.26 | 268.54 | 49.2 | 6.69 | 6.42 |
| 19798 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FEB..... | 212.40 | 35.4 35.7 | E.00 | 34 S .75 | 42.6 | E. 21 | 315.31 | 35.4 | 9.02 | 262.10 | 40.2 | E. 52 | 6.25 |
| MAR..... | 214.91 | 35.7 | 6.02 | 354.78 | 42.9 | 8.27 | 331.89 | $37 . \mathrm{C}$ | 8. 97 | 266. 34 | 40.6 | 6.56 | 6.28 |
| APR ..... | 211.65 | 35.1 | t. 0.0 | 362. 60 | 42.6 | 8.54 | 320.21 | 35.5 | 5.02 | 254.41 | 38.9 | E.E4 | 6.34 |
| MAY..... | 216.20 | 35.5 | E.0s | 361.66 | 42.8 | 8.45 | 340.01 | 37.2 | 5.14 | 265.86 | 40.1 | 6.63 | 6.36 |
| JUN..... | 219.71 | 35. 5 | 6.12 | 367.62 | 43.3 | 8.49 | 346.03 | 37.9 | 5.12 | 269.06 | 40.4 | $6.6 \in$ | 6.39 |
| JUL . . . . . | 221.76 | 36.9 | $t \cdot 1 \epsilon$ | 355.28 | 41.7 | E. 52 | 348.35 | 37.7 | 9.24 | 267.73 | 39.9 | 6.71 | 6.45 |
| AUG.. | 222.84 | 36.0 | 6.19 | 365.49 | 43.1 | 8.48 | 354.16 | 32.6 | S. 32 | 267.60 | 40.c | 6.65 | 6.42 |
| SEPT. | 22E.90 | 35.8 | t. 31 | 372.60 | 43.5 | 8.57 | 360.43 | 37.9 | 5.51 | 274.04 | 40.3 | c.en | 6.51 |
| пСт. | 225.62 | 35.7 | t. 32 | 374.51 | 43.7 | E. 57 | 356.82 | 37.6 | 5.45 | 274.85 | 40.3 | 6.82 | 6.54 |
| NCV.. | 226.06 | 35.6 | 6.35 | 380.19 | 43.7 | 8.70 | 344.75 | 36.5 | 9.59 | 277.14 | 40.4 | 6. $6 \in$ | 6.59 |
| DEC..... | 229.40 | 35.9 | 6.35 | 3E2. 25 | 43.5 | E. 73 | 355.c5 | 37.1 | 9.57 | 285.07 | 40.5 | 6.57 | 6.69 |
| $1986:$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JAN.P . . | $\begin{aligned} & 225.34 \\ & 226.75 \\ & \hline \end{aligned}$ | 35.1 35.1 | $6.42$ $\text { E. } 4 t$ | $\begin{array}{r} 383.18 \\ 3 E Z .12 \\ \hline \end{array}$ | $\begin{aligned} & 43.2 \\ & 43.0 \end{aligned}$ | E. 67 $8 . c 1$ | $\begin{array}{r} 331.20 \\ 341.87 \\ \hline \end{array}$ | 34.9 35.5 | ¢. 49 9.63 | $\begin{aligned} & 276,61 \\ & 277.11 \end{aligned}$ | 39.8 39.7 | 6.95 $\epsilon .98$ | $6.70$ |
| 1959.2.... | Transportation and public utilities |  |  | Wholescle and retail trade |  |  | Finance, insurance, and read entate |  |  | Servicas |  |  |  |
|  |  |  |  | \$64.41 38.8 ( 1.66 |  |  | \$ 72.74 | 37.3 | \$1.95 | $\cdots \quad-\quad-$ |  |  |  |
| 1960...... | - | - | - | 66.01 | 38.6 | 1.71 | 75.14 | 37.2 | 2.02 | - | - | - |  |
| 1961. | - | - | - | 67.41 | 38.3 | 1.76 | 77.12 | 36.9 | 2.09 | - | - | - |  |
| 1962... | - | - | - | 69.91 | 38.2 | 1.83 | 80.94 | 37.3 | 2.17 | - | - | - |  |
| 1963...... | 110.70 | - 1 | - | 72.01 | 38.1 | 1.89 | 84.38 | 37.5 | 2.25 | -70.03 | - 1 | - |  |
| 1964...... | \$118.78 | 41.1 | \$2.89 | 74.66 | 37.9 | 1.97 | 85.79 | 37.3 | 2.30 | \$ 70.03 | 36.1 | \$1.94 |  |
| 1965...... | 125.14 | 41.3 | 3.03 | 76.91 | 37.7 | 2.04 | 88.91 | 37.2 | 2.39 | 73.60 | 35.9 | 2.05 |  |
| 1966...... | 128.13 | 41.2 | 3.11 | 79.39 | 37.1 | 2. 14 | 92.13 | 37.3 | 2.47 | 77.04 | 35.5 | 2.17 |  |
| 1967...... | 130.82 | 40.5 | 3.23 | 82.35 | 36.6 | 2.25 | 95.72 | 37.1 | 2.58 | 80.38 | 35.1 | 2.29 |  |
| 1968. | 138.85 | 40.6 | 3.42 | 87.00 | 36.1 35.7 | 2.41 | 101.75 | 37.0 | 2.75 | 83.97 | 34.7 | 2.42 |  |
| 1969.. | 147.74 | 40.7 | 3.63 | 91.39 | 35.7 | 2.56 | 108.70 | 37.1 | 2.93 | 90.57 | 34.7 | 2.61 |  |
| 1970...... | 155.93 | 40.5 | 3.85 | 96.02 | 35.3 | 2.72 | 112.67 | 36.7 | 3.07 | 96.66 | 34.4 | 2.81 |  |
| 1971...... | 168.82 | 40.1 | 4.21 | 101.09 | 35.1 | 2.88 | 117.85 | 36.6 | 3.22 | 103.06 | 33.9 |  |  |
| 1972. | 187. 66 | 40.4 | 4.65 | 106.45 | 34.9 | 3.05 | 122.98 | 36.6 | 3.36 | 110.85 | 33.9 | 3.27 |  |
| 1973..... | 203. 31 | 40.5 | 5.02 | 111.76 | 34.6 | 3.23 | 129.20 | 36.6 | 3.53 | 117.29 | 33.8 | 3.47 |  |
| 1974...... | 217.48 | 40.2 | 5.41 | 119.02 | 34.2 | 3.48 | 137.61 | 36. 5 | 3.77 | 126.00 | 33.6 | 3.75 |  |
| 1975...... | 233.44 | 39.7 | 5.88 | 126.45 | 33.9 | 3.73 | 148.19 | 36.5 | 4.06 | 134.67 | 33.5 | 4.02 |  |
| 1976...... | 256.71 | 39.8 | 6.45 | 133.79 | 33.7 | 3.97 | 155.43 | 36.4 | 4.27 | 143.52 | 33.3 | 4.31 |  |
| 1977...... | 278.90 | 39.9 | 6.99 | 142.52 | 33.3 | 4.28 | 165.26 | 36.4 | 4.54 | 153.45 | 33.0 | 4.65 |  |
| 1978..... | 302.80 | 39.9 | 8.18 | 152.64164.96 | 32.9 | 5.66 | 178.36191.66 | 36.4 | 4.90 | 163.67 |  | 4.595.36 |  |
| 1979...... | 326.38 |  |  |  | 32.6 |  |  | 36.2 | 5.28 | 175.27 | 32.7 |  |  |
| FEB..... | 316.01 | 39.9 | 7.92 | 159.54 | 32.1 | 4.97 | 188.92 | 36.4 | 5.19 | 170.75 | 32.4 | 5.27 |  |
| vap..... | 314.42 | 35.8 | 7.90 | $1 \in 1.35$ | 32.4 | 4.98 | 187.31 | 36.3 | 5.16 | 171.48 | 32.6 | 5.26 |  |
| APR..... | 307.32 | 39.0 | 7.88 | 162.50 | 32.5 | E.CC | 190.37 | 36.4 | 5.23 | 171.93 | 32.5 | 5.25 |  |
| MAY..... | 314.42 | 35.6 | 7.94 | 162.00 | 32.4 | 5.09 | 188.44 | 36.1 | 5.22 | 171.28 | 32.5 | 5.27 |  |
| JUn..... | 321.20 | 40.0 | 8.03 | 165.16 | 32.5 | 5.62 | 189.56 | 36.2 | 5.22 | 173.38 | 32.9 | 5.27 |  |
| JUL..... | 327.60 | 40.0 | 8.19 | 168.17 | 33.3 | 5.05 | 192.56 | 36.4 | 5.29 | 176.16 | 33.3 | 5.25 |  |
| AUG.....- | 335.39 | 40.3 | ¢. 32 | 167.95 | 33.2 | 5.06 | 191.50 | 36.2 | 5.29 | 175.96 | 32.2 | 5.30 |  |
| SEPT.... | 337.16 | 39.9 | 8.45 | 167.75 | 32.7 | 5.13 | 195.25 | 36.3 | 5.38 | 178.22 | 32.7 | 5.45 |  |
| OCT..... | 337.16 | 39.9 | 8.45 | 167. 38 | 32.5 | 5.15 | 194.93 | 36.3 | E. $\ddagger 7$ | 178.65 | 32.6 | 5.48 |  |
| ACV..... | 342.50 | 40.2 | $\varepsilon .52$ | 167.83 | 22.4 | $5.1 \varepsilon$ | 157.25 | 36.4 | 5.42 | 18 C .60 | 32.6 | 5.54 |  |
| DEC..... | 342.00 | 40.0 | 8.55 | 170.42 | 32.9 | 5.18 | 199.84 | 36.4 | 5.49 | 183.68 | 32.E | 5.6 C |  |
| 18tas |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JAN.P .. | 335.62 | 39.3 | 8.54 | 1ec.el | 31.8 | 5.34 | 202.19 | 36.3 | E. 57 | 183.63 | 32.5 | E.tE |  |
| FEE.P.. | 336.80 | 39.3 | 8.57 | 170.45 | 31.8 | E.Et | $2 \mathrm{C3.64}$ | 36. | E. 61 | 184.60 | 32.5 | 5.68 |  |

'For coverage of series, see footnote 1, uble 8.2.
2Data include Aleska and Haweii beginning 1959.
$p=$ preliminary.

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


C-2. Orose houre and earminge of produotion or nonsupervieory workere' on private nonagricultural payrolle by Induatry-Continued


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

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Induritry | Average wookly earninge |  |  |  |  | Average hourly aerninge |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1580 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1 \text { S } \end{aligned}$ | $\begin{aligned} & \mathrm{JAN} \cdot \\ & 1 \varsigma 7 ¢ \end{aligned}$ | $\begin{aligned} & C E G \\ & 1 \subseteq 7 S \end{aligned}$ | JAN． $1589 \mathrm{p}$ | $\begin{aligned} & \text { FEP. } \\ & 1980 \mathrm{p} \end{aligned}$ |
| 32 | STO | \＄2E3．8t | \＄2t6．05 | \＄296．78 | \＄283．11 | \＄283．69 | \＄6．84 | \＄ 6.57 | \＄7．1C | \＄7．06 | \＄7．11 |
| 321 | Flat glass | 368．51 | 34C．57 | E58． $3 t$ | 3E6．ES | － | 8.61 | 8.31 | 9.20 | 9.03 |  |
| 322 | Glass and glassware，pressed or biown | 287.74 | 277.26 | 3.01 .51 | 296.80 | － | 7.14 | $\epsilon \cdot \varepsilon \varepsilon$ | 7.35 | 7.42 |  |
| 3221 | Glass containers ．．．．．．．．．．．．． | $301.6 t$ | 2¢C．${ }^{26}$ | 212．77 | 3 CE .00 | － | 7.43 | 7.10 | 7.61 | 7.65 |  |
| 3229 | Pressed and blown glass，nec | 270.40 | 260.57 | 287.24 | 2¢5．51 | － | 6.76 | $t-E \varepsilon$ | 7.11 | 7.13 |  |
| 323 | Products of purchased glass ．．． | 256.07 | 272.48 | 276.87 | 259.69 | － | 6.37 | C．${ }^{\text {c }}$ | C． 5 | t．4t |  |
| 324 | Cement，hydraulic ．．．．．． | 405.07 | 252．21 | 414.4 C | 412.44 | － | 9.58 | 9.10 | 9.82 | 9.82 |  |
| 325 | Structural clay products | 228.25 | 214.93. | 236.65 | 232.92 | － | 5.54 | E． 32 | ¢．73 | 5.78 |  |
| 328 | Pottery and related products | 219.74 | 214．63 | $22 \mathrm{S.c1}$ | 233.22 | － | 5.62 | 5.46 | 5.85 | 5.98 |  |
| 327 | Concrete，gypsum，and plaster products | 291.90 | 245.99 | 301.04 | 276.87 | － | 6.82 | E． 34 | 7.16 | 6.91 |  |
| 3271 | Concrete block and brick ．．．．．．．． | 275.5 C | 230.25 | 286.67 | 255.84 | － | 6.29 | 5.52 | E． 5 E | 6.38 |  |
| 3272 | Concrete products，nec | 253.12 | 225．37 | 265． 23 | $2 E C .57$ |  | 6.07 | 5.72 | 6.33 | 6.28 |  |
| 3273 | Ready－mixed concrete | 320.68 | 254.80 | 324.90 | 277.45 | － | 7.51 | 7．0C | 7.81 | 7.56 | － |
| 329 | Misc．nonmetallic mineral products | 285．34 | 277．25 | $3 \mathrm{C2.03}$ | 254．94 | － | 6.81 | 6.57 | 7.09 | 7.09 |  |
| 3291 | Abrasive products | 270.25 | 264.62 | 292.16 | 2¢ ¢．7E | － | 6.64 | 6.407 | 7． 64 | 7．06 | － |
| 3292 | Asbestos products | 251.21 | 253．23 | 350.24 | 295.07 | － | 6.95 | E． 71 | 7.2 C | 7.11 | － |
| 33 | PRIMAR Y METAL INDUSTRIES | 371.36 | $363.7 t$ | 379.55 | 375．5t | 378.68 | 8.57 | E．te | 5.28 | 5.26 | 9.35 |
| 331 | Blast furnace and basic steel products | 429.39 | 417.21 | 426.80 | 430.24 | － | 10.42 | 9.51 | $10.8 \epsilon$ | 10.81 | － |
| 3312 | Blast furnaces and steel mills ．．．． | 442.65 | $4 \equiv 1.1 \mathrm{C}$ | 438．C1 | 448.01 | － | 10.77 | 1 C .24 | $11.2 \epsilon$ | 11.19 | － |
| 3317 | Steel pipe and tubes | 344.84 | 323.66 | 253．01 | 357.88 | － | 8． 37 | $\varepsilon \cdot C 4$ | $\varepsilon . \epsilon \in$ | 8.75 |  |
| 332 | Iron and steel foundries | 316.52 | 219.35 | $33 \mathrm{C}$. | 319.84 | － | 7.72 | 7.64 | 7.88 | 7.82 |  |
| 3321 | Gray iron foundries ． | 319.90 | 325.64 | 231.14 | 314.38 | － | $7.8 t$ | 7.63 | 7.96 | 7.84 | － |
| 3322 | Malleable iron foundries | 333.6 \％ | 327.0 C | 35C．5s | 343.71 | － | 8.32 | $8 . ¢ ¢$ | £．54 | 8.55 | － |
| 3325 | Steel foundries，nec | 314.07 | 2st．cc | 532.12 | 2ミ2．35 | － | 7.46 | 7.12 | 7.76 | 7.73 | － |
| 333 | Primary nonferrous metals | 356.15 | 378.42 | 414.66 | 420.75 | － | S．EC | ¢．C1 | ${ }_{5}^{5} .56$ | 10.09 | － |
| 3334 | Primary aluminum | 415.11 | 2¢5．E2 | 431.72 | $4 \equiv 6.85$ | － | 10.1 C | 9.60 | 10.52 | 10.63 |  |
| 335 | Nonferrous roiling and drawing | 338.18 | 329.51 | 263.25 | 354.43 | － | 7.52 | 7． 61 | 8．35 | 8.32 | － |
| 3351 | Copper rolling and drawing | 311.75 | \＃12．13 | 313.22 | 314.50 | － | 7.25 | 7.11 | 7.44 | 7．59 | － |
| 3353 | Aluminum sheet，plate，and foil | 412.14 | $3 ¢ 1.78$ | 43 E .4 E | 423.42 | － | 9.62 | $5 . C 5$ | 1 COE | 9.87 |  |
| 3357 | Nonferrous wire drawing and insulating | 312.28 | 311.76 | 338.34 | $33 \in .26$ | － | 7.40 | 7.2 C | 7.85 | 7.82 | － |
| 336 | Nonferrous toundries | 265．75 | $2 \in E . E \in$ | $2 \mathrm{E2.21}$ | 275．77 | － | 6.66 | 6.51 | 6.90 | 6.86 | － |
| 3361 | Aluminum foundries | 279.73 | 282．く0 | 285．64 | 2E1．1E | － | 6．ES | $\epsilon . E C$ | 7.03 | 6.56 | － |
| 34 | FABRICATED METAL PRODUCTS | 278．2t | ztS．ż | 258． 32 | $2 E t .64$ | 287．65 | 6.82 | 6.60 | 7.12 | 7.06 | 7.12 |
| 341 | Metal cans and shipping containers | 391.15 | 356.17 | 416.14 | $4 \mathrm{CC.2C}$ | － | 8． 51 | 8.44 | 5.21 | 9.20 | － |
| 3411 | Metal cans ．．．．．．．．．．．．．．． | $4 C 4.22$ | zet． 27 | 431.45 | 411.55 | － | 9.21 | 9.70 | $5 . \in 1$ | 5.47 | － |
| 342 | Cutlery，hand tools，and hardware | 260.55 | 25c．4C | 275．7t | 265.45 | － | 6.53 | 6.31 | 6.84 | 6.77 | － |
| 3423， 5 | Hand and edge tools，and hand saws and blades．． | 256.54 | 247.44 | 275.22 | 266.52 | － | 6.36 | C． 14 | C．EE | 6.64 | － |
| 3429 | Hardware，nec ．．．．．．．．．．．．．．．．．．．．．．．．． | 266.74 | 2：5．E4 | 285．53 | 274.21 | － | 6.77 | 6.54 | 7.06 | 6.98 | － |
| 343 | Plumbing and heating，except electric | 239.99 | 230.62 | 261.45 | $257.6 E$ | － | 6.13 | E．7t | $t .20$ | 6.41 | － |
| 3432 | Plumbing fittings and brass goods． | 234．58 | 222－Ef | 253.15 | 254.61 | － | 5.83 | $5 . \in C$ | G－1C | 6.21 | － |
| 3433 | Heating equipment，except electric | 225.51 | ¢24．3t | 246.64 | 241.57 | － | 5．¢C | $5 . \epsilon \in$ | 6.06 | 6.21 | － |
| 344 | Fabricated structural metal products | 265.32 | 249.48 | 290.51 | 279.29 | － | 6.40 | ¢．EO | C．SE | E．95 |  |
| 3441 | Fabricated structural metal ．．．． | 28E．4E | $2 t C . E 3$ | E11．1c | 2¢5．57 | － | 6.98 | 6.57 | 7.32 | 7.28 | － |
| 3442 | Metal doors，sash，and trim | 208.15 | 191.74 | 227.25 | 224.83 | － | 5.31 | 5.10 | E．t4 | 5.75 | － |
| 3443 | Fabricated plate work（boiler shops） | 254．75 | $27 E \cdot E 4$ | $332 \cdot 67$ | 318.44 | － | 7.15 | E．EE | 7.63 | 7.60 | － |
| 3444 | Sheet metal work ．．．．．．．．．．．． | 264.13 | 252．55 | 278．55 | 272.74 | － | 6.67 | 6.41 | 6.53 | 6.94 | － |
| 3446 | Architectural metal work | 250.11 | 246.64 | 263.22 | 253.05 | － | 6.30 | 6.12 | 6.42 | 6.44 | － |
| 345 | Screw machine products，bolts，etc． | 272.76 | 265：三三 | 286．09 | 2EC．SC | － | 6.44 | 6.22 | 6.70 | 6.72 | － |
| 3451 | Screw machine products ．．．． | 252.00 | 245.92 | 265.59 | 261．25 | － | 6． 6 Cl | E．EO | E． 22 | 6.25 | － |
| 3452 | Bolts，nuts，rivets，and washers | 255．15 | 251．54 | $3 \mathrm{C6} .72$ | 301.80 | － | 6.88 | E．t2 | 7.2 C | 7.22 | － |
| 346 | Metal forgings and stampings ．．． | $317 . \varepsilon 7$ | 322．7C | ミड5． $5 ¢$ | 316.36 | － | 7．81 | 7.72 | 8.15 | 7.85 | － |
| 3462 | Iron and steel forgings ．． | 338.18 | 358.25 | 357.14 | 357.38 | － | 8.54 | 8．E¢ | E．E4 | 8.85 | － |
| 3465 | Automotive stampings | 284．24 | 3 3 ¢C． 27 | 418.62 | 375.25 | － | 9.42 | 9.27 | 9.85 | 9.52 | － |
| 3469 | Metal stampings，nec | 246.63 | 239.61 | 264.35 | 256.54 | － | 6．C3 | $5 \cdot \varepsilon \leq$ | t． 21 | 6.35 | － |
| 347 | Metal services，nec | 222.82 | $216.2 ¢$ | 235.58 | 232.62 <br> 224.58 | － | 5.54 | 5.38 | E．${ }_{5}$ ¢ 6 | 5.83 | － |
| 3471 | Plating and polishing ．．．．．．．． | 215．2C | 207． 264 | 228.48 251.32 | $224.5 \varepsilon$ 250.51 | － | 5． 38 | 5.21 | 5.6 C | 5.70 | － |
| 3479 | Metal coating and allied services | 241．84 | 237.72 | 251.32 | 250.51 251.52 | － | 5.87 | 5.77 | ¢． 16 7.05 | 6． 711 | － |
| 348 | Ordnance and accessories，nec ．．．．．．．． | 272.77 | 261．2c | 255．4C | 251．52 | － | 6.71 | 6.47 | 7.05 | 7.12 6.62 | － |
| 3483 | Ammunition，exc．for small arms，nec | 245.16 | 238.51 | 266.18 | 268.11 | － | 6.34 | 6.10 | 6.54 | 6.62 | － |
| 349 | Misc．fabricated metal products | 264． 66 | 256.32 | 286.78 | 277.65 258.75 | － | 6.46 | 6.27 | 6.78 7.72 | 6.74 | － |
| 3494 | Valves and pipe fittings ．．．．． | 284.54 | 275．64 | 214.07 250.98 | 2¢8．75 | － | 6.64 | $t, t 1$ | 7.22 | 7.13 | － |
| 3496 | Misc．fabricated wire products ．．．．．．．．．．．．．． | 232．64 | 285．5！ | 250.58 | 240.98 | － | 5.73 | E．t4 | S．5s | 5．95 | － |
| 35 | MACHINERY，EXCEPT ELECTRICAL | 306.39 | 298.91 | 227.42 | $31 \in .3 C$ | 217.54 | 7.32 | 7.16 | 7．EE | 7.64 | 7.67 |
| 351 | Engines and turbines | 35.8 .34 | 254．Ce | 365.87 | 367.32 | － | 8.74 | 8.35 | C． 11 | 9.16 | － |
| 3511 | Turbines and turbine generator sets | 317.21 | $314.2 \epsilon$ | $346 . C 5$ | $34 \mathrm{C}$. | － | 7．¢ 7 | 7.76 | 8.38 | 8.46 | － |
| 3519 | Internal combustion engines，nec | 370.46 | 366.37 | 377.74 | 374.80 | － | 8.57 | E．EE | 9.35 | S． 37 | － |
| 352 | Farm and garden machinery ．．．．．．．．．．．．．．．． | 327.22 | इ1E．57 | E75．65 | $3 \pm 1.3 \mathrm{C}$ | － | 8.01 | 7.77 | 8.57 | 8.14 8.37 | － |
| 3523 | Farm machinery and equipment ．．．．．．．．．．． | 351.02 | 330.84 | 397.53 | 344.01 | － | 8.24 | 9．62 | 8． 81 | 8.37 | － |
| 353 | Construction and related machinery ．．．．．．．．．．．． | 324．52 | 21 Cc C3 | 231.47 | 33 C .06 | － | 7.82 | 7.56 | 7.53 | 8.07 | － |

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

|  | Industry | Aversge weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { SIC } \\ & \text { Code } \end{aligned}$ |  | $\begin{aligned} & A V E \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JAA. } \\ & 197 \mathrm{~S} \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1 \text { ¢7 } \end{aligned}$ | $\begin{aligned} & \text { J AN } \\ & 1 \text { S8O p } \end{aligned}$ | $\begin{aligned} & \text { FEB } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 197 \mathrm{~S} \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980^{p} \end{aligned}$ | $\begin{aligned} & \text { FEE. } \\ & 1980 \mathrm{p} \end{aligned}$ |
| 32 | STONE CLAY AND GLASS PRODUCTS | 41.5 | 4．0． | 41．e | $4 \mathrm{C}$. | 35.5 | 4.5 | 4.1 | 4.1 | 3.5 | － |
| 321 | Flat glass | 42.8 | 47.0 | 43.3 | 39.5 | － | 4.7 | 7.2 | 3.7 | 3.2 |  |
| 322 | Glass and glassware，pressed or blown | 40.3 | 40.2 | 40.8 | 40.0 | － | 4.1 | 4.1 | 2．c | 3.7 |  |
| 3221 | Glass containers． | $40 . t$ | 4 C .5 | 41.1 | 4C．C | － | 4.5 | 4.7 | 4.3 | 4.0 | － |
| 3229 | Pressed and blown glass，nec | 40.0 | 35.6 | 40.4 | 40.1 | － | 3.5 | E． 2 | 3.5 | 3.3 | － |
| 323 | Products of purchased glass ． | 40.2 | 41.6 | 42.4 | 40.2 | － | 3.3 | 4.6 | 3.5 | 2.5 | － |
| 324 | Cement，hydraulic | 42.7 | 43.1 | 42.2 | 42．C | － | 4.4 | 4.7 | 4．C | 3.8 |  |
| 325 | Structural clay products | 41.2 | 40.4 | 41.3 | 40.3 | － | 4.1 | $3 . \varepsilon$ | 2．ع | 3.4 | － |
| 326 | Pottery and related products | 39.1 | Es． 2 | 35.3 | ES．C | － | 2.4 | 2.4 | 2.3 | 2.2 | － |
| 327 | Concrete，gypsum，and plaster products | $42 . \mathrm{E}$ | 38.8 | 42.4 | 39.2 | － | t． 1 | 4.3 | 5.1 | 4.1 | － |
| 3271 | Concrete block and brick ．．．．．．．．． | $43 . E$ | ミع．¢ | 43.5 | $4 \mathrm{C}$. | － | 6.5 | 4.7 | 5.4 | 4.1 | － |
| 3272 | Concrete products，nec | 41.7 | 35.4 | 41.5 | $3 \mathrm{cc.s}$ | － | $5 . C$ | 3.5 | 4.4 | 3.8 | － |
| 3273 | Ready－mixed concrete | 42.7 | 36.4 | 41.6 | 36.7 | － | 6.4 | $2 . t$ | 4.5 | 3.4 |  |
| 329 | Misc．nonmetallic mineral products | 41.5 | $42 . \overline{2}$ | 42.6 | $41 . t$ | － | 4.2 | 4.3 | 4.1 | 3.7 | － |
| 3291 | Abrasive products | 40.7 | 40.5 | 41.5 | 40.9 | － | 3.4 | 2．t | 2.6 | 3.4 | － |
| 3292 | Asbestos products | 41． 5 | 4シ，i | 41.7 | 41.5 | － | 3.3 | 4.0 | 3.5 | 3.6 | － |
| 33 | PRIMARY METAL INDUSTRIES | 41.4 | 42.2 | 49.5 | 40.6 | 40.5 | 3.5 | 4.2 | E．4 | 3.2 | － |
| 331 | Blast furnace and basic steel products | 41.2 | 42.1 | 35．3 | Ec．$\varepsilon$ | － | 3.4 | 3.8 | 2.5 | 2.4 | － |
| 3312 | Blast furnaces and steel mills | 41.1 | 42.1 | 32.5 | $3 \mathrm{C}$. | － | 3.3 | $E .7$ | く，三 | 2.2 |  |
| 3317 | Steel pipe and tubes | 41.2 | 41.5 | $4 \mathrm{C.S}$ | $4 C .9$ | $\cdots$ | $3 . t$ | 4.6 | z．E | 2.7 | － |
| 332 | Iron and steel foundries | 41.0 | 41.8 | $42 . C$ | $4 C .5$ | － | 3.5 | $4 . \varepsilon$ | $3 \cdot \epsilon$ | 3.4 | － |
| 3321 | Gray iron foundries | 40.7 | $4 \hat{6.1}$ | 41.6 | 40.1 | － | 3.8 | $\underline{\varepsilon} .1$ | 3.1 | 2.5 | － |
| 3322 | Malleable iron foundries | 40.1 | $4 C .7$ | 41.1 | $4 \mathrm{C}$. | － | 3.5 | 4.6 － | 3.7 | 3.6 | － |
| 3325 | Steel foundries，nec． | 42.1 | 41.7 | $42 . \varepsilon$ | $42 . C$ | － | 4.4 | 4.1 | $4 . t$ | 4.3 | － |
| 333 | Primary nonterrous metals | 41.7 | 42.6 | $41 . \varepsilon$ | 41.7 | － | 4.0 | 3.7 | $2 \cdot \varepsilon$ | 3.9 | － |
| 3334 | Primary aluminum | 41.1 | 41.2 | 41．C | 41.1 | － | 4.0 | 3.7 | 3.8 | 3.7 | － |
| 335 | Nonferrous rolling and drawing | 42.7 | 42.2 | 43.3 | 42.6 | － | 5.2 | E．t | $5 \cdot 2$ | 4.8 | $\rightarrow$ |
| 3351 | Copper rolling and drawing | 43.0 | $4 \% .5$ | 42.1 | 41.7 | － | 5.6 | 6.4 | 5.2 | 4.7 | － |
| 3353 | Aluminum sheet，plate and foil | 42.8 | 43.1 | 43.5 | 42.5 | － | 6.7 | E． 4 | E． 3 | 5.8 | － |
| 3357 | Nonferrous wire drawing and insulating | 42.2 | 42.2 | 43.1 | 43.0 | － | 4.5 | s． 1 | 4.5 | 4.5 | － |
| 336 | Nonterrous foundries ．．．．．．．．．．．．．．． | 40.5 | 41.3 | 4 C .5 | $4 \mathrm{C}$. | － | 3.3 | 4.6 | 3．C | 3.1 | － |
| 3361 | Aluminum foundries | 40.6 | 41.5 | 41.2 | 40.4 | － | 3.5 | 4.6 | 2.4 | 3.4 | － |
| 34 | FABRICATED METAL PRODUCTS | 40.8 | $4 C \cdot \varepsilon$ | 41.5 | $4 C . t$ | 4C． 4 | 3.4 | E．t | 3.6 | 3.1 | － |
| $341$ | Metal cans and shipping containers ．．．．．． | 43.5 | 42.2 | 44.7 | 43.5 | － | 5.1 | 4.1 | 4.5 | 5.2 | ＝ |
| 3411 | Metal cans ．．．．．．．．．．．．．．．．．．．．． | 42.5 | $42 \cdot 1$ | 44.5 | $4 \sum .5$ | － | 4.9 | 3.8 | 4.8 | 5.1 | － |
| 342 | Cutlery，hand tools，and hardware ．．．．．．．．． | 39.9 | 40.0 | 40.5 | 2¢． 6 | － | 2．$\%$ | 3.1 | 3.0 | 2.6 | － |
| 3423， 5 | Hand and edge tools，and hand saws and blades | 40.4 | 4C．E | 41.2 | 40.2 | － | 3.1 | 3.4 | 2.2 | 2.5 | － |
| 3429 | Hardware，nec ．．．．．．．．．．．．．．．．．．．．．． | 39.4 | E¢． 7 | 4 C .5 | 3 CH 3 | － | 2.5 | 2.5 | 2.5 | 2.1 | － |
| 343 | Plumbing and heating，excépt electric | 35.8 | 35.5 | 41.5 | $40 \cdot 2$ | － | $2 . \varepsilon$ | E．0 | E．t | 3.2 | － |
| 3432 | Plumbing fittings and brass goods． | 40.2 | $\underline{2 C . E}$ | 41.5 | 41.6 | － | 2.9 | 3.0 | 3.5 | 3.3 | － |
| 3433 | Heating equipment，except electric | 38.9 | 29.5 | 40.7 | ze．s | － | 2.4 | 2.5 | 3.4 | 2.7 | － |
| 344 | Fabricated structural metal products ．．．．． | 40.6 | 3¢．t | 41.8 | 40.2 | － | 2.0 | $2 . t$ | E．t | 2.8 | － |
| 3441 | Fabricated structural metal ．．．． | 40.5 | ミ¢．7 | 42.5 | 4C．t | － | 3.6 | E． 2 | 4．C | 3.4 | － |
| 3442 | Metal doors，sash，and trim | 39.2 | 37.6 | 43.3 | 39.1 | － | 2.4 | 1.5 | こ．C | 2.3 | － |
| 3443 | Fabricated plate work（boiler shops） | $41 . \mathrm{C}$ | 4C． 5 | $42 . t$ | 41.5 | － | 2.9 | 2.4 | 4.0 | 2.9 | － |
| 3444 | Sheet metal work | 39.6 | 39.4 | 40.2 | 2¢． 3 | － | $3 . C$ | 2.6 | 三． 1 | 2.8 | － |
| 3446 | Architectural metal work | 39.7 | 4C． 2 | 41.6 | 35.3 | － | $2 \cdot 3$ | $2 \cdot 1$ | 3.5 | 2.3 | － |
| 345 | Screw machine products，bolts，etc． | 42.5 | 43.2 | 42.7 | $41 . \varepsilon$ | － | 4.7 | ¢．${ }^{\text {c }}$ | $4 . t$ | 4.2 | － |
| 3451 | Screw machine products ．．．．． | 42． C | 42.4 | 42.7 | 41.8 | $\rightarrow$ | 4.5 | 5.3 | E． $\bar{z}$ | 4.6 | － |
| 3452 | Bolts，nuts，rivets，and washers | 42.5 | 44.1 | $42 . t$ | $41 . E$ | － | 4.6 | 5.3 | 4.0 | 3.8 | － |
| 346 | Metal forgings and stampings | 40.7 | 41.8 | 41.5 | 4 C .2 | － | 3．E | 4.8 | 三． $\mathbf{z}$ | 3.1 | － |
| 3462 | Iron and steel forgings ． | 35.6 | 42.7 | $4 C .4$ | 40.2 | － | 4.1 | E． 7 | 3.6 | 3.8 | － |
| 3465 | Automotive stampings． | $40 . E$ | 42.1 | 42.5 | ES．$\varepsilon$ | － | 3.9 | E． 5 | 1.8 | $2 \cdot 3$ | － |
| 3469 | Metal stampings，nec ． | 49.5 | 41.1 | 41.9 | 40.4 | － | 3.5 | $2 \cdot 5$ | 3.7 | 3.1 | － |
| 347 | Metal services，nec ．．．． | 40.4 | $4 C .2$ | $4 \mathrm{C.S}$ | ミ9．9 | － | 3.6 | 3.5 | 3.9 | 3.5 | － |
| 3471 | Plating and polishing | 40.0 | 39.8 | $40 . \varepsilon$ | 25.4 | － | 2.2 | 3.2 | 3.5 | 3.0 | － |
| 3479 | Metal coating and allied services | 41.2 | 41.2 | 41.2 | 41.0 | － | 4.2 | $4 \cdot 3$ | 4.7 | 4.6 | － |
| 348 | Ordnance and accessories，nec ．．．． | 40.2 | $4 \mathrm{C.4}$ | 41.5 | 41.0 | － | 2.7 | 2.6 | 3.1 | 2.5 | － |
| 3483 | Ammunition，exc．for small arms，nec．．． | 39.3 | 35.1 | 40.7 | 40.5 | － | 1． 5 | 1.7 | 2． 1 | 1.6 | － |
| 349 | Misc．fabricated metal products | $41 . \mathrm{C}$ | 41.2 | 42.3 | 41.2 | － | 3.3 | 3.6 | 3.7 | 2.9 | － |
| 3494 | Valves and pipe firtings ．．．．． | 41.6 | 41.7 | 43.5 | 41.5 | $=$ | 3.6 | 3.9 | 4.6 | 3.1 | － |
| 3496 | Misc．fabricated wire products | 40.6 | 40.7 | 41.9 | 40.5 | － | 3.2 | 2.6 | 3.2 | 2.9 | － |
| 35 | MACHINERY，EXCEPT ELECTRICAL | 41.8 | 42.1 | 42.8 | 41.4 | 41.4 | $4 . C$ | 4.4 | 4.5 | 3.8 | － |
| 351 | Engines and turbines ．．．．．．．．．．．．． | 41.0 | 42.2 | $4 \mathrm{C.t}$ | 40.1 | － | 3.5 | 4.2 | 三． 5 | 3.0 | － |
| 3511 | Turbines and turbine generator sets | 3 S ． E | 4 C .5 | 41.3 | $4 \mathrm{C}$. | ＿ | 3.7 | $3 . \varepsilon$ | 4.7 | 3.2 | － |
| 3519 | Internal combustion engines，nec | 41.3 | 42.7 | 40.4 | 40.0 | － | 3.5 | 4.3 | 3.1 | 2.9 | － |
| 352 | Farm and garden machinery ． | $4 \bar{z} \cdot 1$ | 41．c | 44：3 | $4 \mathrm{C}$. | － | 4.6 | 4.8 | 4.6 | 3.7 | － |
| 3523 | Farmmachinery and equipment | 42.6 | 41.2 |  | $41.1$ |  | 4.5 |  |  |  |  |
| 353 | Construction and related machinery ．．．．．．．． | 41.5 | 42.2 | 41.8 | 40.9 | － | 3.4 | シ． 8 | 4.1 | 3.0 | － |

## ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earninge of production or nonsupervisory workere' on private nonagrlcultural payrolle by Industry - Continued


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


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

|  | Industry | Average weokly earning |  |  |  |  | Average hourly earming |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { SIC } \\ \text { code } \end{gathered}$ |  | $\begin{aligned} & \text { AVE. } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1 \subseteq 7 \end{aligned}$ | $\begin{aligned} & \text { CEC. } \\ & 1575 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { FEB } \\ & 158 C^{\circ} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \text { P } \end{aligned}$ | FEB． $1980^{\mathrm{p}}$ |
|  | TRANSPORTATION EQUIPMENT－Continued |  |  |  |  |  |  |  |  |  |  |
| 376 3761 | Guided missiles，space vehicles，parts Guided missiles and space vehicles | $\$ 346.50$ 347.77 | \＄347．57 | \＄372．3E | $\$ 367.28$ 371.90 | － | $\$ 8.25$ 8.38 | 57.55 8.20 | \＄8．Et | $\begin{array}{r}\$ 8.85 \\ 8.94 \\ \hline\end{array}$ | － |
| 3761 379 | Guided misssiles and space vehicles Miscellaneous transportation equipmen | 347.77 255.27 | 345.32 <br> 218.28 <br> 18 | 362.37 257.28 21 | 371.90 235.94 | － | 8.38 6.28 | 8.20 c．ic | 8.77 6.7 C | 8.94 6.61 | － |
| 3792 | Travel trailers and campers ． | 204.01 | 150.05 | 213.48 | 196.86 | － | 5.6 ？ | E．ES | $\leq .53$ | 5.79 | － |
| 38 | INSTRUMENTS AND RELATED PRODUCTS | 251.74 | 243.15 | 269．9E | 27C．03 | 12t5．43 | 6.17 | E．c¢ | 6．4s | 6.57 | \＄6．62 |
| 381 | Engineering and scientific instruments | 270.40 | 258.74 | 298.52 | 280.96 | － | 6.50 | $\epsilon \cdot 28$ | E．ec | 6.77 | － |
| 382 | Measuring and controlling devices | 255.85 | 24E．EE | $274.0 \equiv$ | 2E1．47 | － | 6.21 | 6.02 | t．54 | 6.67 | － |
| 3822 | Environmental controls | 234.99 | 227.66 | 249.83 | 249.26 | － | 5．86 | E． 72 | 6.02 | 6.05 | － |
| 3823 | Process control instruments | 263.75. | 2s三．it | 283.15 | 287.05 | － | 6.25 | 6.13 | 6.51 | 6.66 |  |
| 3825 | Instruments to measure electricit | 272.54 | $2 \in 2.71$ | 297.36 | 314.06 | － | 6.52 | t． 27 | 7． Cl | 7.27 | － |
| 383 | Opticat instruments and lenses | 2¢5．7c | 285.25 | 309.81 | 303.79 | － | 6.66 | E．44 | t．sc | t． 52 |  |
| 384 | Medical instruments and supplies | 207.37 | 2C1， 6 ¢ | $227.6 E$ | 22ミ． $4^{4}$ | － | 5.29 | 5.15 | 5.58 | 5.64 |  |
| 3841 | Surgical and medical instruments | 199.69 | 195.42 | 218.71 | 214.64 | － | 5.03 | 4.51 | E． 27 | 5.38 | － |
| 3842 | Surgical appliances and supplies． | 214.85 | zcs．c4 | 236．70 | 230.68 | － | 5.51 | 5.36 | 5.82 | 5.84 | － |
| 385 | Ophthalmic goods | 190.71 | 184.86 | 202.07 | $2 C 2.27$ | － | 4.85 | 4.74 | 5.05 | 5.16 |  |
| 386 | Photographic equipment and supplies | 333.38 | 324.10 | 351.11 | 351.35 | $\rightarrow$ | 7.90 | 7.68 | $\varepsilon .42$ | 8.50 |  |
| 387 | Watches，clocks，and watchcases | 184．3C | 17¢．16 | 2 Cl .17 | 20c． 5 | － | 4.75 | 4.63 | 5.18 | 5.09 | － |
| 39 | MISCELLANEOUS MANUFACTURING |  |  |  |  |  |  |  |  |  |  |
|  | INDUSTRIES | 156.06 | $1 ¢ C . E c$ |  | 2ct． 76 | 268.15 | 5．c4 | 4.53 | 5.22 | 5．30 | 5.31 |
| 391 | Jeweiry，silverware，and plated ware | 158.28 | 187.87 | 213.00 | 208.50 | － | 5.15 | 4.97 | $5 \cdot 32$ | 5.36 | － |
| 3911 | Jewelry，precious metal | 151.27 | 1EC．E1 | 266．58 | 2 CE .72 | － | 5.06 | 4.90 | 5.24 | 5.26 | － |
| 393 | Musical instruments | 197.81 | 186.28 | 205.08 | $2 \mathrm{CE.71}$ | － | 4.57 | 4.74 | 5.24 | 5.22 | － |
| 394 | Toys and sporting goods | 177.02 | $17 \pm$. Et | 183.14 | 186.14 | － | 4.61 | $4 . \leq 7$ | 4.72 | 4.86 | － |
| 3942， 4 | Dolls，games，tovs，and children＇s vehicles | 171.14 | 165.75 | 172.25 | $18 C .7 E$ | － | 4.48 | 4.48 | 4.57 | 4.77 | － |
| 3949 | Soorting and athletic goods，nec | 182.58 | 176.40 | 192.15 | 190.79 | － | 4.72 | 4.62 | 4.84 | 4.53 |  |
| 395 | Pens，pencils，office and art supplies | 211.64 | 2 C －．2C | 224.7 C | 215.32 | － | 5.20 | 5.08 | 5.35 | 5.41 |  |
| 396 | Costume iewerry and notions | 162.49 | 158.34 | 171.07 | 176．92 | － | 4.31 | 4.2 C | 4.45 | 4.57 | － |
| 3961 | Costume jewerry | 150.10 | 146.43 | 152.82 | 154.51 | － | 4.09 | 3.59 | 4.21 | 4.28 | － |
| 399 | Miscellaneous manutactures | 221.55 | z1t． 31 | 234.72 | 254.82 | － | 5.62 | 5.45 | 5.81 | 5.90 | － |
| 3993 | Signs and advertising displays | 230.50 | 226.00 | 245.83 | 235.01 | － | 5.28 | 5.78 | $t .04$ | 6.12 | － |
|  | nondurable goods |  |  |  |  |  |  |  |  |  |  |
| 20 | FOOD ANO KINDRED PRODUCTS | 250.17 | 240． 56 | $2 \pm 4.37$ | 261.22 | 259.07 | 6.27 | E．Cs | 6.56 | 6.63 | $6.6 t$ |
| 201 | Meat products | 254.32 | 248.75 | 2t5．20 | $2 \in \epsilon .17$ | － | 6.35 | E． 25 | 6.63 | 6.79 | － |
| 2011 | Meat packing plants | 222.34 | 318.42 | 337.60 | 342.15 | － | 7.73 | 7．51 | 8.60 | 8.23 | － |
| 2013 | Sausages and other prepared meats | 255.54 | $272.6 ¢$ | $3 C 9.50$ | 255．53 | － | 7.38 | 7.01 | 7.68 | 7.75 | － |
| 2016 | Poultry dressing plants | 155.25 | 146.15 | 160．21 | 155.16 | － | 4.14 | 2.85 | 4.3 E | 4.31. | － |
| 202 | Dairy products | 2 60.82 | 2EC．E1 | 271．83 | 268.06 | － | 6.30 | E．11 | 6.55 | 6.57 | － |
| 2022 | Cheese，natural and processed | $2 \equiv 5.0 C$ | 222.71 | 249.55 | $23 \varepsilon .4 \mathrm{t}$ | － | 5． 59 | 5.74 | 6.27 | 6.21 | － |
| 2026 | Fluid milk | 273.26 | $2 \in 3.13$ | 287.62 | 281.73 | － | 6.46 | t． 25 | 6.72 | t． 74 |  |
| 203 | Preserved fruits and vegetables | 211.14 | 1c5．cz | 217.4 C | 281.26 | － | 5.40 | 5.21 | 5.56 | 5.62 |  |
| 2032 | Canned specialties | 254.82 | 246.23 | 235.51 | 244.46 | － | 6.20 | 5.55 | 6.47 | 6.45 | － |
| 2033 | Canned fruits and vegetables | 211.77 | $1 ¢ 7.22$ | $21 \varepsilon .74$ | 215.22 | － | 5.43 | 5.22 | E．EE | 5.65 | － |
| 2037 | Frozen fruits and vegetables | 157．63 | 181.42 | 204.88 | 217．35 | － | 5.12 | 4.52 | 5.26 | 5.38 | － |
| 204 | Grain mill products ．．．．．．．． | 295．28 | 286.02 | 330.04 | 319.72 | － | 6.88 | t． 56 | 7.40 | 7.35 | － |
| 2041 | Flour and other grain mill products | 324.61 | 3C2．c． 7 | 352．c1 | 3ミ7．90 | － | 7.15 | 6.54 | 7.57 | 7.41 |  |
| 2048 | Prepared feeds，nec | 246.52 | 236.12 | $2 \in 9.95$ | 2¢7．E5 | － | 5.55 | 5.33 | t．04 | 6.06 |  |
| 205 | Bakery products．． | 2E3．1C | 235．is | 269.30 | $2 \in 2.13$ | － | 6.54 | $t .27$ | E．E7 | 6.88 | － |
| 2051 | Bread，cake，and related products | 2E2．72 | 234.67 | 268.15 | $2 \in C .15$ | － | 6.55 | ¢． $2 \boldsymbol{z}$ | 6.93 | 6.92 | － |
| 2052 | Cookies and crackers． | 251．13 | 237.36 | 271.21 | 268．09 | － | 6.35 | $6.2 \%$ | C．EE | 6.77 | － |
| 206 | Sugar and confectionery products | 23 E ．73 | 25E．C4 | 251.42 | 242.44 | － | 6.07 | 5.80 | 6.27 | 6.38 | － |
| 2061.3 | Cane and beet sugar ．． | 287.83 | 270.14 | 208．6E | $2 \in E . C 1$ | － | 7.25 | 6.72 | 7.51 | 7.58 | － |
| 2065 | Confectionery products | 2ct． 0 S | 152．E1 | 217.05 | 215.64 | － | 5.38 | 5.12 | E．E1 | 5.72 |  |
| 207 | Fats and oils | 286.02 | 276.42 | 255.46 | 255.53 | － | 6.56 | E． 34 | 6.64 | 6.68 | － |
| 208 | Beverages | 302.60 | 284.40 | 317.83 | 301.46 | － | 7.45 | 7.20 | 7.74 10.55 | 7.71 10.44 |  |
| 2082 | Malt beverages | 42 E ． 78 | $4 \mathrm{C7}$ ．tc | 435．54 | 424.51 | － | 10.21 5.52 | 9.73 E． S c | $\begin{array}{r}10.55 \\ \text { E．} \\ \hline\end{array}$ | 10.44 5.65 |  |
| 2086 | Botted and canned soft drinks | 219.14 | 206.95 145.35 | 227.88 223.11 | 221.34 216.08 | E | 5.52 5.50 | E． | E． 74 | 5.65 5.84 | － |
| 209 | Misc．fooas and kindred products | 207．35 | 155．35 | 223.11 | 216.08 | － | 5.50 | $5 . \sum t$ | E． 76 | 5.84 | － |
| 21 | tobacco manufactures | 254．22 | 229.60 | 278.08 | 264.64 | 257.75 | 6.65 | $t$ ． $3 t$ | 7.04 | 7.06 | 7.14 |
| 211 | Cigarettes | 301． 78 | 271．63 | 33t．5t | 310.95 | － | 7.90 | 7.53 | e． 31 | 8.27 | － |
| 22 | TEXTILE MILL PRODUCTS | 187.80 | 1 160．35 | 202.11 | 200.41 | 200.82 | $4.6 \epsilon$ | 4.52 | 4.67 | 4.90 | 4.91 |
| 221 | Weaving mills，cotton | 201.24 | 15t．sE | 215.02 | 214.46 | － | 4.84 | 4.69 | 5.07 | 5.07 | － |
| 222 | Weaving mills，synthetics | 202.86 | 156.24 | 217.85 | 216.2 C | － | 4.56 | 4.74 | 5.15 | 5.16 | － |
| 223 | Weeving and finishing mills，wool | $1 \leq 1.83$ | 1 16．86 | 236.17 | 203.50 | － | $4.7 \epsilon$ | 4.58 | 4.58 | 5.00 | － |
| 224 | Narrow fabric mills | 172.86 | 168．c2 | $1 E 4.61$ | 128．E1 | － | 4.3 C | 4.19 | 4.47 | 4.52 | － |
| 225 | Knitting mills | 165．35 | 154.56 | 176.73 | 177.87 | － | 4.34 | 4.20 | 4.52 | 4.62 | － |

[^12]C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry - Continued


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

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Industry | Averces moekly cerninge |  |  |  |  | Average hourly sarning |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979^{2} \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { FEB } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & A V G \\ & 1 \$ 75 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1 S 7 S \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 157 S \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1580 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FER. } \\ & 1980 \mathrm{p} \end{aligned}$ |
|  | TEXTILE MILL PRODUCTS－Continued |  |  |  |  |  |  |  |  |  |  |
| 2251 | Women＇s hosiery，except socks | \＄158．50 | \＄ 148.43 | \＄149． 38 | \＄1et．0E | － | \＄4．16 | \＄3．59 | \＄4．31 | \＄4．40 | － |
| 2252 | Hosiery，nec ．．．．．．．．．．．．．． | 150.14 | 139.44 | 156.24 | 161.01 | － | 4.02 | 3.55 | 4.20 | 4.34 | － |
| 2253 | Knit outerwear mills | 159．64 | 144．EE | 173.54 | 172.14 | － | 4.28 | 4.13 | 4.46 | 4.53 |  |
| 2254 | Knit underwear mills | 147.24 | 143.24 | 151．c8 | 1eC．5t | － | $4 . C 5$ | 3．9¢ | 4.28 | 4.46 | － |
| 2257 | Circular knit fabric mills | 153.55 | 182.56 | 213.21 | 212.85 | － | 4.78 | 4.61 | 4.97 | 5.02 |  |
| 226 | Textile finishing，except wool | 203．54 | 151.20 | 224．EE | 217.36 | － | 4.95 | 4.78 | 5.21 | 5.20 | － |
| 2261 | Finishing plants，cotton | 207.65 | 195.05 | 229.82 | 223.77 | － | 5.04 | 4.84 | 5． 52 | 5.29 | － |
| 2252 | Finishing plants，synthetics | 213.92 | 2C20．10 | 233.24 | 222.61 | － | 5.13 | 4.99 | 5.35 | 5.39 |  |
| 2.7 | Floor covering mills ．．．．．．． | 197.89 | 190.24 | 211.37 | 155．35 | － | 4.78 | 4.64 | 4.95 | 4.91 | － |
| 223 | Yarn and thread mills | 176．5s | 167.56 | 189.61 | 190.49 | － | 4.37 | 4.21 | 4.58 | 4.59 |  |
| 2281 | Yarn mills，except wool | 179.14 | 165.64 | 155.0 C | 15E．ES | － | 4.38 | 4.22 | 4.61 | 4.62 | － |
| 228 ？ | Throwing and winding mills． | 165.45 | 157.93 | 168.25 | 172.43 | － | 4.21 | 4.04 | 4.37 | 4.41 | － |
| 229 | Miscellaneous textile goods | 2C8． 75 | 20：．84 | 222．t0 | 222．91 | － | 5.08 | 4.96 | 5.30 | 5.32 | － |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS ． | 145．25 | 144.28 | 157.60 | 156.29 | \＄156．38 | 4.24 | 4.17 | 4．E5 | 4.44 | \＄4．43 |
| 231 | Men＇s and bovs＇suits and coats | 180．5E | 177．7E | 150.64 | 150．62 | － | 5.13 | 5.05 | 5.34 | 5.40 | － |
| 232 | Men＇s and bovs＇furnishings | 140.40 | 122.86 | 151.06 | 152.21 | － | 3．96 | 3． 84 | 4.67 | 4.17 | － |
| 2321 | Men＇s and boys＇shirts and nightwear | 137.56 | 122.49 | 146.83 | 146.93 | － | 3.80 | 3.74 | $3 . ¢ ¢$ | 4.07 | － |
| 2327 | Men＇s and boys＇separate trousers ．． | 139．ts | 133.67 | 150.12 | 15 5.65 | － | 3.99 | 2． 52 | 4.17 | 4.28 | － |
| 2328 | Men＇s and boys＇work clothing | 142.45 | 135.28 | 152.48 | 154.22 | － | 3.82 | 3.80 | 3．5 | 4.08 |  |
| 233 | Women＇s and misses＇outer wear | 125.77 | 12t．C4 | 144.15 | 145.97 | － | 4.21 | 4.11 | 4.23 | 4.41 | － |
| 2331 | Women＇s and misses＇blouses and waists | 134.64 | 130.7 t | 136.02 | 142.85 | － | 3.56 | 3．f\＆ | 4.65 | 4.24 | － |
| 2335 | Women＇s and misses＇dresses | 135.88 | 132．E1 | 14 C .75 | 140.62 | － | 4.30 | 4.82 | 4.44 | 4.45 | － |
| 2337 | Women＇s and misses＇suits and coats | 151．0t | 143.55 | 155.00 | 1¢8．2t | － | 4.55 | 4.35 | 4.74 | 4.71 | － |
| 2339 | Women＇s and misses＇outerwear，nec | 141.64 | 138.90 | 148.39 | 149.82 | － | 4.07 | 2．98 | 4.18 | 4.33 | － |
| 234 | Women＇s and children＇s undergarments | 137.80 | $1 \equiv 1 . \varepsilon \epsilon$ | 144.2 C | 142．02 | － | 3.86 | 3.80 | 3.94 | 4.04 | － |
| 2341 | Women＇s and children＇s under wear ．．． | 135.68 | 129.40 | 143．9E | 143.28 | － | 3.75 | 3.74 | 3.88 | 3.98 | － |
| 2342 | Brassieres and allied garments ．．．． | 146.20 | 141.91 | 144.28 | 143.76 | － | 4.12 | 4.02 | 4.17 | 4.33 | － |
| 236 | Children＇s outerwear | 138．t0 | 1ミ3．Cf | 145.52 | 145.04 | － | 3.85 | 3.77 | 4.02 | 4.14 |  |
| 2361 | Children＇s dresses and blouses | 136．06 | 133.92 | 141.02 | 142.61 | － | 3.75 | 3.72 | 3.95 | 4.04 | － |
| 238 | Misc．apparel and accessories | 145．EC | 142．4C | 156． 65 | 155.14 | － | 4.11 | 4.00 | 4.28 | 4.37 | － |
| 239 | Misc．fabricated textile products | 183.82 | 177.8 ¢ | 196.28 | 17E．0C | － | 4．65 | 4.62 | 5.02 | 4.85 | － |
| 2391 | Curtains and draperies ．．．．． | 135.88 | 128.13 | 147.43 | 139.70 | － | 3.75 | 3.64 | 3.85 | 3.98 | － |
| 2392 | House furnishing，nec | 160.53 | 14E．5t | 165．74 | 1¢2．tz | － | 4.18 | 4.07 | 4.33 | 4.36 | － |
| 2396 | Automotive and apparel trimmings | 300.31 | 301.08 | 340.17 | 278.62 | － | 7.74 | 7.78 | ¢．Cも | 7.51 | － |
| $26$ | PAPER AND ALLIED PRODUCTS | 302． 21 | 265．et | こ¢5．9も | 317.8 Cl | 314.45 | 7.12 | E．EC | 7.48 | 7.46 | 7.47 |
| 261，2，6 | Paper and pulp mills ．．．．．．．．． | 372.53 | 353.21 | 394.56 | 386.71 | 314．45 | 8.24 | 7.78 | E． 71 | 8.69 | － |
| 262 | Paper mills，except building paper | 374.52 | ミ57．6¢ | 396.68 | 3¢8．fC | － | 8.24 | 7.78 | 8.68 | 8.64 | － |
| 263 | Paperboard mills ．．．．．．．．．．．．． | 368.32 | 356.17 | 352．4s | 3¢2．te | － | 8.39 | 8.04 | 2．$\varepsilon 2$ | 8.84 | － |
| 264 | Misc．converted pspar products | 255．34 | 245．CE | 280.87 | 273.90 | － | 6.31 | E．CS | t．t4 | 6.60 | － |
| 2641 | Paper coating and glazing | 305.22 | 248．16 | 227．3t | 32 Catz | － | 7．CE | ¢．－$₹ 7$ | 7.34 | 7.32 | － |
| 2642 | Envelopes ．．．．．．．．．．． | 235.35 | 228.83 | 252.34 | 244.61 | － | 5.84 | E．Es | C． 11 | 6.10 | － |
| 2643 | Bags，except textile bags | 244．57 |  | 265．84 | 2Eミ．34 | － | 5.98 | 5.76 | 6.29 | 6.27 | － |
| 265 | Paperboard containers and boxes | 262.26 | 252.14 | 284．57 | 277．57 | － | 6.35 | 6.12 | E．EE | 6.65 | － |
| 2651 | Folding paperboard boxes | 2t8． 27 | 25E．E4 | $3 \mathrm{C2} .03$ | 288.12 | － | 6.48 | e． 24 | C．EE | 6.84 | － |
| 2653 | Corrugated and solid fiber boxes | 277． 21 | 2tt．4t | 252.87 | 252．4C | － | 6.65 | t．39 | 6.94 | 6.88 | － |
| 2654 | Sanitary food containers ．．．．．． | 245．52 | 231．E8 | 276.85 | 257.26 | － | 5.64 | $5 . E 5$ | C． 32 | 6.29 | － |
| 27 | PRINTING AND PUBLISHING | 259．1ミ | 24¢．31 | 273.18 | 2tE． 93 | 2 66．77 | 6.51 | 6.72 | 7.17 | 7.21 | 7.21 |
| 271 | Newspapers | 245.40 | 227.22 | 258.52 | 247.42 | － | 7.25 | 7.04 | 7.45 | 7.43 | － |
| 272 | Periodicals | 235.25 | 2EE．Ez | 247.42 | 2EC． 14 | － | 6.38 | 6.12 | 6.76 | 6.69 | － |
| 273 | Books ．．．．．．．．． | 237.84 | 227.50 | 250．63 | $2 E C .65$ | － | 6.12 | 5.94 | c． 41 | 6.46 | － |
| 2731 | Book publishing | 227.37 | 218．Eこ | 234． 53 | 234.93 | － | 5.83 | $5 \cdot t 4$ | C．15 | 6.15 | － |
| 2732 | Book printing ．．．．． | 250．1 | 2ミ7．2E | 267．t0 | 2¢E．6C | － | 6.48 | E． 2 E | 6.65 | 6.80 | － |
| 274 | Miscèllaneous publishing | 215.52 | 208.86 | 223.01 | 221.38 | － | 6.02 | 5.90 | E．0t | 6.17 | － |
| 275 | Commerical printing ．．．．． | 275.64 | 2 ¢E．11 | 251.72 | 28E．Ec | － | 7.16 | 6.54 | 7.48 | 7.50 | － |
| 2751 | Commercial printing，letserpress ． | 254.60 | 247.11 | 269.81 | 264．75 | － | 6.7 C | C．E2 | E．95 | 7.08 | － |
| 2752 | Commerical printing，lithographic | 2EE． 34 | 27E．2E | 3 Cl .45 | 257.22 | － | 7.38 | 7.15 | $7 . \in 5$ | 7.68 | － |
| 276 | Manifold business forms ．．．．．．．．． | 275．22 | 27C．8E | $3 \mathrm{CC}$. | 3CC．Es | － | $6.6 \%$ | E．4E | 7．CC | 7.13 | － |
| 278 | Blankbooks and book binding | 205.50 | 201.89 | 218.99 | 219.29 | － | 5.31 | 5.15 | $5 \cdot 5 ?$ | 5.58 | － |
| 279 | Printing trade services | 340.64 | 2¢E．SC | 262．34 | $3 \in 1.77$ | － | 8.97 | 8.76 | 9.15 | 9.30 | － |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 317.26 | 305.24 | 333.80 | 330.30 | 329.93 | 7.59 | 7.22 | 7.51 | 7.94 | 7.95 |
| 281 | Industrial inorganic chemicals ．．．．．． | 347.75 | aミC．5E | 271.09 | $3 \in 1.12$ | 329.93 | 8.26 | 7.88 | 8.65 | 8.66 | － |
| 2819 | Industrial inorganic chemicals，nee | 346.11 | 327.44 | 373.6 C | 360.04 | － | 8.30 | 7.65 | 8.77 | 8． 76 | － |
| 282 | Plastics materials and synthetics | 311.96 | 2c5．\＆も | 326.34 | 324.12 | － | 7.41 | 7.14 | 7.77 | 7.81 | － |
| 2821 | Plastics materials and resins． | 347．11 | 332．54 | 365.02 | 3EE．7C | － | 8.11 | 7.77 | 8.43 | 8.50 | － |
| 2824 | Organic fibers，noncellulosic | 251.48 | 277.75 | 306.77 | 304．71 | － | 6.99 | 6.71 | 7.41 | 7.45 | － |
| 283 | Drugs | 285.23 | 276．EC | $2 C 7.44$ | 3 CE －${ }^{\text {cs }}$ | ＊ | 6.94 | 6.69 | 7.32 | 7.32 | － |
| 2834 | Pharmaceutical preparations ．．．．．．．．．．． | 274.46 | 267.32 | 293.82 | 290.39 | － | 6.74 | C．EE | 7．0¢ | 7.10 | － |

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

|  |  | Avorape weokly hours |  |  |  |  | Average owertime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 81C <br> Code |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { OEC } \\ & 1979 \end{aligned}$ | JAN. $1980 \text { P }$ | $\begin{aligned} & \text { FEB } \\ & 1580 \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN。 } \\ & \text { IS7G } \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 157 E \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 198 j \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FER. P } \\ & 1980 \text { P } \end{aligned}$ |
|  | TEXTILE MILL PRODUCTS-Conthued |  |  |  |  |  |  |  |  |  |  |
| 2251 | Women's hosiery, except socks | 38.1 | 27.2 | 34.3 | 2E.2 | - | 2.9 | 2.0 | 3.5 | 2.4 | - |
| 2262 | Hosiery, nec | 36.8 | 35.3 | 37.2 | 37.1 | - | 1. 5 | 1.E | 1.4 | 1.8 |  |
| 2263 | Knit outerweer mills | 37. 3 | 3:-6 | 35.C | 38.0 | - | 2.0 | 1.3 | 2.7 | 2.3 | - |
| 2254 | Knit underwaar mills | 36.0 | 35.9 | 35.3 | 3e.c | - | 1.8 | 1.3 | 1.5 | 1.0 | - |
| 2257 | Circular knit fabric mills | 40.5 | 35.6 | 42.9 | 42.4 | - | 4.3 | 3.8 | 8.4 | 5.2 | - |
| 228 | Textile finishing, except wool | 41.2 | 4 C .6 | 43.1 | 41.E | - | 3.6 | 3.3 | 4.4 | 3.7 | - |
| 2261 | Finiching plants, cotton | 41.2 | 40.3 | 43.2 | 42.3 | - | 3.5 | 2. 5 | 4.4 | 4.0 | - |
| 2262 | Finishing plants, synthetics | 41.7 | 4 CH | $43 . t$ | 41.3 | - | 4.1 | $3 . E$ | $4 \cdot 5$ | 3.2 | - |
| 227 | Floor covering mills ...... | 41.4 | 41.0 | 42.7 | $4 C . E$ | - | 4.4 | 4.3 | 4.5 | 3.6 | - |
| 228 | Yarn and thread mills | 40.5 | 39.8 | 41.4 | 41.5 | - | 3.5 | E. 3 | 4.1 | 3.5 | - |
| 2281 | Yarn mills, except wool | 40.5 | 46.2 | 42.9 | 42.4 | - | 3.8 | 3.6 | 4.6 | 4.4 | - |
| 2282 | Throwing and winding mills | 39.3' | 28.9 | 3e.5 | 35.1 | - | 3.1 | 2.7 | 2.2 | 2.3 | - |
| 229 | Miscallaneous taxtile goods ... | 41.1 | 41.5 | $42 . C$ | 41.9 | - | 3.5 | 4.0 | 3.4 | 3.3 | - |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS | 35.2 | 34.6 | 35.9 | 35.2 | 35.2 | 1.6 | - 9 | 1.2 | 1.0 | - |
| 231 | Men's and boys' suits and coats | 35.2 | 2\%. 2 | 35.7 | 35.3 | - | .6 | .8 | . 6 | .6 | - |
| 232 | Men's and boys' furnishings | 36.0 | 34.6 | 37.1 | 36.5 | - | 1.6 | . 7 | 1.4 | 1.2 | - |
| 2321 | Men's and boys' shirts and nighwear | 36.2 | 35.4 | 36.8 | 36.1 | - | 1.0 | . 8 | 1.2 | 1.0 | - |
| 2327 | Man's and boys' seperate trousers | $35 . C$ | 34.1 | 36.0 | 35. | - | . 8 | . 4 | 1.2 | 1.1 | - |
| 2326 | Men's and boys' work clothing . . | 37.3 | 35.6 | 38.8 | 37.8 | - | 1.2 | - 8 | 2.0 | 1.4 | - |
| 233 | Wornen's and misset' outerwear . . . . . . . . . . . . . . . . | 33.8 | 2E. 1 | 33.3 | 33.1 | - | .9 | .9 | . 9 | .9 | - |
| 2331 | Women's and misces' blouses and waists ........ | 34.0 | 33.7 | 33.4 | 33.7 | - | - 8 | - 9 | - 8 | .8 | - |
| 2335 | Women's and miszes' dresses . . . . . . | 31.6 | 31.4 | 31.7. | 31.6 | - | .9 | . 8 | . $E$ | . 6 | - |
| 2337 | Women's and misses' suits and coats | 22.8 | 33.1 | 32.7 | 35.4 | - | . 8 | . 7 | . 7 | .9 |  |
| 2339 | Women's and misses' outerwear, nec | 34.8 | 34.9 | 35.5 | 34.6 | - | 1.0 | 1.1 | 1.2 | 1.2 | - |
| 234 | Women's and children's undergarments | 35.7 | 34.7 | 36.6 | 35.4 | - | 1.0 | .6 | 1.2 | 1.0 | - |
| 2341 | Women's and children's underwear . | 35.8 | 34.4 | 37.1 | $3 E .6$ | - | 1.1 | . 7 | 1.3 | 1.1 | $\cdots$ |
| 2342 | Brasieres and allied garmenta | 35.4 | 35.3 | 34.6 | 32.2 | - | . 9 | .4 | - 5 | . 5 | - |
| 238 | Children's outerwear . | 36.1 | 25. | 26.1 | Et.C | - | 1.2 | .9 | 1.3 | 1.2 | - |
| 2361 | Children's dresses and blouses | 35.9 | 36.0 | 35.7 | 35.3 | - | 1.2 | 1.2 | 1.0 | -8 | - |
| 238 | Misc. apparel and accessories | 36.4 | 25.6 | $34.0 t$ | 35.5 | - | 1.2 | 1.2 | 1.1 | .8 | - |
| 239 | Misc. fabricated textile products | 37.5 | 36.9 | 39.1 | 36.7 | - | 1.7 | 1.7 | 1.5 | .9 | - |
| 2391 | Curtains and draperies .... | 37.3 | 35.2 | 37.9 | 35.1 | - | 1.0 | 1.6 | . 8 | .5 | - |
| 2382 | House furnishingt, nec . . . . . . . . . | 38.5 | 36.6 | 35.2 | \%7.3 | - | 2.0 | 1.5 | 2.5 | 1.2 | - |
| 2306 | Automotive and apparel trimmings | 38.8 | 39.0 | 42.1 | 37.1 |  | 2.2 | 3.3 | .t | . 4 | - |
| 28 | PAPER AND ALLIED PRODUCTS | $42 . E$ | 48.8 | 43.5 | 42.6 | 42.1 | 4.8 | 4.9 | 4.6 | 4.4 | - |
| 261, 2,6 | Paper and pulp mills ........................... | 45.1 | 45.4 | 45.3 | 44.5 |  | 6.8 | 7.0 | $t \cdot 8$ | 6.8 | - |
| 262 | Paper mills, except building paper . . . . . . . . . . . . . . | 45.5 | 46.6 | 45.7 | 45.0 | - | 6.8 | 7.3 | 6.8 | 6.8 | - |
| 263 | Paperboard mills . . . . . . . . . . . . . . . . . . . . . . . | 43.9 | 44.3 | 44.E | 43.4 | - | 7.1 | 7.1 | 7.3 | 7.0 | - |
| 284 | Misc. converted paper products . . . . . . . . . . . . . . . | 41.1 | 40.9 | 42.3 | 41.5 | - | 3.5 | 3.7 | 2.6 | 3.5 | - |
| 2841 | Paper coating and glazing . . . . . . . . . . . . . . . . . . | 43.8 | 43.4 | 44.6 | 43.8 | - | 5.0 | 5.4 | 5.0 | 4.7 | - |
| 2642 | Envelopes ............................... . | 40.3 | 40.5 | 41.3 | 40.1 | - | 2.5 | 3.2 | 3.8 | 3.3 | - |
| 2643 | Bags, except textile bags . . . . . . . . . . . . . . . . . . | 41.3 | 41.4 | 42.5 | 42.0 | - | 3.4 | 3.7 | 3.9 | 3.4 | - |
| 265 | Paperboard containers and boxes . . . . . . . . . . . . . | 41.3 | 41.2 | 42.8 | 41.8 | - | 3.9 | $3 . t$ | 2.4 | 2.3 | - |
| 2651 | Folding paperboerd boxes . . . . . . . . . . . . . . . . . | 41.4 | 41.3 | 43.9 | 42.0 | - | 3.4 | 3.8 | 4.1 | 3.6 | - |
| 2863 | Corrugated and solid fiber boxes . . . . . . . . . . . . | 41.7 | 41.7 | 42.8 | $4{ }^{42} \cdot 5$ | $\cdots$ | 3.8 | 4.0 | 1.1 | 1.4 | - |
| 2864 | Sanitary food containert .................... | 41.04 | 46.7 | 43.4 | 40.9 |  | 3.2 | 2.2 | 3.4 | 2.5 | - |
| 27 | PRINTING AND PUBLISHING . .................. | 27.5 | 37.1 | 3 e .1 | 27. | 37.6 | 2.8 | 2.7 | 3.1 | 2.6 | - |
| 271 | Newspapers | 34.4 | 33.6 | 34.7 | 33.2 | - | 2.0 | 1.7 | 2.2 | 1.5 | - |
| 272 | Periodicals | 37.E | Ef. | 36.8 | 34.4 | - | 2.2 | 3.1 | 2.5 | 1.5 | - |
| 273 | Books . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | $32 . E$ | 38.3 | 39.1 | 38.8 | - | 2.3 | 3. 3 | E. 4 | 3.1 | - |
| 2731 | Book publishing. . . . . . . . . . . . . . . . . . . . . . . . . | 39.0 | 38.8 | 38.2 | 38.2 | - | 2.3 | 2.2 | 2.3 | 2.0 | - |
| 2732 | Book printing . . . . . . . . . . . . . . . . . . . . . . . . | 38.6 | 37.8 | $40 . C$ | $3 ¢ .5$ | - | 4.5 | 4.4 | 4.7 | 4.4 | - |
| 274 | Miscollaneous publishing . . . . . . . . . . . . . . . . . . . | 35.8 | 35.4 | 36.8 | 37.5 | - | 2.1 | 8.1 | 2.2 | 2.5 | - |
| 275 | Commercial printing . . . . . . . . . . . . . . . . . . . . | 38.5 | 38.8 | 35.6 | EE. 2 | - | 3.2 | 3.1 | 3.5 | 2.9 | - |
| 2751 | Commerical printing, letterpress . . . . . . . . . . . | 38.0 | 37.9 | 38.6 | 37.4 | - | 2.8 | 2.1 | 3.1 | 2.3 | - |
| 2752 | Commercial printing, lithographic . . . . . . . . . . . | 38.8 | 28.E | 35.2 | 38.7 | - | 3.5 | 3.3 | 3.6 | 3.2 | - |
| 278 | Menifold business forms ....................... | 41.2 | 41.8 | 42.9 | 42.2 | - | 3.5 | 4.6 | 4.6 | 4.4 | - |
| 278 | Blankbooks and bookbinding . . . . . . . . . . . . . . . | 38.7 | 36.5 | 39.6 | 39.3 | - | 2.1 | 8.1 | 2.4 | 2.7 | - |
| 278 | Printing trade service . . . . . . . . . . . . . . . . . . . . . | 38.0 | 37.5 | 39.6 | Ee.g | - | 3.4 | 2.7 | 3.8 | 4.0 | - |
| 2 B | CHEMICALS AND ALLIED PRODUCTS ........... | 41.8 | 41.7 | 42.2 | 41.6 | 41.5 | 3.5 | 3.5 | 3.4 | 3.3 | - |
| 281 | Industrial inorganic chemicals . . . . . . . . . . . . . . . . | 42.1 | 48.6 | 42.9 | 41.7 | - | 3.8 | 3.7 | 3.7 | 3.4 | - |
| 2818 | Industrial inorgenic chemicals, nec ............ | 41.7 | 41.5 | 42.6 | 41.1 | - | 3.4 | 2.5 | 3.5 | 3.2 | - |
| 282 | Plartice materials and tynthetict ............... | 42.1 | 48,6 | 42.6 | 41.5 | - | 3.4 | 3.4 | 2.1 | 3.2 | - |
| 2821 | Plastics matarials and resins . . . . . . . . . . . . . . . . Organic fibers, noncellulosic . . . . . . . . . . | 42.8 | 48.8 | 43.3 41.4 | 42.2 | - | 4.4 | 4.E | 4.4 | 4.3 | - |
| 283 | Organic frers, nonceliulosic . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 41.7 | 41.4 | 41.4 | 40.9 | - | 2.4 2.7 | 2.9 2.9 | 2.2 3.2 | 2.4 | - |
| 2834 | Pharmacautical preparations ................ | 40.6 | 41.0 | 41.5 | 40.9 | - | $2 . t$ | 2.8 | 3.2 3.8 | 2.9 2.5 | - |

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

| $\begin{aligned} & 1972 \\ & \text { Sic } \\ & \text { Code } \end{aligned}$ | Induatry | Avorseg mekely errning |  |  |  |  | Axarage hourly emrings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & J A N . \\ & 1 \subset \in C P \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1580 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1975 \end{aligned}$ | $\begin{aligned} & J A N . \\ & 1 \subseteq 7 \varsigma \end{aligned}$ | $\begin{aligned} & C \in C \\ & 1 \subseteq 7 ¢ \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & \text { IS8O } \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FER. } \\ & 1980 \mathrm{p} \end{aligned}$ |
| 284 | Chemicals and allied products－Contd | \＄250．75 | \＄282．t1 | s 2 c2．17 | s3CC． 58 | － | \＄7．18 | \＄7．03 | \＄7．37 | \＄7．44 | － |
| 2841 | Soop and other dotergents | 404.78 | 395.08 | 420.85 | 416.33 | － | 9.37 | 5.12 | ¢． 81 | 9.75 | － |
| 2844 | Toilet preparations | 222.91 | 212．ct | 231.02 | 232.25 | － | $5.7 t$ | g．t ${ }^{\text {c }}$ | 5.75 | 5.54 | － |
| 2842， 3 | Polishing sanitation，and finishing preparations ． | 259.35 | EEC．11 | 274．86 | 2ES．EE | － | 6.50 | t．3C | 6.77 | 6.81 | － |
| 295 | Paints and alliod products ．．． | 278.6 E | 271.42 | 284．55 | 284.94 | － | 6.78 | E．EC | ¢． 5 E | 7.05 | － |
| 286 | Industrial organic chemicals | 3¢1．C3 | 371． 2 | 358.61 | 354．55 | － | 9.01 | 8.64 | 9.27 | 9.24 | － |
| 2866 | Cyclic crudes and intermediates ．．．．．．．．．．． | 359.52 | 339.29 | 371.05 | 3t¢．7E | － | 8.46 | E．C4 | E． 71 | 8.54 | － |
| 2861，9 | Gum，wood，and industrial organic chemicals． nec | 401.94 | 2¢ 3.64 | 4 CB ． 59 | $4 C 4.18$ | － | 9.24 | 9．E6 | 5.48 | 9.51 | － |
| 287 | Agricultural chemicals | 312.74 | 258.64 | 339.99 | 322.05 | － | 7.29 | $7 . \mathrm{CE}$ | $7.7 E$ | 7.74 | － |
| 289 | Miscellaneous chemical products | 292.41 | 2E1．2E | 316.7 C | 308．2t | － | 7.07 | 6.81 | 7.38 | 7.41 | － |
| 29 | PETROLEUM AND COAL PRODUCTS | 410.41 | 385.63 | 411.87 | 343.44 | \＆ 359.31 | 5.37 | c．cl | 5.45 | 9.54 | \＄5．53 |
| 291 | Petroleum refining | 435.45 | 412．48 | 435.5 C | 357.42 | － | 10.08 | 9.66 | 10.15 | 10.39 | － |
| 295 | Paving and soofing meterials | 325.17 | 299.78 | 230.41 | 3¢3．$\%$ \％ | － | 7.21 | t．et | 7.31 | 7.10 | － |
| 30 | RUBBER ANO MISC．PLASTICS PRODUCTS | 241．38 | 2三¢．8c | 252．7E | 251．Eを | 247.1 C | 5． 56 | 5.82 | 6.21 | 6.25 | 6.24 |
| 301 | Tires and inner tubes | 361.22 | 375.42 | 371.54 | 370.17 |  | 8.58 | 8.38 | 5.04 | 9.14 | － |
| 302 | Rubber and plastics footwear | 157． 38 | 145．2C | 175.87 | 179.49 | － | 4.12 | 4.00 | 4.30 | 4.41 | － |
| 303， 4 | Reclaimed rubber，and rubber and plastics hose and belting | 253.17 | 244.67 | 268.55 | 269.15 | － | 6.12 | 5．¢1 | t．44 | E． 44 | － |
| 306 | Fabricated rubber products，nec ．．．．．．．．． | 228.50 | 225．cs | 240.17 | 237.21 | － | 5.67 | 5.49 | 5.93 | 5.96 | － |
| 307 | Miscellaneous plastics products | 220.44 | 214．2E | 232.64 | 232．13 | － | 5.47 | E．Es | 5.73 | 5.76 | － |
| 31 | Leather and leather products | 154.40 | 145.58 | 162．EE | 164．21 | 164.57 | 4.23 | 4.13 | 4.36 | 4.45 | 4.46 |
| 311 | Leather tanning and finishing | 214.23 | 207.48 | 232.43 | 227.18 | － | 5.55 | 5.32 | 5.84 | 5.84 | － |
| 314 | Footwear，except rubber | 148.06 | 144.32 | 156.56 | 159.78 | － | 4.05 | 4.02 | 4.22 | 4.33 | － |
| 3143 | Men＇s footwear，except athlatic | 159.22 | 153.09 | 166.06 | 1¢7．44 | － | 4.28 | 4.16 | 4.44 | 4.55 | － |
| 3144 | Women＇s footwear，except athletic | 138.34 | $138.0 ¢$ | 149.08 | 153.50 | － | 3.93 | 2.50 | 4.64 | 4.16 | － |
| 316 | Luggoge | 159.56 | 152.51 | 17c． 2 C | 174.27 | － | 4.42 | 4.26 | 4.6 C | 4.71 | － |
| 317 | Handbags and personal leather goods | 148.34 | 141.93 | 150.69 | 148.87 | － | 4.02 | E．¢1 | 4.04 | 4.17 | － |
|  | TRANSPORTATION AND PUBLIC UTILITIES | 32t．3E | 312.84 | 342.00 | 335.62 | 336.80 | 8.18 | 7．¢c | 8．Es | 8.54 | 8.57 |
| 4011 | railroad transportation： Class I railroads ${ }^{2}$ ． $\qquad$ | 3¢2．47 | 375.76 | 397.11 | （＊） | ， | 8.94 | $8 . E 4$ | 9.3 C | （＊） |  |
| 41 | LOcAL AND INTERURBAN PASSENGER |  |  |  |  |  |  |  |  |  |  |
|  | TRANSIT ．．．．．．．．．．．．．．．．． | 206．61 | 151.65 | 236.38 | 205.69 | － | 5.92 | 5.67 | E．C7 | 6.14 | － |
| 411 | Local and suburban transportation | 285.25 | 275.65 | 274.92 | $2 E 5.70$ | － | 6.94 | 6.84 | 6.96 | 6.88 | － |
| 413 | Intercity highway transportation | 335.04 | 306.81 | 335.37 | 351.7 C | － | 8.84 | 8．E7 | 5.25 | 10.02 | － |
| 42 | TRucking and warehousing | 232．89 | E12．42 | 255．12 | $3 \equiv \varepsilon . C 4$ | － | 8.37 | 7.97 | 8.79 | 8.69 | － |
| 421， 3 | Trucking and trucking terminals | 339.45 | 319.09 | 362.79 | 345.43 | － | 8.53 | 8.14 | ¢． 58 | 8.88 | － |
| 422 | Public warehousing | 231.07 | 217． 32 | 252.35 | 239.23 | － | 5.94 | 5.63 | 6.17 | 6.23 | － |
| 46 | PIPE LINES，exCept natural gas | 355．84 | 385.53 | 431.72 | 440.30 | － | 5.52 | c．0E | 10．04 | 10．3t | － |
| 48 | COMMMUNICATION | 212.43 | 3c3．73 | 228．三E | 324．66 | － | 7．$\frac{1}{}$ | 7.67 | 8.25 | 8.24 | － |
| 481 | Telephone communication ．．．．． | 324.41 | 314.41 | 339.60 | 335.41 | － | 8.07 | 7.88 | 8.45 | 8.47 | － |
| 4817 | Switchboard operating employees ${ }^{3}$ ． | 223.45 | 215.56 | 215．ís | $21 \in \cdot \in E$ | － | 6.67 | 6.42 | 6.90 | 7.15 | － |
| 4818 | Line construction employees ${ }^{4}$ ．． | 439.65 | 427.5 E | 457.28 | 442.67 | － | 9.77 | 5.48 | 10.23 | 10.07 | － |
| 483 | Redio and television broadcating | 2tz．0E | 2 CC． 3 C | 274.94 | 275.80 | － | 6.86 | 6.85 | 7.16 | 7.22 | － |
| 49 | electric，gas，and sanitary services ．． | 343.19 | 338.44 | 356.14 | 354.83 | － | 8.23 | 2．cz | 8． 52 |  | － |
| 491 | Electric services | 350.65 | 247.45 | 367.63 | 365.85 | － | 8.33 | 8.10 | 8.65 | 8.69 | － |
| 492 | Gas production and distribution | 310.59 | $302.3 \equiv$ | 224．76 | 3220.32 | － | 7.65 | 7.41 | 7.94 | 7.90 | － |
| 493 | Combination utility servicos | 375.61 | 375.24 | 387.20 | 386.98 | － | 9.06 | 8.85 | 5.32 | 5.37 | － |
| 495 | Sanitary services | 278.14 | 276．4C | 2E4．2e | 284.12 | － | 6.67 | 6.50 | 6.85 | 6.93 | － |
| － | WHOLESALE AND RETAIL TRADE | 164.56 | 158.72 | 170.42 | 165.81 | 170.45 | 5.06 | 4.56 | E． 1 ¢ | 5.34 | 5.36 |
| 50， 59 | Wholesale trade | 247.93 | 237.31 | 2t1．15 | 2¢E．CE | 258．52 | 6.35 | 6.18 | 6．tE | 6.72 | 6.75 |
| 50 | Wholesale trade－durable goods ．．．．．． | 251.12 | $24 \mathrm{C.4C}$ | 264.12 | 2E¢． 57 | － | 6.39 | 6.18 | 6.67 | 6.69 | － |
| 501 502 | Motor vehicles and automotive equipment ．．．．． | 230.06 | 219.08 | 245.46 | 236.46 | － | 5.56 | 5.75 | 6.23 | 6.19 | － |
| 502 503 | Furniture and home furnishings ．．．．．．．．．．．． | 221． 68 | 2C7．54 | 230.55 | 225.00 | － | 5.88 | 5.56 | 6.02 | 6.00 | － |
| 503 504 | Lumber and construction materials ．．．．．．．．．． | 253.74 | 239.71 | 2E5．5E | 2£3．75 | － | 6.44 | t． 21 | 6.74 | 6.66 | － |
| 504 | Sporting goods，toys，and hobby goods ．．．．．．． | 242.82 | 236.33 | 255.36 | 255.99 | － | 6.51 | t． 37 | 6．7\％ | 6.50 | － |

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


## ESTABLISHMENT DATA HOURS AND EARNINGS

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

| $\begin{gathered} 1972 \\ \text { sic } \\ \text { coch } \end{gathered}$ | Induatry | Awrage mokly ceming |  |  |  |  | Avorsep hourly emrninge |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { AVG. } \\ & 1 ¢ 79 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { CEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FE8. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1975 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1475 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | FER. $1980 \rho$ |
|  | wholesale tradedurable co008-Comtinued |  |  |  |  |  |  |  |  |  |  |
| 506 | Metuls and minerals, except petroloum ......... | \$ 254.80 | \$276.36 | \$312.70 | \$302.99 | - | \$7.37 | 17.08 | \$7.74 | 17.69 | - |
| 506 | Electrical goods . . . . . . . . . . . . . . . . . . . . . | 251.94 | 22E.4E | 275.02 | 267.15 | - | 6.51 | 6.21 | 6.91 | 6.85 | - |
| 507 | Hardware, plumbing, and heating equipment. | 235.39 | 226.18 | 247.02 | 244.74 |  | 6.12 | E.Es | 6.38 | 6.39 | - |
| 508 | Mechinery, equipment, and supplies ............ | $2 E 3.74$ | 256.31 | 274.62 | 274.22 |  | 6.61 | 6.44 | 6.90 | 6.96 |  |
| 609 | Miscollaneous durable goods ................. | 213.64 | 205.59 | 222.22 | 217.88 | - | 5.45 | 5.34 | 5.64 | 5.63 | - |
| 51 | Wholesale trade-nondurable goods ... | 244.10 | 233.23 | 256.51 | 2Es.91 | - | 6.35 | 6.17 | 6.68 | 6.77 | - |
| 511 | Paper and paper products | 277.40 | 271.91 | 291.61 | 285.38 | - | 7.60 | 7.47 | 7.86 | 7.95 |  |
| 512 | Drues, proprietaries, and sundries | 247.87. | 241.1E | 263.12 | 260.03 | - | 6.54 | $E .8 E$ | $6 . E 7$ | 6.59 | - |
| 513 | Apparel, piece goods, and notions ............. | 218.28 | $2 \mathrm{C7}$. 44 | 230.51 | 225.48 | - | 5.53 | 5.72 | 6.18 | 6.27 | - |
| 514 | Groceries and related products ................ | 246.75 | 234.98 | 259.85 | 258.91 | - | 6.41 | 6.20 | $\boldsymbol{E} \cdot \boldsymbol{E}$ | 6.76 | - |
| 618 | Cremicals and allied produets | 255.77 | 275.32 | 315.15 | 317.12 |  | 7.45 | 6.97 | 8.04 | 8.09 |  |
| 517 | Patroleum and patroleum products | 305.29 | 292.47 | 324.62 | 335.24 |  | 7.65 | 0.33 | $8.2 t$ | 8.36 |  |
| 518 | Beer, wine, and distilled beverages | 274.54 | $2 \in 9.31$ | 251.38 | 280.78 |  | 7.38 | 7.22 | 7.17 | 7.63 |  |
| 5:9 | Miscollisneous nondurable goods . . . . . . . . . . . . . | 200.03 | 151.C1 | 2c5.5C | 2C7.cc |  | 5.25 | 5.c8 | 5.47 | 5.52 |  |
| 52-59 | RETAIL TRADE | 135.07 | 133.68 | 142.51 | 141.67 | \$141.97 | 4.52 | 4.47 | 4, 61 | 4.77 | \$4.78 |
| 52 | buILDing materials and garden SUPPLIES | 147.62 | 177.26 | 152.24 | 187.31 |  | 4.99 | 4.83 | 5.14 | 5.16 |  |
| 521 | Lumber and other building meterials | 207.50 | 194.54 | 212.61 | $2 ¢ 7.74$ | - | 5.24 | 5.0 64 | 5.41 | 5.41 |  |
| 525 | Hardware stores ................ | 145.55 | 135.10 | 152.05 | 148.71 | - | 4.28 | 4.14 | 4.42 | 4.52 | - |
| 53 | OENERAL MERCHANDISE STORES | 128.92 | 121.76 | 134.42 | $13 C .25$ | - | 4.37 | 4.3 E | 4.35 | 4.67 | - |
| 531 | Department stores | 133.77 | 125.48 | 135.22 | 134.90 | - | 4.55 | 4.53 | 4.52 | 4.87 |  |
| 533 | Variety stores | 108.11 | $178.3{ }^{\text {c }}$ | 112.71 | 168.58 | - | 3.64 | 3.67 | 3.58 | 3.73 | - |
| 538 | Misc. general merchandise stores | 103.15 | 55.88 | 108.68 | 105.93 | - | 3.51 | 3.40 | 3.54 | 3.73 | - |
| 54 | FOOD STORES ........................... | 179.74 | 172.84 | 181.45 | $1 E 1.41$ | - | 5.67 | 5.83 | 5.78 | 5.89 | - |
| 641 | Grocery tores | 186.56 | 180.37 | 188.34 | 188.16 | - | 5.83 | 5.65 | 5.94 | 6.05 | - |
| 546 | Retail bakeries | 127.E¢ | 112.25 | 135.7E | 121.82 | - | 4.35 | 4.09 | 4.51 | 4.53 | - |
| 55 | automotive dealers and service sTATIONS | 200.E6 | 1ES.11 | 2ct. 93 | 2CE.63 | - | 5.32 | 5.07 | 5.46 | 5.51 |  |
| 551.2 | Now and uned car dealers | 240.95 | $22 \in .94$ | 245.07 | 246.38 | - | 6.21 | E. 51 | E. 30 | 6.26 | - |
| 653 | Auto and home supply stores | $194 . c 口$ | 159.E4 | 2c3.5C | 211.12 | - | 4.84 | 4.84 | 5.0 C | 5.20 | - |
| 654 | Geroline wervice stations | 140.70 | 132.86 | $149.6 C$ | 151.73 | - | 4.02 | 3.84 | 4.25 | 4.36 | - |
| 56 | APPAREL AND ACCESSORY STORES ......... | 116.98 | 112.57 | 124.31 | 119.43 | - | 4.02 | 3.95 | 4.13 | 4.25 | - |
| 561 | Men's and bovi' clothing and furnishinge ....... | 147.93 | 148.39 | 159.13 | 152.64 | - | 4. 88 | 4.98 | 4.75 | 4.80 | - |
| 562 | Women's ready-toweer stores ............... | 103.75 | 58.28 | 110.40 | 108.94 | - | 3.72 | 3.60 | 3.82 | 4.02 | - |
| 565 | Family clothing storet ...................... | 112.13 | $1 \mathrm{Cs.13}$ | $117 . \in C$ | 116.54 |  | 3.88 | 3.87 | 4.00 | 4.11 |  |
| 686 | Shoe stores | 122.83 | 114.40 | 128.90 | 120.93 | - | 4.25 | 4.12 | 4.34 | 4.35 | - |
| 67 | FURNITURE AND HOME FURNISHINGS | 1 12.34 | 177.45 | 193.50 | 190.55 | - | 5.18 | E.C7 | 5.35 | 5.46 |  |
| 571 | Furniture and home furnishings | 1et.s1 | 182.35 | 196.01 | 153.0 C | - | 5.31 | 5.24 | 5.46 | 5.53 | - |
| 572 | Household applienoes stores ... | 195.12 | $187 .{ }^{\text {c }}$ ? | 201.27 | 158.74 | - | 5.42 | E.E3 | 5.Et | 5.63 | - |
| 573 | Radio, television, and music stores | 1t2.74 | 1EE.4E | 180.7 C | 178.54 | - | 4.69 | 4.54 | 5.05 | 5.19 | - |
| 58 | eating and drinking places ${ }^{\text {s }}$ | 91.08 | 87.63 | 92.53 | ¢2.cs | - | 3.4E | 3.45 | 3.52 | 3.64 | - |
| 69 | miscellaneous retail | 142.81 | 128.41 | 151.8C | 145.78 | - | 4.48 | 4.38 | 4.60 | 4.77 | - |
| 581 | Drug stores and proprietery stores | 129.17 | 123.41 | 135.25 | 135.56 | - | 4.14 | 4.02 | $4.2 E$ | 4.43 | - |
| 594 | Miscellaneous shopping goods stores | 129.2! | 124.t1 | 138.54 | 134.09 | - | 4.21 | 4.14 | 4.22 | 4.53 | - |
| 506 | Nonttore retailers ............... | 177.55 | 169.32 | 189.74 | 185.52 | - | 5. 3 C | 5.1 C | 5.36 | 5.60 | - |
| 598 | Fuel and ice deallers | 233.64 | 247.04 | 243.54 | 250.57 | - | 5.90 | 5.51 | E.15 | 6.28 | - |
| 699 | Retail stores, nec .......................... | 149.08 | 13E.1E | 157.05 | 15E.7E | - | 4.45 | 4.25 | 4.58 | 4.66 | - |
|  | FINANCE, INSURANCE, AND REAL ESTATE © | 1s1.et | 1ft.73 | 155.84 | 2C6.15 | $2 C 3.64$ | 5.28 | 5.13 | 5.49 | 5.57 | 5.61 |
| 60 | banking ............................... | 164.CE | 1ec.e7 | 171.44 | 171.48 | - | 4.52 | 4.35 | 4.71 | 4.75 | - |
| 602 | Commerciel and stock savings bsaks | $1 \in 1.54$ | 157.32 | 168.90 | 1 Ef. 12 | - | 4.45 | 4.31 | 4.64 | 4.67 | - |
| 61 | CREDIT AgEncIEs Othen than banks ..... | 172.1: | 167.E4 | 178.57 | 184.51 | - | 4.69 | 4.59 | 4.85 | 4.96 | - |
| 612 | Sovinga and loan ascociations | 165.53 | 159.76 | 173.90 | $17 \in .64$ | - | $4.5 t$ | 4.45 | 4.76 | 4.80 | - |
| 614 | Parsonal credit inntitutiona ................... | 167.35 | 164.78 | 171.70 | 180.68 | - | 4.56 | 4.45 | 4.72 | 4.87 | - |
| 63 | insurance carriers .................... | 211.12 | 205.78 | 219.0 C | 221.78 | - | 5. Et | 5.E3 | 5.84 | 5.53 | - |
| 631 | Life insurance | 210.92 | 20t.tz | 220.00 | 224.47 | - | 5.67 | $5 \cdot 63$ | 5.82 | 5.97 | - |
| 632 | Medical service and heanth insurance | 20E.80 | $2 c 1 . c 8$ | 216.55 | 218.31 | - | 5.50 | E.2E | 5.77 | 5.73 | - |
| 633 | Fire, marine, and casualty insurance ........... | 210.70 | 206.28 | 217.71 | 219.70 | - | 5.71 | 3.56 | 5.50 | 5.57 | - |

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

|  | Industry | Average weekly hours |  |  |  |  | Average owertime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SIC code |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 197 \mathrm{~S} \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1980^{\circ} \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1975 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1 乌 7 S \end{aligned}$ | $\begin{aligned} & D E C \\ & 1 S 7 G \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980_{\mathrm{P}} \end{aligned}$ | FER． $1980 \mathrm{p}$ |
|  | WhOLESALE TRADE－DURABLE |  |  |  |  |  |  |  |  |  |  |
|  | GOODS－Continued |  |  |  |  |  |  |  |  |  |  |
| 505 | Metals and minerals，except petroleum ．．．． | 40.0 38.7 | 39.2 36.4 | 40.4 3 S .8 | 39.4 39.0 | － | － | － | － | － | － |
| 506 | Electrical goods | 38.7 | 2E．4 | $3 \mathrm{5},{ }^{\text {c }}$ | 39.0 | － |  |  |  | － |  |
| 507 | Hardware，plumbing，and heating equipment | 38.4 | 38.4 | 38．5 | 2E． 3 |  |  |  |  | － | － |
| 508 508 | Machinery，equipment，and supplies ．．．．．．．． | 39.9 39.8 | 39.8 36.5 | 39.8 35.4 | 39.4 36.7 | － | － | － | － | － | － |
| 509 | Miscellaneous durable goods ．．．．．．．．．．．．． | 29.4 | こと．5 | 35.4 | 3E． 7 | － | － | － | － | － | － |
| 51 | Wholesale trade－nondurable goods | 38.2 | 37.8 | 38.4 | 37.8 | － | － | － | － | － | － |
| 511 | Paper and paper products ．．．．．．．．．．．．．． | 36.5 | 26.4 | 37． 1 | 36.4 | － | － | － | － | － | － |
| 512 | Drugs，proprietaries，and sundries | 37.9 | 38.4 | 38.3 | 27：2 | － | － | － | － | － | － |
| 513 | Apparel，piece goods，and notions | 36.8 | Et．？ | 37.3 | 36.6 | － | － | － | － | － | － |
| 514 | Groceries and related products ．． | 38.5 | 37.9 | 36.5 | 32．3 | － | － | － | － | － | － |
| 516 | Chemicsls and allied products | 39.7 | 39.5 | 39.7 | 39.2 | － | － | － | － | － | － |
| 517 | Petroleum and petroleum products | 39.7 | 3¢．5 | 39．3 | $4 \mathrm{C}$. | － | － | － | － | － | － |
| 518 | Beer，wine，and distilled beverages． | 37.9 | 37.3 | 37.5 | 36.8 |  | － | － | － | － | － |
| 519 | Miscellaneous nondurable goods | 38. | 27.6 | 38.3 | 37.5 | － | － | － | － | － | － |
| 52－59 | RETAIL TRADE | 30.7 | 29.9 | 31.0 | 29.7 | 25.7 | － | － | － | － | － |
| 52 | BUILDING MATERIALS AND GARDEN SUPPLIES | $37 . E$ | 36.7 | 37.4 | 36.3 | － | － | － | － | － | － |
| 521 | Lumber and other building materials | $39 . E$ | ze．t | 35.3 | 38.4 | － | － | － | － | － | － |
| 525 | Hardware stores ．．．．．．．．．．．．．．． | 34.1 | 22．t | 34.4 | こと．s | － | － | － | － | － | － |
| 53 | GENERAL MERCHANDISE STORES | 29.5 | $27 . \xi$ | $3 C .5$ | 27.5 | － | － | － | － | － | － |
| 531 | Department stores | 29.4 | 27.7 | 30.8 | 27.7 | － | － | － | － | － | － |
| 533 | Variety stores | 29．7 | 28.0 | 31.5 | 29.2 | － | － | － | － | － | － |
| 539 | Misc．general merchandise stores | 29.4 | 2E．Ė | $3 \mathrm{C}$. | 28．4 | － | － | － | － | － | － |
| 54 | FOOD STORES | 31.7 | 31.2 | 31.4 | 30.8 | － | － | － | － | － | － |
| 541 | Grocery stores | 22.0 | 31.7 | 31.6 | 31.1 | － | － | － | $\cdots$ | － | － |
| 546 | Retail bakeries | 25.4 | 27.7 | 30.1 | 29.1 | － | － | $\cdots$ | － | － | － |
| 55 | AUTOMOTIVE DEALERS AND SERVICE STATIONS | 37.7 | 21.2 | 37.5 | 37.5 | － | － | － | － | － | － |
| 551， 2 | New and used car dealers | 38.8 | 2E．4 | 38.5 | 38.4 | $\sim$ | － | － | － | － | － |
| 553 | Auto and home supply stores | 40.5 | 40.4 | 43.7 | 40.6 | － | － | － | － | － | － |
| 554 | Gasoline service stations | 25．C | 34．t | 35.2 | 34．8 | － | － | － | － | － | － |
| 56 | APPAREL AND ACCESSORY STORES | 29.1 | 28.6 | 30.1 | 28.1 | － | － | － | － | － | － |
| 561 | Men＇s and boys＇clothing and furnishings | 32.3 | ミく．4 | 33.5 | ミ1． 6 | － | － | － | － | － | － |
| 562 | Women＇s ready－to－wear stores | 27.9 | 27.2 | 28.5 | 27.1 | － | － | － | － | － | － |
| 565 | Family clothing stores | 28.5 | 2E．2 | 25.4 | 26.9 | － | － | － | － | － | － |
| 565 | Shoe stores | 28.5 | ci 7.7 | 2S． 7 | $27 . E$ | － | － | － | － | － | － |
| 57 | FURNITURE AND HONE FURNISHINGS STORES | 35.2 | 35．C | 35．5 | 34.5 | － | － | － | － | － | － |
| 571 | Furniture and home furnishings | 35.2 | 34.8 | 35.9 | 34.9 | － | － | － | － | ＿ | － |
| 572 | Household appliance stores ．．． | 36.6 | 35．$¢$ | 36.2 | 35．2 | － | － | － | － | － | － |
| 573 | Radio，television，and music stores | 34.7 | 34.9 | 35．E | 34.4 | － | － | － | － | － | － |
| 58 | EATING AND DRINKING PLACES＊． | 24.4 | ç． 4 | 24.4 | ぐき． 2 | － | － | － | － | － | － |
| 59 | miscellaneous retail | 32.1 | 31.6 | 33.0 | 31.4 | － | － | － | － | － | － |
| 591 | Drug stores and proprietary stores | 31.2 | $3 \mathrm{C}$. | 31.6 | EC．E | － | － | － | － | － | － |
| 594 | Miscellaneous shopping goods stores | 30.7 | 30.1 | 32.0 | 29.6 | － | － | $=$ | － | － | － |
| 596 | Nonstore retailers ．．．．．．．．．．．．．． | 33.5 | ミミ．2 | 35.4 | 33.2 | － | － | － | － | $\rightarrow$ | － |
| 598 599 | Fuel and ice dealers Retail stores，nec | 39.6 33.5 | 41.8 31.8 | $35 . E$ 34.3 | 35.5 33.0 | － | － | － | － | － | － |
| 599 | Retail stores，nec |  | 31.8 | 34.3 | 33.0 |  | － |  |  |  |  |
|  | FINANCE，INSURANCE，AND REAL ESTATE ${ }^{6}$ | 36.3 | 36.4 | 36.4 | 36.3 | 36.3 | － | － | － | － | － |
| 60 | BANKING | 36.3 | 36.6 | 36.4 | 2E． 1 | － | － | － | － | － | － |
| 602 | Commercial and stock savings banks | 36.3 | 36.5 | 36.4 | 36.0 | － | － | － | － | － | － |
| 61 | CREDIT AGENCIES OTHER THAN BANKS | 36.7 | 36.5 | 36.5 | 27.2 | － | － | － | － | － | － |
| 612 | Sevings and loan associations ．．．．．．．．．．． | 36.3 | 35．5 | $37 . \mathrm{C}$ | 36.8 | － | － | － | － | － | － |
| 614 | Personal credit institutions．．．．．． | 36.7 | ミ6．7 | 36.3 | 37.1 | － | － | － | － | － | － |
| 63 | INSURANCE CARRIERS | 37.9 | 27.2 | 37.5 | 37.4 | － | － | － | － | － | － |
| 631 | Life insurance ．．． | 37.8 | 36.7 | 37.8 | 37.6 | － | － | － | － | － | － |
| 632 | Medical service and health insurance | 37.6 | 38.3 | 37.6 | 38.1 | － | － | － | － | － | － |
| 633 | Fire，marine，and casualty insurance ．．．．．．． | 3E．s | 37.1 | 36.5 | Et．E | － | － | － | － | － | － |

## ESTABLISHMENT DATA HOURS AND EARNINGS

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

|  | Industry | Avarage meokly earningt |  |  |  |  | Average hourly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { SIC } \\ \text { Code } \end{gathered}$ |  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & J A N . \\ & 1 \varsigma \& C P \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1989 p \end{aligned}$ | $\begin{aligned} & \text { AVG } \\ & 1975 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 157{ }^{2} \end{aligned}$ | $\begin{aligned} & \text { OEC } \\ & 1575 \end{aligned}$ | JAN. <br> 1980P | FER. $1980 \mathrm{P}$ |
|  | SERVICES | \$175.27 | \$169.45 | \$183.68 | \$182.ta | s 184.60 | \$5.36 | \$5.23 | \$E.EC | \$5.65 | \$5.68 |
| 701 | HOTELS AND OTHER LODGING PLACES: <br> Hotels, motels, and tourist courts | 122.98 | 116.70 | 126.65 | 125.63 | - | 3.98 | 3.85 | 4.15 | 4.23 |  |
| 721 | PERSONAL SERVICES: <br> Laundry, cleaning, and garment services | 141.04 | 135.83 | 146.20 |  | - |  |  |  |  |  |
| 723 | Beauty shops ........................... | 127.10 | 116.10 | 132.58 | 126.27 | - | 4.10 | 3:87 | 4.2\% 4.18 | 4.34 4.14 | - |
| 73 | BUSINESS SERVICES | 178.32 | 170.E6 | 187.35 | 188.35 | - | 5.47 | \#. 30 | E.Et | 5.76 | - |
| 731 | Advertising | 271.8三 | 2E3.EE | 284.61 | 284.t1 | - | 7.53 | 7.33 | 7.95 | 7.95 | - |
| 734 | Services to buildings | 128.38 | 124.35 | 133.38 | 135.46 | - | 4.72 | 4.64 | 4.85 | 4.98 | - |
| 737 | Computer and data processing services | 221.7E | 21c.zis | 245.5¢ | 245.48 | - | 6.35 | 6.04 | 6.71 | 6.80 | - |
| 75 | AUTO REPAIR, SERVICES, AND GARAGES | 210.04 | 157.25 | 220.59 | 221.49 | - | 5.60 |  |  | 5.57 | - |
| 753 | Automotive repair shops | 232.46 | 2ic.ż | 242. 12 | 24E.95 | - | 5.93 | 5.72 | 6.25 | 6.32 | - |
| 76 | miscellaneous repair services | $2 \in 0.42$ | 252.53 | 274.58 | 269.75 | - | 6.43 | E.22 | 6.7? | E. 83 | - |
| 78 | MOTION PICTURES | 200.29 | 155.36 | 240.40 | 236.1C | - | 7.31 | 7.13 | 2. 71 | 8. 68 | - |
| 781 | Motion picture production and services | 355.74 | 377.48 | 463.35 | 466.26 | - | 10.41 | 9.56 | 12.39 | 12.27 | - |
| 79 | AMUSEMENT AND RECREATION SERVICES .. | 153.00 | 150.80 | 157.53 | 15¢.Cl | - | 5.cc | 4.95 | 5.34 | 5.39 | - |
| 80 | HEALTH SERVICES | 170.t1 | 1 ¢5.4c | 176.67 | 17E.76 | - | 5.17 | 5.03 | 5.37 | 5.45 | - |
| 801 | Offices of physicians | 176.25 | 170.69 | 183.63 | 182.41 | - | 5.39 | 5.22 | $5 . \in 5$ | 5.63 | - |
| 802 | Offices of dentists | 148.85 | 142.64 | $151 . C 5$ | 152.4 C | - | 5.14 | 4.57 | 5.21 | 5.31. | - |
| 805 | Nursing and personal care facilities | 215.58 | 118.42 | $121 . e 4$ | 125.56 | - | 3.87 | 3.E2 | 3.55 | 4.09 | - |
| 806 | Hospitals. | 187.42 | 162.25 | 195.28 | 198.4t | - | 5.48 | 5.2 2 | 5.71 | 5.82 | - |
| 81 | legal services | 229.50 | 219.41 | 24E.74 | 24E.7C | - | 6.75 | E. 53 | 7.C7 | 7.04 | - |
| 89 | miscell | 293.76 | 267. 54 | 367.75 | $3 C 5.5 \check{c}$ | - | 7.65 | 7.43 | 8.12 | 8.04 | - |
| 891 | Engineering and architectural services. | 326.52 | 308.46 | 331.57 | 32 E .C4 | - | 8.2 C | 7.55 | 8.55 | 8.61 | - |
| 893 | Accounting, auditing, and bookkeeping ....... | 256.2̇ | C47.4C | 2¢5.51 | 27C.27 | - | 6.69 | t.ze | 7.11 | 6.53 | - |

[^13] ployees in establishments reporting hours and earnings data.

[^14]C－2．Gross hours and earnings of production or nonsupervisory workers＇on private nonagricultural payrolls by induatry－Continued

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Industry | Average weokly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { AVE. } \\ & \text { 1979 } \end{aligned}$ | $\begin{aligned} & \mathrm{JAN} \\ & 1 \varsigma 7 ¢ \end{aligned}$ | $\begin{array}{\|l\|l\|} \text { CEC. } \\ 1575 \end{array}$ | $\begin{aligned} & \mathrm{JAN} . \\ & 1980 \mathrm{p} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \text { FEB } \\ & 1980 \mathrm{p} \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}\right.$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | JAN． <br> 1980 p | FE 8. $1980 \text { P }$ |
|  | SERVICES | 22.7 | ミ2．4 | 32.8 | 32．5 | 32.5 | － | － | － | － | ． |
| 701 | hotels and other lodging places： <br> Hotels，motels，and tourist courts | 20.5 | 3 CO | 3C．E | 25.7 | ＊ | － | － | － | － |  |
| 721 | PERSONAL SERVICES： Loundry，cleaning，and garment services | 34.4 | 34.2 | 34.4 | $32 . \varepsilon$ | － | － | － | － | － | － |
| 723 | Beauty shops ．．．．．．．．．．．．．．．．．．．．． | 31.0 | 30.0 | 31.8 | 30.5 | － | － | － | － | － | － |
| 73 | business services | 22．6 | ミこ．z | 32.1 | ミ2．7 | － | － | － | － | － | － |
| 731 | Advertising | 36.1 | 36.0 | 35.8 | 35.8 | － | － | － | － | － | － |
| 734 | Servicess to buildings ．．．．．． | 27.2 | 2t．E | 27.5 | 27.2 | － | － | － | － | － | － |
| 737 | Computer and data processing services | 36.5 | 36.2 | $36 . t$ | 36.1 | － | － | － | － | － | － |
| 75 | auto repalr，services，and garages | 27．E | E6．${ }^{\text {c }}$ | 37.5 | E7．1 | － | － | － | － | － | － |
| 753 | Automotive repair shops | 39.2 | 38.5 | 38.9 | 2¢．t | － | － | － | － | － | － |
| 76 | miscellaneous repair services | 40.5 | $4 C .6$ | $4 \mathrm{C.E}$ | ミ¢．E | － | － | － | － | － | － |
| 78 | motion pictures | 27.4 | 27.4 | 27.6 | 27.2 | － | － | － | － | － | － |
| 781 | Motion picture production and services | 38.4 | ミ7．5 | 27.4 | $3 \mathrm{E} . \mathrm{c}$ | － | － | － | － | － | － |
| 79 | amusement and recreation services | 20.6 | 3 C .1 | 29.5 | 29.5 | － | － | － | － | － | － |
| 80 | health services | 33.0 | 32.5 | 32.9 | 22.8 | － | － | － | － | － | － |
| 801 | Offices of physicians | 32.7 | 32.1 | 32.5 | 32.4 | － | － | － | － | － | － |
| 802 | Offices of dentists | 28.5 | こと． 7 | 25.0 | 2 E 7 | － | － | － | － | － | － |
| 805 | Nursing and personal care facilities | 30.5 | 31.0 | 30.8 | 30.7 | － | － | － | － | － | － |
| 806 | Hospitals | 34.2 | E4． 8 | 34.2 | 34.1 | － | － | － | － | － | － |
| 81 | legal services | 34.0 | 33.6 | 34.9 | 34.9 | － | － | － | － | － | － |
| 89 | miscellaneous services | 38.2 | 38.7 | 31.5 | $3 \mathrm{E.C}$ | － | － | － | － | － | － |
| 891 | Engineering and architectural services． | 38.6 | 38.8 | 38.6 | 38.1 | － | － | － | － | － | － |
| 893 | Accounting，auditing，and bookkeeping | 38.3 | ミع．¢ | 37.4 | Es．c | － | － | － | － | － | － |

## ESTABLISHMENT DATA <br> HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earmings in the Executtve Branch of the Federal Government


NOTE: The hours and earnings avergges presented in this table have been computed using data collected by the Office of Personnel Management from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both super-
visory and nonsupervibory, they are not comparable to similar data presented in table C-2 which relate only. to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

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

| Major induatry mroup | Average hourly earnings excluding overtime ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { AVG: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & D E C . \\ & 1975 \end{aligned}$ | $\begin{gathered} \operatorname{Jan}_{1 S \in C} p \end{gathered}$ | $\begin{aligned} & \text { FEE } \mathrm{P} \\ & \text { 1980 } \end{aligned}$ |
| MANUFACTURING | \$6.42 | \$t. 22 | 96.69 | \$t. 70 | \$t. 74 |
| durable goods | 6.8 ? | C.til | 7.11 | 7.15 | 7.17 |
| Lumber and wood products | 5.83 | 5.55 | 6.01 | 5.58 | - |
| Furniture and fixtures | 4.92 | 4.73 | 5.11 | 5.13 | - |
| Stone, clay, and glass products | 6.49 | 6.25 | 6.77 | t. 76 | - |
| Primary metal industries ...... | 8. 57 | 8.20 | 8.91 | 8.91 | - |
| Fabricated meta! products | 6.54 | C.33 | 6.83 | 6.75 | - |
| Machinery, except electrical | 6.55 | 6.75 | 7.26 | 7.30 | - |
| Electric and electronic equipment | 6.14 | ¢. 50 | 6.40 | t.45 | = |
| Transportation equipment | 8.11 | 7.87 | $8.5 t$ | 8.44 | - |
| Instruments and related products | 5.98 | E.80 | 6.27 | 6.37 | - |
| Miscellaneous manufacturing industries | 4.89 | 4.EC | 5.66 | 5.16 | - |
| NONDURABLE GOODS | 5.78 | E.CC | 6.02 | 6.06 | 6.05 |
| Food and kindred products | 5.98 | E.E1 | 6.25 | t. 3 ? | - |
| Tobacco manufactures | t.et | 6.30 | 6.83 | t.se | - |
| Textile mill products | 4.47 | 4.32 | 4.65 | 4.65 | - |
| Apparel and other textile products | 4.18 | 4.12 | 4.32 | $4 . \pm 1$ | - |
| Paper and allied products | 6.74 | t.43 | 7.11 | 7.10 | - |
| Printing and publishing | $6 . t \in$ | ¢.4s | 6.51 | t. ¢t | - |
| Chemicals and allied products | 7.25 | 7.02 | 7.61 | 7.64 | - |
| Petroleum and coal products | E.52 | \%.Es | 9.06 | 5.12 | - |
| Rubber and misc. plastics products | 5.73 | 5.56 | 5.98 | C.CE | - |
| Leather and leather products | 4.14 | 4.05 | 4.26 | 4.37 | - |

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

## ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Grose and spendable average weekly eamings of production or noneupervisory workers' on private nonagricultural payrolle by Industry division, In current and 1867 dollara

| Industry | Grow merrap wakly sarning |  |  | Spendable average wookly emrinint ${ }^{2}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Worker whth no dependomit |  |  | Married worker with 3 dependents |  |  |
|  | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \mathrm{Jan}{ }^{\mathrm{p}} \mathrm{p} \\ & 1980^{2} \end{aligned}$ | $\begin{aligned} & \text { AVG. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1974 \end{aligned}$ | $\begin{aligned} & \text { Jang } \\ & 1980^{p} \end{aligned}$ | $\begin{aligned} & \text { AVG。 } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \operatorname{Jan}_{1980} \mathrm{p} \end{aligned}$ |
| TOTAL PRIVATE: <br> Current dollars <br> 1967 doltars | $\begin{array}{r} \$ 19.91 \\ 101.02 \end{array}$ | $\left\|\begin{array}{r} \$ 229.40 \\ 99.74 \end{array}\right\|$ | $\begin{array}{\|} \$ 225.34 \\ 96.59 \end{array}$ | $\left.\begin{array}{\|r} \$ 178.00 \\ 81.76 \end{array} \right\rvert\,$ | $\left.\begin{array}{r} \$ 184.84 \\ 80.37 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|r} \$ 181.96 \\ 77.99 \end{array} \right\rvert\,$ | $\begin{array}{r} \$ 194.82 \\ 89.49 \end{array}$ | $\begin{array}{r} \$ 202.08 \\ 87.86 \end{array}$ | $\begin{array}{r} \$ 199.00 \\ 85.30 \end{array}$ |
| MINING: <br> Current dollars <br> 1987 dollars | $\begin{aligned} & 364.64 \\ & 167.50 \end{aligned}$ | $\begin{aligned} & 383.25 \\ & 166.63 \end{aligned}$ | $\begin{aligned} & 383_{n} 18 \\ & 164.024 \end{aligned}$ | $\begin{aligned} & 275.11 \\ & 126.37 \end{aligned}$ | $\begin{aligned} & 286.43 \\ & 124.53 \end{aligned}$ | $\begin{aligned} & 286.39 \\ & 122.76 \end{aligned}$ | $\begin{aligned} & 302.92 \\ & 139.15 \end{aligned}$ | $\begin{aligned} & 316.48 \\ & 137.60 \end{aligned}$ | $\begin{aligned} & 316.43 \\ & 135.63 \end{aligned}$ |
| CONSTRUCTION: <br> Current dallars <br> 1967 dollars | 341.69 156.95 | 355.05 154.37 | 331.20 141.96 | 260.45 119.64 | 268.98 116.95 | $\begin{aligned} & 253.75 \\ & 108.77 \end{aligned}$ | 286.20 134.47 | $\begin{aligned} & 295.93 \\ & 128.67 \end{aligned}$ | $\begin{aligned} & 278.56 \\ & 119.40 \end{aligned}$ |
| MANUFACTURING: <br> Current dollars <br> 1967 dollars | $\begin{aligned} & 268.94 \\ & 123.54 \end{aligned}$ | $\begin{aligned} & 285.07 \\ & 128_{.} 94 \end{aligned}$ | $\begin{aligned} & 276.61 \\ & 118.56 \end{aligned}$ | $\begin{array}{r} 212.43 \\ 97.58 \end{array}$ | $\begin{array}{r} 223.38 \\ 97.12 \end{array}$ | $\begin{array}{r} 217.64 \\ 93.29 \end{array}$ | $\begin{aligned} & 232.07 \\ & 106.60 \end{aligned}$ | $\begin{aligned} & 244.31 \\ & 106.22 \end{aligned}$ | $\begin{aligned} & 237.89 \\ & 101.97 \end{aligned}$ |
| TRANSPORTATION AND PUBLIC UTILITIES: <br> Current dollors <br> 1987 dollars | 326.38 149.92 | 342.00 148.70 | 335.62 143.068 | 250.67 115.14 | 260.65 113.33 | 256.57 109.57 | 275.04 126.34 | 286.43 124.53 | $\begin{aligned} & 281.78 \\ & 120.78 \end{aligned}$ |
| WHOLESALE AND RETAIL TRADE: <br> Curfent dollars <br> 1967 dollars | $\begin{array}{r} 164.96 \\ 75.77 \end{array}$ | $\begin{array}{r} 170.42 \\ 74.10 \end{array}$ | $\begin{array}{r} 169.81 \\ 72.79 \end{array}$ | $\begin{array}{r} 137.60 \\ 63.21 \end{array}$ | $\begin{array}{r} 141.68 \\ 61.60 \end{array}$ | $\begin{array}{r} 141.23 \\ 60.54 \end{array}$ | $\begin{array}{r} 154.97 \\ 71.19 \end{array}$ | $\begin{array}{r} 158.77 \\ 69.03 \end{array}$ | $\begin{array}{r} 158.36 \\ 67.88 \end{array}$ |
| FINANCE, INSURANCE, AND REAL ESTATE: <br> Curtent dollars 1987 dollers | 191.66 88.04 | 199.84 86.89 | $\begin{array}{r} 202-19 \\ 86,67 \end{array}$ | 157.41 72.31 | 163.37 71.03 | 165.09 70.76 | 172.91 79.43 | 179.20 77.91 | $\begin{array}{r} 181.03 \\ 77.60 \end{array}$ |
| SERVICES: <br> Current dollars <br> 1967 dollars | $\begin{array}{r} 175.27 \\ 80.51 \end{array}$ | $\begin{array}{r} 183.68 \\ 79.86 \end{array}$ | $\begin{array}{r} 183.63 \\ 78.71 \end{array}$ | $\begin{array}{r} 145.31 \\ 66.75 \end{array}$ | $\begin{array}{r} 151.60 \\ 65.91 \end{array}$ | $\begin{array}{r} 151.56 \\ 64.96 \end{array}$ | $\begin{array}{r} 162.04 \\ 74.43 \end{array}$ | $\begin{array}{r} 167.69 \\ 72.91 \end{array}$ | $\begin{array}{r} 167.66 \\ 71.86 \end{array}$ |
| CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS ICPI.W. All items, 1987=100) | 217.7 | 230.0 | 233.3 |  |  |  |  |  |  |

## ESTABLISHMENT DATA

HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group

| Industry division and group | $\begin{aligned} & \text { AVG } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { FEB. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { CEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \mathrm{p} \\ & 1580^{2} \end{aligned}$ | $\begin{aligned} & \text { FEB }{ }^{19}{ }^{p} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Hour: |  |  |  |  |
| TOTAL PRIVATE. | 125.4 | 120.4 | 128.t | 122.2 | 122.0 |
| GOODS-PRODUCING.... | 109.6 | 164.8 | 11C.s | 104.2 | 103.9 |
| MINING | 154.5 | 146.9 | 161.2 | 158.3 | $15 t .4$ |
| CONSTRUCTION | 132.7 | 105.0 | 134.t | 114.7 | 114.2 |
| MANUFACTURING | 103.5 | 1 C3. 3 | 16E.C | 100.5 | 100.2 |
| DURABLE GOODS .. . . . . . | 107.2 112.0 | 107.6 108.4 | 108.4 | 102.3 100.8 | 103.3 99.9 |
| Lumber and wood products. | 112.0 $106 . t$ | 168.4 107.2 | 10 ¢. 110.0 | 100.8 195.0 | 99.9 102.6 |
| Stone, clay, and glass products. | 111.5 | $1 \mathrm{C4.5}$ | 110.2 | 101.9 | 101.0 |
| Primary metal industries | 97.1 | 99.1 | 52.1 | 51.1 | 90.7 |
| Fabricatéd metal products. | 106.4 | 136.4 | 109.2 | 103.t | 103.4 |
| Machinery, except elecrical. | $116 . \mathrm{C}$ | 118.1 | 117. 5 | 116.6 | 116.5 |
| Electric and electronic equipment | 107.4 | 136.7 | 112.1 | 108. 5 | 107.8 |
| Transportation equipment . . | 99.4 | 103.4 | 102.4 | 90.3 | 92.2 |
| Instruments and related products. | 128.1 | 128.3 | 121.3 | 129.1 | 129.5 |
| Miscellaneous manufacturing industries | 100.5 | 97.4 | 100.7 | 96.? | 97.4 |
| nondurable goods | 99.0 | 97.1 | 1CC.0 | ¢¢. 5 | 95.8 |
| Food and kindred products | 56.5 | 50.3 | 96.5 | 90.9 | 88.5 |
| Tobacco manufactures. | $70 . \mathrm{C}$ | 67.6 | 72. 5 | 67.1 | 63.9 |
| Textile mill products | 50.2 | 89.4 | 53.1 | 91.1 | 91.2 |
| Apparel and other textile products | 88.8 | ع8.7 | 88.8 | 86.2 | 87.9 |
| Paper and allied products........ | 102.4 | 99.6 | 164.7 | 102.2 | 100.7 |
| Printing and publishing .. | 103.8 | 101.7 | 108.2 | 104.8 | 104.8 |
| Chemicals and allied products Petroleum and coal products. | 108. | 106.5 | 1cs. 4 | 107.6 | 107.7 |
| Petroleum and coal products ..... Rubber and misc. plastics products | 124.5 148.4 | 117.3 152.8 | 123.8 144.3 | 110.8 | 85.5 138.4 |
| Rubber and misc. plastics products Leather and leather products. . . | 14.9 | 154.8 64.8 | 144.3 65.2 | ¢3. ${ }^{\text {E }}$ | 64.5- |
| SERVICE-PRODUCING | 12t.E | 1.21.3 | 14.8. | 134.7 | 134.7 |
| TRANSPORTATION AND PUBLIC UTILIties | 114.2 | 111.2 | 116.5 | 111.9 | 111.8 |
| whol esale and retail TRADE | 130.2 | 124.4 | 137.1 | 127.1 | 125.9 |
| WHOLESALE TRADE RETAIL TRADE | 132.5 129.4 | 128.3 | 135.1 137.5 | 131.7 125.3 | $\begin{aligned} & 131 . \epsilon \\ & 123.7 \end{aligned}$ |
| FINANCE, INSURANCE, AND REAL ESTATE | 145. 5 | 142.6 | 147.s | 147.1 | 147.7 |
| SERVICES. | 152. 6 | 146.7 | 155.1 | 152.0 | 153.5 |

C-6. Indexes of aggregate weekly hours and payrolis of production or nonsupervisory workers' on pivate nonagricultural payrolis by industry division and major manufacturing group-Continued
[1967=100]


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

| Industry | 1575 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEB. | mar. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | cct. | nCv. | CEC. | JAN. P | FEB. P |
| TOTAL PRIVATE | 35.7 | 35.9 | 35.3 | 35.7 | 35.6 | 35.6 | 35.6 | 35.7 | 35.6 | 25.7 | 2: 7 | 35.6 | 35.4 |
| MINING | 43.1 | 43.1 | 42.9 | 42.8 | 42.0 | 41.6 | 42.2 | 43.1 | 43.1 | 43.2 | 43.9 | 44.2 | 43.5 |
| CONSTRUCTION | 36.4 | 37.1 | 35.5 | 27.1 | 37.2 | 36.8 | 37.2 | 37.5 | 36.6 | 36.8 | 37.1 | 37.4 | 36.7 |
| MANUFACTURING | 40.4 | 40.6 | 35.1 | 40.2 | 40.1 | 40.2 | 40.1 | 40.2 | 40.2 | 40.1 | 40.2 | 40.3 | 40.1 |
| Overtime hours | 3.7 | 3.7 | 2.7 | 3.5 | 3.4 | 2.3 | 3.2 | 3.2 | 3.2 | 3.3 | 3.2 | 3.2 | 3.1 |
| DUAABLE 00008 . . . . . . . . . . . . . . . . . | 41.4 | 41.4 | 35.5 | $4 \mathrm{C}$. | 40.7 | 40.7 | $4 \mathrm{C}$. | 40.7 | 40.8 | 40.6 | 40.7 | 40.9 | 40.6 |
| Overtime hours | 4.1 | 4.0 | 2.7 | 3.8 | 3.6 | 3.5 | 3.3 | 3.3 | 3.3 | 2.4 | 3.3 | 3.3 | 3.1 |
| Lumber and wood products | 39.6 | 40.0 | 39.1 | 39.4 | 39.4 | 35.3 | 39.5 | 39.7 | 39.4 | 38.9 | 39.0 | 39.8 | 38.9 |
| Furniture and fixtures ................. | 38.8 | 35.1 | 38.1 | 28.9 | 38.5 | 38.4 | 38.3 | 38.6 41.5 | 38.8 41.3 | 38.9 41.5 | 35.0 41.6 | 39.1 41.3 | 39.0 40.8 |
| Strone, clay, and glasy productı . . . . . . . . Primary motal induutries ............. | 41.6 | 42.0 | 41.2 41.8 | 41.7 | 41.6 | 41.4 41.3 | 41.3 | 41.5 41.0 | 41.3 41.1 | 41.5 | 41.6 42.6 | 41.3 40.7 | 40.8 40.6 |
| Fabricated metal products . | 41.2 | 41.3 | \$9.1 | 4 C .7 | 40.7 | 40.8 | 40.6 | 40.7 | 40.9 | 40.7 | 41.0 | 40.9 | 40.8 |
| Machinsery, excapt alectrical | 42.5 | 42.4 | 40.5 | 42.0 | 42.0 | 41.9 | 41.6 | 41.9 | 41.6 | 41.6 | 41.6 | 41.6 | 41.4 |
| Electric and electronic equipment | 40.7 | 40.7 | 35.0 | 40.4 | 40.3 | 40.2 | 39.8 | 40.3 | 40.3 | 40.6 | 4 C .5 | 40.3 | 40.3 |
| Transportation equipment ..... | 42.7 | 42.3 | 37.9 | 41.5 | 40.8 | 4 C .5 | 41.7 | 40.6 | 41.3 | 40.6 | 41.0 | 41.3 | 41.2 |
| Instruments and related producta | 41.2 | 41.2 | 40.3 | 40.8 | 40.6 | 40.7 | 40.5 | 40.6 | 40.7 | 41.0 | 40.8 | 41.6 | 40.9 |
| Miscallaneous manutacturing ind | 39.0 | 39.0 | 37.6 | 28.6 | 38.9 | 39.3 | 39.1 | 35.1 | 39.1 | 39.1 | 39.2 | 39.4 | 39.6 |
| NONDURABLE GOODS ................. | 29. 3 | 39.4 | 38.6 | 29.2 | 39.2 | 39.2 | 25.2 | 29.3 | 35.3 | 29.4 | 35.4 | 39.5 | 39.3 |
| Overtime houre | 3.2 | 3.3 | 2.7 | 2.0 | 2.6 | 3.C | 3.0 | 2.1 | $3 . C$ | 3.2 | 3.1 | 3.1 | 3.0 |
| Food and kindred products | 39.8 | 40.0 | 29.6 | 25.8 | 35.8 | 39.8 | 39.7 | 40.0 | 39.9 | 40.0 | 39.9 | 39.9 | 39.5 |
| Tobscco manufactures . . | 36.9 | 38.0 | 37.6 | 38.9 | 37.6 | 38.5 | 38.6 | 38.6 | 38. 3 | 37.8 | 38.8 | 38.5 | 36.8 |
| Textile mill products .. | 40.1 | 40.3 | 38.8 | 49.0 | 40.1 | 40.1 | 40.1 | 40.6 | 40.8 | 41.1 | 41.0 | 41.7 | 41.2 |
| Apparel and other textile products | 35.4 | 35.4 | 34.2 | 35.2 | 35.2 | 3:-3 | 35. 3 | 35.3 | 35.3 | 35.3 | 35.6 | 35.9 | 35.8 |
| Paper and allied produets | 42.7 | 42.8 | 41.8 | 42.6 | 42.5 | 42.5 | 42.6 E | 42.4 37.5 | 42.6 | 42.7 | 48.9 37.4 | 42.8 37.9 | 42.6 |
| Printing and publishing | 37.7 | 37.7 | 37.1 | 27.4 | 37.4 | 37.5 | 37.7 | 37.5 | 37.4 | 37.6 | 37.4 | 37.9 | 37.4 |
| Chemicals and allied products | 42.0 $42 . t$ | 41.9 | 41.7 43.9 | 41.9 43.7 | 41.7 43.3 | 41.9 43.6 | $42 . c$ 43.7 | 41.7 | 41.7 | 41.9 | 41.7 | 41.9 | 41.8 |
| Petroleum and coal products ..... | $43 . t$ | 44.0 | 43.9 39.7 | 4 C .5 | 40.7 | 40.6 | $4 \mathrm{C}, 2$ | 40.3 | 40.3 | 40.0 | 35.9 | 40.6 | 39.6 |
| Leather and leather products ...... | 2 E .4 | 3e. 3 | 35.6 | 36.1 | 36.4 | 36.6 | 36.5 | 37.0 | 36.5 | 36.7 | 36.9 | 37.4 | 37.4 |
| TRANSPORTATION AND PUBLIC UTILITIES | 49.0 | 40.0 | 35.2 | 39.8 | 39.8 | 39.7 | 39.9 | 39.9 | 39.9 | 40.2 | 35.8 | 39.7 | 39.4 |
| WHOLESALE AND RETAIL TRADE | 32.: | 32.7 | 32.8 | 32.6 | 32.6 | 32.6 | 32.5 | 32.6 | 32.6 | 32.7 | 22.6 | 32.4 | 32.2 |
| WHOLESALE TRADE RETAIL TRADE | 38.7 30.6 | 39.0 30.7 | 38.7 $3 \mathrm{C}$.9 | 39.0 30.6 | 38.8 30.6 | 28.8 30.6 | 38.7 30.5 | 38.7 30.7 | 38.8 30.6 | 38.9 30.7 | 38.5 36.6 | 38.7 30.4 | 38.6 30.2 |
| FINANCE, INSURANCE, AND REAL ESTATE | 36.4 | 36.4 | 2t. E | 2e.1 | 36.2 | 36.3 | 36.1 | 36.4 | 36.2 | 36.5 | 36.4 | 36.2 | 36.3 |
| SERVICES | 32.6 | 32.8 | 32.7 | 32.7 | 32.7 | 32.8 | 32.7 | 22.7 | 32.6 | 22.7 | 22.9 | 32.7 | 32.7 |

[^15]C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

| Indurtry division end group | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEB. | MAR. | APR. | may | JUNE | JULY | aUg. | SEPT. | CCT. | NCV. | CEC. | JAN.P | FEB. ${ }^{\text {P }}$ |
| TOTAL PRIVATE | 124.7 | 125.7 | 123.6 | 125.4 | 125.7 | 125.7 | 125.5 | 125.s | 125. E | 126.3 | 12t.t | 126.7 | 126.4 |
| GOODS-PRODUCING | 110.2 | 111.3 | 10t.8 | 116.3 | 11c. 1 | 105.5 | 1cs. 4 | 1 Cs. 7 | 109.0 | 108.7 | 109.6 | 110.4 | 109.5 |
| MINING | 152.E | 152.5 | 152.0 | 151.6 | 152.5 | 148.4 | 156.7 | 157.4 | 158.1 | 158.4 | 1Ez.? | $1 \in 5.2$ | 162.4 |
| CONSTRUCTION | 126.7 | 132.7 | 124.9 | 132.7 | 134.4 | 132.5 | 134.5 | 135.4 | 132.7 | 133.7 | 137.1 | 141.7 | 137.7 |
| MANUFACTURING | 105.E | 1ct. 0 | 102.0 | 164.7 | 104.3 | 104.4 | 103.3 | $1 \mathrm{C3} .4$ | 103.1 | 102.5 | 102.9 | 102.9 | 102.6 |
| durable goods | 109.5 | 110.1 | 105.0 | 108.3 | 107.9 | 107.9 | 106.8 | 107.1 | 106.2 | 105.1 | 105.t | 105.3 | 105.4 |
| Lumber and wood products | 114.9 | 116.4 | 112.4 | 112.3 | 112.7 | 111.9 | 112.3 | 113.6 | 113.3 | 110.1 | 108.3 | 108.9 | 105.8 |
| Furniture and fixtures | 109.1 | 109.4 | 105.8 | 105.9 | 105.3 | 105.9 | 104. 5 | 104.8 | 105.s | 106.2 | 10t. 4 | 136.7 | 105.6 |
| Stone, clay, and glass products | 112.8 | 114.9 | 111.5 | 113.1 | $113 . c$ | 111.5 | 110.8 | 111.2 | 110.6 | 110.4 | 110.8 | 110.0 | 108.9 |
| Primery metal industries | 100.3 | 100.2 | 99.7 | 97.9 | 97.9 | 57.8 | 55.9 | 55.3 | 94.6 | 53.1 | 51.8 | 91.7 | 91.8 |
| Fabricated metal products | 108.7 | 108.6 | 102.7 | 106.6 | 137.1 | 106.7 | 104.8 | 105.4 | 106.1 | 105.8 | 106.4 | 104.9 | 105.7 |
| Machinery, except electrical | 117.4 | 117.5 | 112.0 | 117.4 | 117.6 | 118.0 | 116.2 | 117.7 | 114.3 | 113.6 | 112.5 | 116.4 | 115.8 |
| Electric and electronic equipment | 107.8 | 108.5 | 104.4 | 108.2 | 108.6 | 178.5 | 104.7 | 107.2 | 107.6 | 108.1 | 108.8 | 109.4 | 108.9 |
| Transportation equipment | 10t.s | 105.9 | ¢4.3 | 1C2.t | S5.4 | 100.3 | 102.6 | 100.1 | 97.4 | 53.7 | 96.7 | 91.9 | 95.2 |
| Instruments and related products | 129.4 | 125.7 | 127.2 | 128.1 | 128.4 | 128.1 | 127.2 | 127.2 | 127.8 | 127.8 | 128.1 | 130.7 | 130.3 |
| Miscellameous manufacturing ind | 101.7 | 101.7 | ¢7.5 | 98.7 | 133.3 | 100.7 | 100.8 | 99.9 | 99.9 | 59.9 | 101.4 | 102.2 | 101.8 |
| nondurable goods | 99.8 | 100.1 | 97.8 | 99.5 | 99.1 | Sc. 1 | ¢8.2 | 58.1 | 98. 5 | c9.8 | ss. 0 | 99.6 | 58.5 |
| Food and kindred products | 97.0 | Se.1 | 96.8 | 97.0 | 96.8 | 95.9 | 94.6 | 95.0 | 96.1 | 96.5 | 57.0 | 96.4 | 55.5 |
| Tobecco manufactures | 70.0 | 73.4 | 73.5 | 76.5 | 72.6 | 7ミ.0 | te. 7 | 70.5 | 69.9 | t1.1 | ¢ 5.4 | 67.6 | 65.9 |
| Textile mill products | 90.3 | 50.6 | 66.7 | 89.5 | 89.6 | 89.8 | 89.0 | 85.8 | 90.6 | 51.8 | 51.8 | 93.3 | 52.3 |
| Apparel and other textile products | 50.3 | 85.9 | 8 E.E | E¢.s | e8.7 | 89.E | ce. $C$ | 87.5 | 87.9 | 87.3 | 88.4 | 89.9 | 89.7 |
| Paper and allied products | 101.8 | 103.0 | 100.8 | 102.3 | 102.1 | 1 C 2.2 | 103.1 | 102.2 | 102.7 | 1 c2.8 | 1C3. 2 | 103.6 | 103.3 |
| Printing and publishing | 103.1 | 103.4 | 101.7 | 103.1 | 103.3 | 104.4 | 104.7 | 103.9 | 104.3 | 105.9 | 1CE.1 | 107.1 | 106.2 |
| Chemicals and allied products | 108.5 | 108.1 | 107.7 | 1 CE.3 | 108.4 | 108.8 | $1 \mathrm{CE}, 2$ | $1 \mathrm{C7.6}$ | 107.9 | 1 (2.6 | 1c8.6 | 109.5 | 109.4 |
| Petroleum and coal products | 123.9 | 125.0 | 125.7 | 124.2 | 123.1 | 122.0 | $124 . \overline{2}$ | 126.2 | 125.1 | 128.5 | 12t. 3 | 136.0 | 54.5 |
| Rubber and misc. Plastics products | 154.0 | 154.4 | 148.4 | 1:3.4 | 15c.4 | 150.5 | 145.6 | 143.5 | 143.5 | 142.5 | 140.9 | 143.9 | 139.6 |
| Leather and leather products | 66.6 | 66.1 | 63.9 | $6 \leq .4$ | $6 \epsilon .0$ | t1.3 | 64.9 | 66.1 | 65.2 | 64.9 | 65.0 | 65.5 | 66.2 |
| SERVICE-PRODUCING | 134.E | 125.8 | 135.3 | 1:5.9 | 136.5 | 1ミt. 7 | 13t.t | 137.2 | 137.5 | 138.5 | 138.4 | 138.1 | 138.2 |
| TRANSPORTATION AND PUBLIC UTILITIES | 113.3 | 113.7 | 105.2 | 113.4 | 115.0 | 114.2 | 115.2 | 114.9 | 115.8 | 116.9 | 115.4 | 114.5 | 113.6 |
| WHOLESALE AND RETAIL TRADE | 129.2 | 130.2 | 130.t | 136.2 | 130.0 | 125.9 | 125.6 | 130.4 | 130.7 | 131.6 | $13 C .9$ | 130.9 | 130.8 |
| WHOLESALE TRADE | 130.E | 132.3 | 121. 2 | 122.8 | 132.E | 132.7 | 132.4 | 132.5 | 133.4 | 1:4.3 | 134.1 | 133.8 | 134.2 |
| RETAIL TRADE | 128.7 | 129.3 | 120.3 | 129,5 | 128.9 | 128.9 | 128.5 | 129.6 | 129.7 | 13C.5 | 125.7 | 129.8 | 129.5 |
| FINANCE, INSURANCE, AND REAL ESTATE | 144.1 | 144.6 | 14E.5 | 144.5 | 145.7 | 146.5 | 146. 2 | 147.1 | 146.7 | 148.3 | 148.3 | 148.1 | 149.3 |
| SERVICES | 149.5 | 151.1 | 151.C | 1:1.7 | 252.6 | 153.5 | 153.4 | 153.8 | 154.1 | 155.2 | 15t.5 | 156.0 | 156.6 |

## ESTABLISHMENT DATA <br> SEASONALLY ADJUSTED

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers' on private nonagricultural payrolls, seasonally adjusted

| Industry | 1979 |  |  |  |  |  |  |  |  |  |  | 1980 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. ${ }^{\text {P }}$ | Feb. ${ }^{\text {P }}$ |
|  | Hourly Earnings Index ${ }^{2}$ (1967 $=100$ ) |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL PRIVATE (In current dollars). . | 224.0 | 225.2 | 226.8 | 227.5 | 229.0 | 230.9 | 232.2 | 234.3 | 234.9 | 237.3 | 239.5 | 240.3 | 242.? |
| mining. | 253.7 | 256.1 | 264.1 | 262.7 | 264.7 | 266.7 | 265.6 | 266.1 | 268.0 | 271.6 | 273.2 | 274.2 | 275.5 |
| CONSTRUCTION. | 216.7 | 216.5 | 218.1 | 220.4 | 220.4 | 222. 1 | 223. 1 | 224.4 | 224.0 | 225.8 | 227.6 | 225.4 | 230.7 |
| MANUFACTURING | 227.2 | 228.7 | 231.0 | 232.3 | 233.9 | 235.4 | 236.9 | 238.7 | 240.0 | 242.1 | 244.3 | 244.9 | 247.3 |
| TRANSPORTATION AND public utilities .. | 241.7 | 243.1 | 241.7 | 243.7 | 246.4 | 251.3 | 252.6 | 255.6 | 255.8 | 258.9 | 260.7 | 260.5 | 262.0 |
| wholesale and retail TRADE. | 218.1 | 219.4 | 220.9 | 221.0 | 222.6 | 223.8 | 225.4 | 227.0 | 227.4 | 229.5 | 231.3 | 234.5 | 235.4 |
| Finance, insurance, and |  |  |  |  |  |  |  |  |  |  |  |  |  |
| REAL ESTATE | 204.2 | 204. 8 | 207.5 | 207.0 | 208.0 | 210.8 | 211.5 | 214.4 | 213.1 | 216.2 | 218.5 | 219.5 | 220.9 |
| SERVICES., | 222.2 | 223.3 | 225.0 | 224.3 | 225.7 | 227.0 | 228.4 | 231.5 | 232.3 | 234.7 | 237.7 | 238.1 | 239.2 |
| TOTAL PRIVATE (In 1967 dollart) ${ }^{3}$. | 107.8 | 107. 3 | 107.0 | 106.3 | 105.8 | 105.6 | 105. 1 | 104.9 | 104. 1 | 104. 1 | 103.8 | 102.7 | - |
|  | Average hourly earnings |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL PRIVATE | \$6.00 | \$6. 04 | \$6. 04 | \$6.09 | \$6. 13 | \$6. 18 | \$6. 22 | \$6.26 | \$6.28 | \$6. 33 | \$6. 39 | \$6. 42 | \$6.45 |
| MINING...... | 8.23 | 8.28 | 8. 56 | 8.43 | 8.49 | 8.49 | 8.57 | 8.50 | 8.57 | 8.71 | 8. 76 | 8.84 | 8.93 |
| CONSTRUCTION | 9.06 | 9.03 | 9.11 | 9.20 | 9.19 | 9.27 | 9.32 | 9.39 | 9. 38 | 9.45 | 9. 53 | 9.45 | 9.67 |
| manufacturing | 6.51 | 6.56 | 6.56 | 6.65 | 6.68 | 6.72 | 6.74 | 6.78 | 6.82 | 6.86 | 6.91 | 6. 92 | 6.97 |
| TRANSPORTATION AND PUBLIC UTILITIES. | 7.92 | 7.96 | 7.91 | 7.99 | 8.09 | 8.21 | 8.30 | 8.37 | 8.39 | 8.48 | 8. 53 | 8. 52 | 8.57 |
| WHOLESALE AND RETAIL TRADE............. | 4.93 | 4.96 | 4.99 | 5. 00 |  |  |  |  |  |  |  |  |  |
| FINANCE, INSURANCE, AND |  |  | 4.99 | 5.00 | 5.03 | 5.07 | 5.10 | 5. 12 | 5.14 | 5. 19 | 5.23 | 5.30 | 5. 31 |
| heal estate | 5.14 | 5.16 | 5.22 | 5.21 | 5.23 | 5.30 | 5.32 | 5. 40 | 5. 38 | 5.45 | 5. 51 | 5. 53 | 5. 55 |
| SERVICES. | 5.22 | 5.24 | 5.27 | 5. 26 | 5. 31 | 5.35 | 5. 39 | 5.45 | 5. 46 | 5. 52 | 5. 58 | 5. 60 | 5. 62 |
|  | Average weekly earnings |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL PRIVATE: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Current dollars 1967 dallert ${ }^{3}$ | 214.20 103.13 | 216.84 103.31 | 213.21 100.57 | 217.41 101.55 | 218.23 100.85 | 220.01 100.60 | 221.43 100.24 | 223.48 100.04 | 223.57 99.10 | 225.98 99.16 | 228.12 98.88 | 228.55 97.67 | 228. 33 |
| fieal spendable earnings (married worker with 3 depandents, 1967 dollars) ${ }^{3} .4$ | 91.66 | 91.68 | 89.44 | 90.09 | 89.43 | 89.12 | 88.73 | 88.44 | 87.61 | 87.53 | 87.17 | 86.08 | - |

1 For coverage of series, see footnote 1, table B-2.
2 The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and tow-wage industries.

3 The CPI.W is used to deflate these series to 1967 dollars.
${ }^{4}$ See footnote 2, table C-5
N.A. $=$ not available
$p=$ preliminary.

## C-10. Hours of wage and salary workers' in nonagricultural establishments, by industry division

| Industry division | Millions of hours (Annual rate) ${ }^{\text {2 }}$ |  |  | Percent change |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { DECEMBER } \\ & 1979 \end{aligned}$ | JANUARY p1980 | $\begin{aligned} & \text { FEBRUARY } \\ & \text { p1980 } \end{aligned}$ | $\begin{gathered} \text { Feb. } 1980 \\ \text { to } \\ \text { Feb. } 1980 \end{gathered}$ | $\begin{gathered} \text { Dec. } 1979 \\ \text { to } \\ \text { Jan. } 1980 \end{gathered}$ | $\begin{gathered} \text { Jan. } 1980 \\ \text { to } \\ \text { Feb. } 1980 \end{gathered}$ |
| TOTAL | 170,552 | 171,023 | 170,716 | 1.7 | 0.3 | -0.2 |
| PRIVATE SECTOR | 139,732 | 139,714 | 139,609 | 1.8 | 0.0 | -0.1 |
| MINING | 2,254 | 2,282 | 2,271 | 8.5 | 1.2 | -0.5 |
| CONSTRUCTION | 9,320 | 9,119 | 9,189 | 8.6 | -2.2 | 0.8 |
| MANUFACTURING | 43,507 | 43,678 | 43,540 | -1.5 | 0.4 | -0.3 |
| DURABLE GOODS | 26,589 | 26,659 | 26,683 | -1.9 | 0.3 | 0.1 |
| NONDURABLE GOODS | 16,918 | 17,019 | 16,857 | -0.9 | 0.6 | -0.9 |
| TRANSPORTATION AND PUBLIC UTILITIES | 10,815 | 10,781 | 10,686 | 0.8 | -0.3 | -0.9 |
| WHOLESALE AND RETAIL TRADE | 34,519 | 34,540 | 34,525 | 1.4 | 0.1 | 0.0 |
| FINANCE, INSURANCE, AND REAL ESTATE | 9,592 | 9,615 | 9,602 | 3.7 | -0.2 | -0.1 |
| SERVICES ... | 29,724 | 29,699 | 29,795 | 4.4 | -0.1 | 0.3 |
| GOVERNMENT | 30,820 | 31,309 | 31,107 | 1.6 | 1.6 | -0.6 |

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

| Item | Annusl average |  | Quarterly indexes |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1977 |  |  | 1978 |  |  |  | 1979 |  |  |  |
|  | 1978 | 1979 | II | III | IV | 1 | II | III | IV | $I$ | II | III | IV |
| PRIVATE BUSINESS SECTOR: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Output per hour of all persons | 119.2 | 118.1 | 117.9 | 119.4 | 118.8 . | 118.4 | 119.0 | 119.7 | 119.8 | 118.9 | 118.2 | 117.8 | r117.6 |
| Output | 140.7 | r144.1 | 132.8 | 135.2 | 136.1 | 136.9 | 140.3 | 141.8 | 144.0 | 144.4 | 143.4 | 143.8 | r144.7 |
| Hours . | 118.1 | r121.9 | 112.6 | 113.2 | 114.5 | 115.6 | 117.9 | 118.4 | 120.2 | 121.5 | 121.3 | 122.0 | r123.0 |
| Compensation per hour | 231.2 | 252.8 | 210.8 | 215.3 | 218.5 | 224.2 | 228.5 | 233.6 | 238.4 | 244.8 | 250.3 | 255.6 | r260.1 |
| Real compensation per hour | 118.3 | 116.3 | 116.7 | 117.6 | 117.9 | 118.7 | 118.1 | 118.2 | 118.0 | 118.0 | 116.9 | 115.8 | 114.2 |
| Unit labor costs | 194.0 | r214.0 | 178.8 | 180.2 | 183.8 | 189.4 | 192.1 | 195.2 | 199.0 | 205.9 | 211.7 | 217.0 | r221.1 |
| Unit nonlabor payments . . . . . . . . | 174.3 | I184.6 | 164.7 | 167.9 | 168.6 | 164.8 | 173.9 | 177.0 | 181.3 | 180.8 | 183.7 | 185.6 | r189.0 |
| Implicit price deflator .......... | 187.2 | 203.8 | 173.9 | 176.0 | 178.6 | 180.9 | 185.8 | 188.9 | 192.9 | 197.2 | 202.0 | 206.1 | 210.0 |
| NONFARM BUSINESS SECTOR: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Output .................... | 141.5 | r144.9 | 133.4 | 135.6 | 136.4 | 137.3 | 141.1 | 142.7 | 145.0 | 145.5 | 144.2 | 144.6 | I 145.5 |
| Hours . | 121.1 | 125.4 | 115.2 | 116.2 | 117.3 | 118.4 | 121.1 | 121.6 | 123.4 | 124.8 | 124.9 | 125.7 | r126.3 |
| Compensation per hour . | 227.3 | 247.6 | 207.3 | 211.2 | 214.8 | 220.6 | 224.6 | 229.4 | 234.3 | 240.2 | 244.8 | 249.9 | r255.4 |
| Real compensation per hour | 116.3 | 113.9 | 114.7 | 115.4 | 115.9 | 116.8 | 116.1 | 116.1 | 116.0 | 115.8 | 114.3 | 113.2 | r112.2 |
| Unit labor costs | 194.5 | 214.3 | 179.0 | 180.9 | 184.7 | 190.2 | 192.7 | 195.6 | 199.3 | 206.0 | 212.1 | 217.3 | r221.8 |
| Unit nonlabor payments | 169.9 | 178.8 | 163.2 | 167.1 | 166.0 | 161.1 | 169.2 | 173.0 | 176.1 | 174.3 | 177.6 | 180.5 | 183.3 |
| Implicit price deflator . . | 186.1 | 202.2 | 173.6 | 176.2 | 178.3 | 180.2 | 184.7 | 187.8 | 191.4 | 195.1 | 200.3 | 204.7 | r208.6 |
| MANUFACTURING: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Output per hour of all persons | 128.0 | 130.2 | 127.3 | 128.4 | 127.8 | 125.7 | 127.2 | 129.2 | 129.8 | 129.0 | 130.0 | 131.1 | 130.6 |
| Output . . . . . . . . . . . . . . . . | 134.5 | 139.8 | 128.1 | 129.9 | 130.8 | 130.1 | 133.4 | 135.9 | 138.5 | 140.1 | 139.7 | 139.9 | 139.5 |
| Hours . | 105.1 | 107.4 | 100.6 | 101.1 | 102.3 | 103.4 | 104.8 | 105.2 | 106.7 | 108.5 | 107.5 | 106.7 | r106.8 |
| Compensation per hour | 229.5 | 250.5 | 209.7 | 214.1 | 217.5 | 223.2 | 226.6 | 231.4 | 236.5 | 242.4 | 248.2 | 253.0 | r258.2 |
| Real compensation per hour | 117.5 | 115.2 | 116.1 | 117.0 | 117.4 | 118.1 | 117.1 | 117.0 | 117.1 | 116.9 | 115.9 | 114.6 | r113.4 |
| Unit labor costs ......... | 179.4 | 192.4 | 164.7 | 166.7 | 170.2 | 177.5 | 178.1 | 179.1 | 182.2 | 187.9 | 190.9 | 193.0 | 197.6 |
| DURABLE GOODS Output par hour of all persons | 121.3 | 122.4 | 121.6 | 122.3 | 121.7 | 118.9 | 120.9 | 122.5 | 122.8 | 121.8 | 122.7 | 122.7 | r122.3 |
| Output . . . . . . . . . . . . . . . . | 129.6 | 135.0 | 122.2 | 124.4 | 125.5 | 124.4 | 128.3 | 131.3 | 134.5 | 136.2 | 135.4 | 134.6 | 134.0 |
| Hours . | 106.9 | 110.3 | 100.5 | 101.7 | 103.2 | 104.6 | 106.1 | 107.2 | 109.5 | 111.8 | 110.3 | 109.7 | r109.5 |
| Compensation per hour | 230.8 | 251.7 | 211.6 | 215.9 | 219.4 | 224.5 | 227.9 | 232.5 | 237.9 | 243.8 | 249.5 | 254.3 | r259.1 |
| Real compensation per hour ..... | 118.1 | 115.8 | 117.1 | 118.0 | 118.4 | 118.9 | 117.8 | 117.6 | 117.7 | 117.5 | -116.5 | 115.2 | r113.8 |
| Unit labor costs . . . . . . . . . . . . . . | 190.4 | 205.6 | 174.0 | 176.6 | 180.3 | 188.8 | 188.5 | 189.9 | 193.7 | 200.1 | 203.3 | 207.3 | r211.8 |
| nondurable goods |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Output per hour of all persons .... | 139.0 | 143.3 | 136.6 | 138.5 | 137.9 | 136.9 | 137.5 | 140.3 | 141.4 | 141.1 | 142.1 | 145.2 | 144.6 |
| Output | 142.3 | 147.6 | 137.6 | 138.8 | 139.3 | 139.3 | 141.6 | 143.2 | 145.1 | 146.3 | 146.9 | 148.5 | 148.6 |
| Hours | 102.4 | 103.0 | 100.7 | 100.2 | 101.1 | 101.7 | 103.0 | 102.1 | 102.6 | 103.7 | 103.4 | 102.3 | r102.8 |
| Compensation per hour . ........ | 226.1 | 246.5 | 206.6 | 210.6 | 213.8 | 220.1 | 223.6 | 228.1 | 232.4 | 238.0 | 244.1 | 248.9 | 254.8 |
| Real compensation per hour ..... | 115.7 | 113.4 | 114.4 | 115.1 | 115.3 | 116.5 | 115.5 | 115.4 | 115.0 | 114.8 | 114.0 | 112.7 | 111.9 |
| Unit labor costs . .............. | 162.7 | r172.1 | 151.2 | 152.1 | 155.1 | 160.7 | 162.6 | 162.6 | 164.3 | 168.7 | 171.8 | 171.4 | r176.2 |
| NONFINANCIAL CORPORATIONS: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Output ...................... | 150.0 | pl54.7 | 140.4 | 142.7 | 143.4 | 144.7 | 149.7 | 151.4 | 154.2 | 155.1 | 154.1 | 154.3 | N.A. |
| Hours . . . . . . . . . . . . . . . . . . . . | 127.2 | pl31.7 | 120.5 | 121.5 | 122.9 | 124.1 | 127.1 | 127.8 | 129.8 | 131.3 | 131.4 | 131.7 | N.A. |
| Compensation per hour . . . . . . . . . | 224.8 | p244.7 | 205.7 | 209.5 | 212.8 | 218.5 | 222.3 | 226.9 | 231.3 | 237.4 | 242.1 | 247.1 | N.A. |
| Real compensation per hour . . . . . | 115.0 | p112.6 | 113.8 | 114.5 | 114.8 | 115.7 | 114.9 | 114.8 | 114.5 | 114.5 | 113.1 | 112.0 | N.A. |
| Total unit costs ............... | 193.3 | p210.3 | 180.5 | 182.4 | 186.3 | 190.8 | 191.6 | 194.0 | 196.8 | 202.3 | 208.0 | 213.2 | N.A. |
| Unit labor costs ............ | 190.6 | p208.3 | 176.6 | 178.4 | 182.3 | 187.3 | 188.7 | 191.5 | 194.8 | 201.0 | 206.4 | 210.8 | N.A. |
| Unit nonlabor costs | 201.8 | p216.6 | 192.4 | 194.8 | 198.7 | 201.5 | 200.8 | 201.6 | 203.1 | 206.5 | 213.2 | 220.5 | N.A. |
| Unit profits | 127.2 | P128.4 | 123.3 | 130.9 | 122.2 | 107.1 | 129.2 | 132.7 | 138.7 | 130.3 | 129.2 | 127.5 | N.A. |
| Implicit price deflator . . . . . . . . . . | 183.5 | p198.2 | 172.0 | 174.7 | 176.8 | 178.3 | 182.3 | 184.9 | 188.2 | 191.6 | 196.3 | 200.4 | N.A. |

p=preliminary.
$r=$ revised.

## PRODUCTIVITY

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


## p=preliminary.

$r$ revised.

# ESTABLISHMENT DATA STATE AND AREA HOURS AND EARNINGS 

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

| Stute and arou | Avorage wookly eaminge |  |  | Averase wookly hours |  |  | Average hourly earninge |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JA F. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JA IA: } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { Jan. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & \text { 1980P } \end{aligned}$ |
| ALABAMA ${ }^{1}$ | \$233.04 | \$261. 25 | \$256. 63 | 40.6 | 41.8 | 40.8 | \$5.74 | \$6.25 | \$6.29 |
| Birmingham . | 273.91 | 308. 16 | 297.08 | 40.4 | 41.7 | 40.2 | 6.78 | 7.39 | 7.39 |
| Mobile ! | 291.58 | 322. 14 | 330,22 | 41.3 | 42.0 | 41.8 | 7.06 | 7.67 | 7. 9.0 |
| ALABKA | 374.13 | (*) | (*) | 40.1. | (*) | (*) | 9.33 | (*) | (*) |
| ARIZONA | 254.56 | 290.50 | 283. 31 | 40.6 | 41.5 | 40.3 | 6.27 | 7.00 | 7.03 |
| Phoenlx | 255.60 | 292.45 | 276.74 | 40.7 | 42.2 | 40.4 | 6.28 | 6.93 | 6.85 |
| Tueson | 232.85 | 265.98 | 254.41 | 39.6 | 40.3 | 39.2 | 5.88 | 6.60 | 6. 49 |
| arkanzas ! | 193.27 | 217.46 | 217.40 | 38.5 | 39.9 | 39.6 | 5.02 | 5.45 | 5.45 |
| Fayottoville-springdale | 182.00 | 196.71 | 204. 42 | 40.0 | 39.5 | 40.4 | 4.55 | 4.98 | 5. 66 |
| Fort Smith! | 196.46 | 225.72 | 221.87 | 38.0 | 39.6 | 39.2 | 5.17 | 5.70 | 5.66 |
| Little Rock-North Little Rock ${ }^{1}$ | 224.22 | 249.64 | 251.06 | 39.2 | 40.2 | 39.6 | 5.72 | 6.21 | 6.34 |
| Pine Bluth !. | 272. 16 | 303.31 | 294.17 | 42.0 | 42.6 | 41.2 | 6.48 | 7.06 | 7. 14 |
| california | 270.80 | 301.51 | 288.86 | 40.0 | 40.8 | 39.3 | 6.77 | 7.39 | 7.35 |
| Anahalm-Sante Ans-Garden Grove | 248.06 | 276.14 | 267.87 | 40.8 | 41.4 | 40.1 | 6.08 | 6.67 | 6.68 |
| Bekerafiold | 273.60 | 324. 81 | 314.41 | 38.0 | 40.5 | 39.4 | 7.20 | 8.02 | 7.98 |
| Fresno | 239. 17 | 268.32 | 265.10 | 38.7 | 39.0 | 38.7 | 6.18 | 6.88 | 6. 85 |
| Lat Angelem-Long Besch | 254.97 | 285. 36 | 273.7.4 | 40.6 | 41.0 | 39.5 | 6.28 | 6.96 | 6.93 |
| Modevita | 264.14 | 288. 86 | 275.66 | 39.9 | 40.8 | 38.5 | 6.62 | 7.08 | 7.16 |
| Oxnard-Simi Valloy-Ventura | 229.89 | 258.59 | 252. 29 | 39.5 | 39.6 | 38.4 | 5.82 | 6.53 | 6.57 |
| Riverside-San Bernardino-Ontario | 276.40 | 306.68 | 299.02 | 40.0 | 40.3 | 39.5 | 6.91 | 7.61 | 7.57 |
| Sacremmento | 285.48 | 312.42 | 311.56 | 39.0 | 39.2 | 38.8 | 7.32 | 7.97 | 8.03 |
| Salinea-Seasido-Monterey | 260.60 | 256. 26 | 270.45 | 38. 1 | 35.2 | 36.4 | 6.84 | 7.28 | 7.43 |
| San Dieso | 252.20 | 279.40 | 269.81 | 38.8 | 39.8 | 38.6 | 6.50 | 7.02 | 6.99 |
| San Francisco-Oakland | 316.18 | 349.74 | 341.82 | 38.7 | 40.2 | 39.2 | 8.17 | 8.70 | 8.72 |
| Sen Jove | 282.61 | 314.47 | 313.43 | 40.2 | 41.0 | 40.6 | 7.03 | 7.67 | 7.72 |
| Santa Barbera-Santa Maria-Lompoc | 227.86 | 256.32 | 257.69 | 37.6 | 38.2 | 37.4 | 6.06 | 6.71 | 6.89 |
| Santa Rose | 231.87 | 263.84 | 254.88 | 36.4 | 38.8 | 37.1 | 6.37 | 6.80 | 6.87 |
| Stockton. | 291.21. | 308.90 | 310.06 | 39.3 | 39.3 | 39.1 | 7.41 | 7.86 | 7. 93 |
| Vallejo-Fairfield-Napa | 279.72 | 306. 54 | 296.00 | 37.8 | 39.1 | 37.9 | 7.40 | 7.84 | 7.81 |
| COLORADO | 261.09 | 274. 82 | 273.62 | 39.8 | 39.6 | 39.2 | 6.56 | 6.94 | 6.98 |
| Denver-Boulder | 254.41 | 276.59 | 275.02 | 39.2 | 39.4 | 38.9 | 6.49 | 7.02 | 7.07 |
| CONNECTICUT | 265. 17 | 291.72 | 290.11 | 42.7 | 42.9 | 42.6 | 6.21 | 6.80 | 6.81 |
| Bridgpoort | 278.52 | 304. 59 | 306. 42 | 44.0 | 43.7 | 43.9 | 6.33 | 6.97 | 6.98 |
| Hartiord | 295.99 | 336.68 | 321. 10 | 43.4 | 44.3 | 43.1 | 6.82 | 7.60 | 7.45 |
| Now Britain | 277.01 | 309.58 | 303. 20 | 43.9 | 44.1 | 43.5 | 6.31 | 7.02 | 6.97 |
| Now Hoven-West Heven | 260.41 | 285.91 | 281. 11 | 41.4 | 41.8 | 41.4 | 6.29 | 6.84 | 6.79 |
| Starnford | 262.26 | 287.32 | 284.26 | 42.3 | 44.0 | 43.8 | 6.20 | 6.53 | 6.49 |
| Waterbury | 229. 15 | 249.37 | 247.28 | 42.2 | 42.7 | 41.7 | 5.43 | 5.84 | 5.93 |
| delaware ${ }^{\text {a }}$ | 279.89 | 313.40 | 294.86 | 39.7 | 41.4 | 39.9 | 7.05 | 7.57 | 7.39 |
| Wilmington ${ }^{1}$ | 312.03 | 337.77 | 334.92 | 39.8 | 40.5 | 40.4 | 7.84 | 8. 34 | 8.29 |
| district of columbia: Washington SMSA .... | 277.68 | 312. 26 | (*) | 39.0 | 40.5 | (*) | 7.12 | 7.71 | (*) |
| FLORIDA ${ }^{1}$. | 214.08 | 236.97 | 232.97 | 40.7 | 41.5 | 40.8 | 5.26 | 5.71 | 5.71 |
| fort Lauderdale-Holiywood . ${ }^{\text {a }}$. | 1.99.50 | 228.06 | 225.60 | 39.9 | 42.0 | 41.7 | 5.00 | 5.43 | 5.41 |
| becksonville ! | 255.84 | 275.26 | 274.72 | 41.6 | 40.9 | 40.4 | 6.15 | 6.73 | 6.80 |
| Miomi ${ }^{1}$. | 190.88 | 201.50 | 200.70 | 40.7 | 39.9 | 39.9 | 4.69 | 5.05 | 5.03 |
| Oriendo: | 221.82 | 249.90 | 246.33 | 40.7 | 42.0 | 41.4 | 5.45 | 5.95 | 5.95 |
| Pensecole ${ }^{1}$. | 278.63 | 312.94 | 260.35 | 42.8 | 44.2 . | 37.3 | 6.51 | 7.08 | 6.98 |
| Tampa-St. Peteriburg ! | 223.41 | 249.21 | 247.78 | 40.4 | 42.6 | 42.5 | 5.53 | 5.85 | 5.83 |
| Weat Palm Besch-Boca Raton ! | 255.71 | 264.60 | 262.50 | 45.5 | 42.0 | 42.0 | 5.62 | 6.30 | 6.25 |
| GEORCHA ! | 200. 70 | 220.04 | 222.86 | 39.2 | 40.3 | 40.3 | 5.12 | 5.46 | 5.53 |
| Atlenta.! | 225.98 | 247.92 | 254.02 | 37.6 | 38.2 | 39.2 | 6.01 | 6.49 | 6.48 |
| Savannah ${ }^{\text {! }}$. | 271.51 | 297.77 | 311.32 | 41.2 | 41.3 | 43.0 | 6.59 | 7.21 | 7.24 |
| Hawall | 240. 38 | 264.26 | 251.92 | 37.5 | 39.9 | 37.6 | 6.41 | 6.62 | 6.70 |
| Honolulu | 239.76 | 260.52 | 243.40 | 37.0 | 39.0 | 35.9 | 6.48 | 6.68 | 6.78 |
| IDAHO | 244.19 | 267.86 | 254.00 | 36.5 | 37.1. | 36.6 | 6.69 | 7.22 | 6.94 |
| Boise City | 222.05 | 251.67 | 222.14 | 35.7 | 38.6 | 35.6 | 6.22 | 6.52 | 6.24 |

See footnptes at end of table.

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


See footnotes at end of table.

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

| Stata snd area | Average mookly eerninge |  |  | Average weokly hours |  |  | Averays hourly earnings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { JAH. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Ja日. } \\ & 1980 \mathrm{P} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JaI. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \mathrm{JAN} . \\ & 1980 \mathrm{P} \\ & \hline \end{aligned}$ | $\begin{array}{r} \text { JaN. } \\ 1979 \\ \hline \end{array}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1960 \mathrm{P} \end{aligned}$ |
| massouri ${ }^{1}$. | \$257.14 | \$287.34 | \$279.70 | 39.5 | 40.7 | 39.9 | \$6.51 | \$7.06 | \$7.61 |
| Kansas City i. | 289.02 | 331.68 | 319.98 | 39.7 | 41.1 | 40.3 | 7.28 | 8.07 | 7.54 |
| St. Joseph ! | 228.98 | 258.41 | 248.82 | 38.1 | 38.8 | 37.7 | 6.01 | 6.66 | 6.60 |
| St. Louis .. | 300.03 | 328.72 | 317.52 | 40.6 | 41.4 | 40.5 | 7.39 | 7.94 | 7.84 |
| Springtield ${ }^{\text {a }}$ | 221.34 | 248.40 | 245.52 | 38.9 | 40.0 | 39.6 | 5.69 | 6.21 | 6.20 |
| MONTANA | 346.48 | 389.40 | 386.32 | 42.1 | 44.3 | 44.0 | 8.23 | 8.79 | 8.78 |
| NEBRASKA ${ }^{1}$ | 259.79 | 290. 79 | 287.58 | 41.5 | 42.7 | 41.2 | 6.26 | 6.81 | 6.98 |
| Lincoln ${ }^{1}$ | 245.12 | 274.11 | 270.57 | 38.3 | 39.9 | 39.1 | 6.40 | 6.87 | 6.92 |
| Omaha ${ }^{1}$ | 269.53 | 296. 21 | 294.86 | 40.9 | 40.8 | 39.9 | 6.59 | 7.26 | 7.39 |
| NEVADA | 260.88 | 288.41 | 277.99 | 37.7 | 39.4 | 39.6 | 6.92 | 7.32 | 7.02 |
| Las Vogas | 331.11 | 378.56 | (*) | 39.0 | 41.6 | (*) | 8.49 | 9.10 | (*) |
| NEW HAMPSHIRE | 208.64 | 228.63 | (*) | 40.2 | 40.9 | (*) | 5. 19 | 5.59 | (*) |
| Manchester | 179.80 | 195.71 | (*) | 38.5 | 39.3 | (*) | 4.67 | 4.98 | (*) |
| Nashus | 226.64 | 253.91 | (*) | 40.4 | 41.9 | (*) | 5.61 | 6.06 | (*) |
| NEW JER8EY | 269.80 | 295.25 | 285.10 | 41.7 | 42.3 | 41.2 | 6.47 | 6.98 | 6.92 |
| Atlantic City | 193.42 | 217.56 | 209.37 | 38.3 | 39.7 | 38.7 | 5.05 | 5.48 | 5.41 |
| Camden ${ }^{2}$. | 255.56 | 286.33 | 272.43 | 40.5 | 41.8 | 40.6 | 6.31 | 6.85 | 6.71 |
| Heckensack ${ }^{3}$ | 251.08 | 273.49 | 262.08 | 42.7 | 42.8 | 41.6 | 5.88 | 6.39 | 6.30 |
| Jorsey City ${ }^{\text {' }}$ | 269.78 | 284.14 | 282.40 | 41.0 | 41.3 | 40.4 | 6.58 | 6.88 | 6.99 |
| Now Brunswick-Perth Amboy-Sayreville ${ }^{3}$ | 286.53 | 313.24 | 308. 56 | 40.7 | 41.0 | 40.6 | 7.04 | 7.64 | 7.60 |
| Newark ${ }^{3}$. | 274.75 | 300. 14 | 293.16 | 42.4 | 43.0 | 42.0 | 6.48 | 6.98 | 6.98 |
| Paterson-Clifton-Pasaic | 250.51 | 274.63 | 271.75 | 41.0 | 41.8 | 41.3 | 6.11 | 6.57 | 6.58 |
| Tremton | 267.15 | 293.13 | 281.47 | 40.6 | 40.6 | 39.7 | 6.58 | 7.22 | 7.C9 |
| New mexico ${ }^{1}$. | 198.90 | 228.10 | 222.83 | 39.0 | 40.3 | 39.3 | 5.10 | 5.66 | 5.67 |
| Albuquerque ${ }^{\text {a }}$. | 203.04 | 231:09 | 223.00 | 38.6 | 40.9 | 39.4 | 5.26 | 5.65 | 5.66 |
| NEW YORK | 255.76 | 275.77 | 275.71 | 39.9 | 40.2 | 39.9 | 6.41 | 6.86 | 6.91 |
| Albany-Schenectady-Troy | 269.72 | 302.52 | 292.84 | 39.9 | 41.9 | 40.9 | 6.76 | 7.22 | 7.16 |
| Binghamton | 231.49 | 262.70 | 260.82 | 40.9 | 42.1 | 41-4 | 5.66 | 6.24 | 6.30 |
| Butfalo .... | 346.09 | 367.00 | 359.45 | 41.9 | 41.8 | 40.8 | 8.26 | 8.78 | 8. 81 |
| Elmira | 251.83 | 275.00 | 272.97 | 40.1 | 40.5 | 40.5 | 6.28 | 6.79 | 6.74 |
| Monroe County ${ }^{4}$ | 349.75 | 367.84 | 368.68 | 42.6 | 41.8 | 41.8 | 8.21 | 8.80 | 8.82 |
| Nessau-Suffolk ${ }^{\text {s }}$. | 233.05 | 261.79 | 260.95 | 39.5 | 40.4 | 39.9 | 5.90 | 6.48 | 6.54 |
| Now York-Northesstorn Now Jersoy | 241.59 | 262.51 | (*) | 39.8 | 40.2 | (*) | 6.07 | 6.53 | (*) |
| New York and Neseou-Suffolk ${ }^{3}$ | 218.50 | 238.32 | 240.52 | 38.0 | 38.5 | 38.3 | 5.75 | 6.19 | 6.28 |
| Now York SMSA ${ }^{\text {s }}$ | 215.27 | 232.79 | 234.98 | 37.7 | 38.1 | 37.9 | 5.71 | 6.11 | 6.20 |
| New York City ${ }^{6}$ | 213.18 | 227.63 | 229.40 | 37.4 | 37.5 5 | 37.3 | 5.70 | 6.07 | 6.15 |
| Poughkeepsie | 252. 29 | 272.48 | 267.49 | 41.7 | 41.6 | 40.9 | 6.05 | 6.55 | 6.54 |
| Rochester:.. | 327.54 | 344.03 | 344.87 | 42.1 | 41.7 | 41.5 | 7.78 | 8.25 | 8.31 |
| Rockland County | 241.59 | 272.30 | 273.24 | 40.4 | 41.7 | 41.4 | 5.98 | 6.53 | 6.60 |
| Syracuse ....... | 286.54 | 311. 12 | 307.13 | 42.2 | 42.1 | 4.1 .9 | 6.79 | 7.39 | 7.33 |
| Utice-Rome | 242.17 | 267.49 | 264.80 | 40.7 | 40.9 | 40.0 | 5.95 | 6.54 | 6.62 |
| Westchester Countr *. | 227.03 | 271.15 | 271.74 | 39.9 | 42.5 | 42.0 | 5.69 | 6.38 | 6.47 |
| NORTH CAROLINA ${ }^{\prime}$ | 183. 38 | 207.47 | 205.49 | 39.1 | 40.6 | 39.9 | 4.69 | 5.11 | 5.15 |
| Asheville ${ }^{\text {a }}$........ | 186.81 | 206.32 | 201.60 | 40.7 | 41.1 | 40.0 | 4.59 | 5.02 | 5. 04 |
| Cherlotte-Gastonia ${ }^{1}$. | 185.65 | 210.67 | 212.28 | 39.5 | 41.8 | 41.3 | 4.70 | 5.04 | 5.14 |
| Greensboro-Winston-Selem-High Point ${ }^{1}$ | 193.66 | 230.01 | 225.12 | 38.5 | 41.0 | 40.2 | 5.03 | 5.61 | 5.60 |
| Raleigh-Durham ${ }^{1}$. | 207.24 | 234. 84 | 229.12 | 39.4 | 40.7 | 39.3 | 5.26 | 5.77 | 5.83 |
| NORTH DAKOTA | 218.69 | 238. 01 | 233. 58 | 38. 3 | 38.7 | 36.9 | 5.71 | 6.15 | 6.33 |
| Fergo-Moorhbad | 232.98 | 252. 13 | 238.43 | 37.7 | 37.8 | 35.8 | 6.18 | 6.67 | 6.66 |
| OHIO ! | 323.67 | 343.51 | 329.66 | 42.2 | 42.2 | 40.8 | 7.67 | 8.14 | 8.08 |
| Akron ! | 321.10 | 345. 24 | 337.43 | 42.7 | 42.0 | 41.2 | 7.52 | 8.22 | 8.19 |
| Canton 1 | 334.32 | 333.33 | 333.26 | 42.0 | 40.6 | 40.2 | 7.96 | 8.21 | 8.29 |
| Cincinnati : | 299.29 | 324.95 | 312.64 | 41.8 | 42.7 | 41.3 | 7.16 | 7.61 | 7.57 |
| Cleveland | 343.73 | 351.48 | 334.56 | 43.4 | 42.5 | 40.8 | 7.92 | 8.27 | 8.20 |
| Columbus! | 276.76 | 304.63 | 296.27 | 40.7 | 41.0 | 40.2 | 6.80 | 7.43 | 7.37 |
| Dayton! | 334. 19 | 364.46 | 346.09 | 42.9 | 43.7 | 41.9 | 7.79 | 8.34 | 8.26 |
| Toledo ! | 339.83 | 353.63 | 341.42 | 42.8 | 41.8 | 40.5 | 7.94 | 8.46 | 8.43 |
| Youngatow-Warren ${ }^{1}$ | 364.01 | 387.69 | 375.48 | 40.9 | 40.3 | 39.4 | 8.90 | 9.62 | 9.53 |

See footnotes at end of table.

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

| Sutete and aren | Avorege meokly meminge |  |  | Avorsee woukty houn |  |  | Averuep hourty cernings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { J14. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | JAI. <br> 19808 | $\begin{aligned} & \text { JA. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1980 \mathrm{P} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { JAR. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & D E C . \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Jiy. } \\ & 1980 \mathrm{P} \end{aligned}$ |
| OKLAMOMA.. | \$250.67 | \$291.58 | \$289.98 | 40.3 | 41.3 | 40.9 | \$6. 22 | \$7.06 | \$7.09 |
| Oklahoma City ! | 247.78 | 320.50 | 310.25 | 39.9 | 44.7 | 42.5 | 6.21 | 7.17 | 7.30 |
| Tulsa ${ }^{\text {! }}$. | 270. 14 | 306. 34 | 291.73 | 40.5 | 40.9 | 39.8 | 6.67 | 7.49 | 7.33 |
| OREGON. | 273.31 | 317.38 | (*) | 36.2 | 38.8 | (*) | 7.55 | 8.18 | (*) |
| Eugene-Springfield | 289.71 | 334.63 | (*) | 35.9 | 38.2 | (*) | 8.07 | 8.76 | (*) |
| Jackson County. | 286.14 | 303.85 | (*) | 37.6 | 37.1 | (*) | 7.61 | 8.19 | (*) |
| Portland | 253.77 | 313.95 | (*) | 35.1 | 39.0 | (*) | 7.23 | 8.05 | (*) |
| PENNSYLVANIA | 269.20 | 291.34 | 285.32 | 40.0 | 39.8 | 39.3 | 6. 73 | 7.32 | 7. 26 |
| Allentown-Bethlehom-Easton | 260.16 | 293.75 | 293.72 | 38.6 | 38.6 | 38.8 | 6.74 | 7.61 | 7.57 |
| Altoona. | 225.61 | 245.94 | 251.70 | 38.5 | 39.1 | 39.7 | 5.86 | 6.29 | 6. 34 |
| Dolaware Valley? | 276.29 | 298.33 | 292.73 | 40.1 | 40.7 | 40.1 | 6.89 | 7.33 | 7.30 |
| Erie. | 281.06 | 301.81 | 307.97 | 41.7 | 41.4 | 41.9 | 6.74 | 7.29 | 7.35 |
| Harrisburg | 257.00 | 282.76 | 274.03 | 40.6 | 41.4 | 40.9 | 6.33 | 6.83 | 6.70 |
| Johnstown | 277.50 | 318.30 | 311.89 | 39.7 | 39.2 | 38.6 | 6.99 | 8.12 | 8.08 |
| Lencaster. | 237.58 | 262.48 | 260.94 | 40.2 | 41.4 | 40.9 | 5.91 | 6.34 | 6.38 |
| Northeast Pennsylvenia | 187.46 | 211.31 | 213. 18 | 36.4 | 37.4 | 37.4 | 5.15 | 5.65 | 5.70 |
| Philadelphia SMSA | 272.68 | 296.93 | 289.84 | 40.1 | 40.9 | 40.2 | 6.80 | 7.26 | 7.21 |
| Pittsburgh | 321.98 | 352.08 | 353.60 | 39.8 | 40.1 | 40.0 | 8.09 | 8.78 | 8.84 |
| Reading | 239.23 | 269.30 | 266.47 | 38.4 | 39.2 | 38.9 | 6.23 | 6.87 | 6. 85 |
| Scranton ${ }^{\text {b }}$. | 196.61 | 221.03 | 220.13 | 38.4 | 39.4 | 39.1 | 5.12 | 5.61 | 5.63 |
| Wilkes-Barre-Hazleton | 178.88 | 202.78 | 206.85 | 34.6 | 35.7 | 36.1 | 5.17 | 5.68 | 5.73 |
| Williamsport | 242.61 | 260.80 | 272.96 | 40.1 | 39.1 | 40.2 | 6.05 | 6.67 | 6.79 |
| York | 249.42 | 259.95 | 265.51 | 41.5 | 42.2 | 41.1 | 6.01 | 6.16 | 6.46 |
| RHODE ISLAND | 195.42 | 212. 13 | 215. 17 | 39.4 | 39.8 | 39.7 | 4.96 | 5.33 | 5.42 |
| Rrovidence-Warwick-Pawtucket | 197.31 | 210.94 | 213.98 | 39.7 | 39.8 | 39.7 | 4.97 | 5.30 | 5.39 |
| SOUTH CAROLINA. | 199.43 | 222.14 | 224. 22 | 40.7 | 41.6 | 41.6 | 4.90 | 5.34 | 5.39 |
| Charleston-North Charleston . 1 | 228.80 | 249.29 | 245.81 | 41.3 | 40.8 | 40.1 | 5.54 | 6.11 | 6.13 |
| Columbia! | 196.21 | 214.52 | 219.10 | 39.8 | 40.4 | 40.8 | 4.93 | 5.31 | 5.37 |
| Greenville-Spartanburg ! | 197.72 | 220.96 | 221.49 | 40.6 | 41.3 | 41.4 | 4.87 | 5.35 | 5.35 |
| SOUTH DAKOTA | 220.90 | 259.62 | 253.02 | 41.6 | 42.7 | 42.1 | 5.31 | 6.08 | 6.01 |
| Rapid City ! | 169.05 | 209.65 | 211.94 | 34. 5 | 35.0 | 35.5 | 4.90 | 5.99 | 5.97 |
| Sioux Falls | 306.43 | 348.21 | $340^{\circ} .28$ | 44.8 | 47.7 | 47.0 | 6.84 | 7.30 | 7.24 |
| tennessee ${ }^{1}$ | 214.09 | 235.30 | 232.85 | 39.5 | 40.5 | 39.6 | 5.42 | 5.81 | 5.88 |
| Chatranocga ! | 219.49 | 239.62 | 241.92 | 40.2 | 41.6 | 42.0 | 5.46 | 5.76 | 5.76 |
| Knoxville ${ }^{1}$ | 2.43.38 | 275.26 | 272.96 | 41.0 | 40.9 | 40.2 | 6. 18 | 6.73 | 6.79 |
| Memphis ! | 240.95 | 267.97 | 258.30 | 39.5 | 41.1 | 34.8 | 6.10 | 6.52 | 6.49 |
| Nashville-Davidson ${ }^{1}$ | 229.65 | 242.99 | 238.85 | 39.8 | 39.9 | 38.9 | 5.77 | 6.09 | 6. 14 |
| texas ${ }^{1}$ | 255.63 | 282.41 | 273.50 | 40.9 | 41.9 | 40.7 | 6.25 | 6.74 | 6.72 |
| Amarillo ${ }^{\text {a }}$ | 244.59 | 263.07 | 267.46 | 39.9 | 39.5 | 39.8 | 6.13 | 6.66 | 6.72 |
| Austin . ${ }^{1}$. | 190.22 | 208.92 | 228.00 | 40.3 | 41.7 | 42.3 | 4.72 | 5.01 | 5.39 |
| Beaümont-Port Arthur-Orange?! | 350.40 | 398.61 | 372.78 | 40.0 | 43.0 | 41.1 | 8.76 | 9.27 | 9.07 |
| Corpus Christi ${ }^{1}$. | 275.18 | 276. 32 | 291.20 | 39.2 | 38.7 | 40.0 | 7.02 | 7.14 | 7.28 |
| Dallas-Fort Worth? | 237.55 | 267.74 | 252.03 | 40.4 | 41.9 | 41.2 | 5.88 | 6.39 | 6. 36 |
| El Paso ......... | 186.44 | 211.43 | (*) | 39.5 | 42.8 | (*) | 4.72 | 4.94 | (*) |
| Galveston-Texas City ${ }^{1}$ | 389.53 | 412.15 | 377.12 | 42.9 | 41.8 | 38.6 | 9.08 | 9.86 | 9.77 |
| Houston ${ }^{1}$ | 328.37 | 348.44 | 355.89 | 43.9 | 43.5 | 44.1 | 7.48 | 8.01 | 8.07 |
| Lubbock! | 195.09 | 226.92 | 235.11 | 40.9 | 42.1 | 43.7 | 4.77 | 5.39 | 5. 38 |
| San Antonio ${ }^{1}$ | 179.72 | 205.13 | 204.93 | 38.9 | 40.7 | 41.4 | 4.62 | 5.04 | 4.95 |
| Waco ${ }^{1}$. ${ }^{\text {a }}$ | 207.58 | 236.70 | 238.21 | 38.8 | 40.6 | 41.0 | 5.35 | 5.83 | 5.81 |
| Wichita Falls ${ }^{1}$ | 217.17 | 252.76 | 257.50 | 39.2 | 40.9 | 41.2 | 5.54 | 6.18 | 6. 25 |
| UTAH : | 238.34 | 260.04 | 252.21 | 39.2 | 39.7 | 37.7 | 6.08 | 6.55 | 6.69 |
| Satt Lake City-Ogden . ${ }^{\text {a }}$ | 227.15 | 244. 16 | 229.64 | 39.3 | 39.7 | 37.4 | 5.78 | 6.15 | 6.14 |
| Vermont | 219.22 | 242.76 | 243.28 | 40.9 | 42.0 | 41.8 | 5.36 | 5.78 | 5.82 |
| Burlington | 243.07 | 263.77 | 264.12 | 42.2 | 43.1 | 42.6 | 5.76 | 6.12 | 6.20 |
| Springfield | 264.56 | 300.60 | 292.81 | 43.3 | 45.0 | 44:5 | 6.11 | 6.68 | 6.58 |
| VIRGINIA | 214.10 | 235.76 | 236.61 | 39.3 | 40.3 | 39.7 | 5.45 | 5.85 | 5.96 |
| Bristol . | 198.60 | 217.79 | 221. 03 | 37.9 | 39.1 | 39.4 | 5.24 | 5.57 | 5.61 |
| Lynchburg | 222.46 | 222.83 | 233.63 | 40.3 | 39.3 | 39.8 | 5.52 | 5.67 | 5.87 |
| Norfolk-Virginia Beach-Portsmouth | 246.97 | 270.34 | 259.85 | 41.3 | 41.4 | 40.1 | 5.98 | 6.53 | 6.48 |
| Northern Virginia ${ }^{10} 9$ | 236.81 | 262.44 | 258.46 | 39.8 | 40.5 | 39.4 | 5.95 | 6.48 | 6.56 |
| Petersburg-Colonial Heights-Hopewell | 248.71 | 280.90 | 278.91 | 37.4 | 39.9 | 36.9 | 6.65 | 7.04 | 7. 17 |

See footnotes at end of table.

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

| State and area | Averepe wenkly earninge |  |  | Avereen weokly hours: |  |  | Avarege hourty earnings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { JAB. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DRC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAM. } \\ & \text { 1980P } \end{aligned}$ | $\begin{aligned} & \text { JAK } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAB。 } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAK. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DRC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAR. } \\ & 1980 \mathrm{P} \end{aligned}$ |
| VIRGINIA-Continued |  |  |  |  |  |  |  |  |  |
| Richmond | \$268.00 | \$ 307. 35 | \$ 307. 22 | 40.0 | 41.2 | 40.8 | \$6.70 | \$7.46 | \$7.53 |
| Roanoke | 195.82 | 227.10 | 223. 20 | 39.4 | 41.9 | 40.0 | 4.97 | 5.42 | 5. 58 |
| WASHINGTON | 299.51 | 339.99 | (*) | 38.3 | 38.9 | (*) | 7.82 | 8.74 | (*) |
| Seattle-Everer* | 314.24 | 351.60 | (*) | 38.7 | 40.0 | (*) | 8.12 | 8.79 | (*) |
| Spokane | 272.84 | 306. 54 | (*) | 39.6 | 39.1 | (*) | 6.89 | 7.84 | (*) |
| Tacome | 321.20. | 334.40 | (*) | 40. 1 | 38.0 | (*) | 8.01 | 8.80 | (*) |
| WEST VIRGINIA . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 278.87 315.78 | 301.41 336.60 | 307.97 346.10 | 39.5 | 39.4 | 40.1 | 7.06 | 7.65 | 7.68 |
| Charleston | 315.78 | 336.60 | 346. 10 | 42.5 | 41.3 | 41.8 | 7.43 | 8.15 | 8.28 |
| Huntington-Ashland . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 304.50 | 335.82 | 332.09 | 39.7 | 38.6 | 39.3 | 7.67 | 8.70 | 8.45 |
| Parkersburg-Marietta . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 295.08 | 327.85 | 328.84 | 40.7 | 44.5 | 40.9 | 7.25 | 7.90 | 8.04 |
| Wheeling . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 289.52 | 324.39 | 330.40 | 40.1 | 39.9 | 41.3 | 7. 22 | 8. 13 | 8.00 |
| WISCONSIN | 286.60 | 320.41 | 312.87 | 40.9 | 41.6 | 40.5 | 7.01 | 7.71 | 7.73 |
| Appleton-Oshkosh . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 285.53 | 313.83 | 308. 51 | 42.2 | 42.2 | 41.2 | 6.77 | 7.44 | 7.48 |
| Eau Claire . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 278.64 | 306.26 | 306.42 | 40.1 | 40.5 | 39.7 | 6.94 | 7.56 | 7.71 |
| Green Bay . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 290.93 | 333.58 | 319.79 | 41.1 | 43.1 | 41.1 | 7.08 | 7.75 | 7.78 |
| Kenosha . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 300.19 | 418. 25 | 361.53 | 39.1 | 45.6 | 40.4 | 7.67 | 9.17 | 8.96 |
| La Crosse | 222.02 | 282.19 | 296.53 | 39.6 | 42.0 | 39.8 | 5.61 | 6.71 | 6.77 |
| Madison. | 277.42 | 325.24 | 319.55 | 39.4 | 40.3 | 39.4 | 7.05 | 8.07 | 8.10 |
| Milwaukee | 317.14 | 348.08 | 344.87 | 41.2 | 41.5 | 40.9 | 7.70 | 8. 38 | 8.43 |
| Racine | 301.42 | 355.72 | 338. 24 | 41.1 | 43.6 | 4.1.6 | 7.34 | 8.17 | 8.13 |
| WYOMING . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 239.14 | 264.99 | 238.73 | 37.9 | 39.2 | 34.8 | 6.31 | 6.76 | 6.86 |
| Casper . | 295.28 | 350.67 | 299.37 | 38.7 | 40.4 | 36.2 | 7.63 | 8.68 | 8.27 |
| Cheyenne . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | (*) | (*) | (*) | (*) | (*) | (\%) | (*) | (\%) | (*) |
| VIRGIN ISLANDS . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 258.45 | 284.14 | 300.03 | 39. 1 | 41.3 | 49.1 | 0.69 | 6.86 | 7.30 |

' Revised to 1979 benchmark; not strictly comparable with previously published data.
${ }^{2}$ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statlstical Area.
, Subarea of New York-Northeastern New Jersey.

- Subarea of Rochester Standard Metropolitan Statistical Area.
- Area included in Now York and Nassau-Suffolk comblned SMSA's.
- Subarea of Now York Standard Metropolltan Statistical Area. Subarea of Philadelphia, Pennsyivania Standard Metropolitan Statletical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
- Subarea of Northeast Pennsylvanla Standard Metropolitan Statistical Area: Lackawanna County.
- Subarea of Northeast Pennsylvanla Standard Metropolitan Statistical Area: Luzerne County.
${ }^{10}$ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falis Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia. $\mathrm{p}=$ prellminary.
- Not avallable.

SOURCE: Cooperating State agencies listed on Inside back cover.

D-1. Labor turnover rates in manufacturing, 1970 to date
(Par 100 employeess)

peporimininery.

D-2. Labor turnover rates, by industry

| $\begin{aligned} & 1872 \\ & \mathrm{sic} \\ & \text { Code } \end{aligned}$ | Industry | Acoustion rates |  |  |  |  |  | Soparation mater |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total |  | Now hires |  | Recalls |  | Total |  | Ouls: |  | Luyoth |  |
|  |  | Dec. 1979 | ${ }^{\text {Jan. }}{ }^{1980} \mathrm{p}$ | Dec. $1979$ | Jan. $1980^{\mathrm{P}}$ | Dec. 1979 | Jan. $1980^{\mathrm{P}}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ | Jan. $1980^{\mathrm{p}}$ | Dec. $1979$ | ${ }_{1980^{\circ}} \mathbf{p}$ | Dec. <br> 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980 \end{aligned}$ |
| - | MANUFACTURING | 2.2 | 3.8 | 1.5 | 2.4 | 0.5 | 1.1 | 3.5 | 4.1 | 1.1 | 1.6 | 1.7 | 1.6 |
| 24, 25, | DURABLE GOOO\$ | 1.9 | 3.5 | 1.3 | 2.1 | . 5 | 1.0 | 3.2 | 3.9 | . 9 | 1.4 | 1.6 | 1.6 |
| 20-23. | NONDURABLE GOODS | 2.6 | 4.2 | 1.8 | 2.7 | . 7 | 1. 3 | 4. 0 | 4. 4 | 1.4 | 2.0 | 1.9 | 1.6 |
| 24 | LUMBER AND WOOD PRODUCTS | 2.4 | 5.2 | 1. 7 | 3.2 | . 6 | 1.7 | 6. 0 | 6.0 | 1.8 | 2.6 | 3.3 | 2.6 |
| 242 | Sawmills and planing mills ..... | 2. 1 | - | 1.6 | - | . 4 | - | 5.6 | - | 1.6 | . | 3.0 | - |
| 2421 | Sawmills and planing mills, general . . . . . . . . . | 1. 9 | - | 1.4 | - | . 3 | - | 5.8 | - | 1.4 | - | 3.2 | - |
| 243 | Millwork, plywood, end structural members ...... | 2.3 | - | 1.5 | - | . 7 | - | 5.8 | - | 1.6 | - | 3.3 | - |
| 2431 | Millwork ......................... . | 2.6 | - | 1. 5 | - | 1.0 | - | 4.4 | - | 1. 5 | - | 2.3 | - |
| 244 | Wooden containers. | 4.0 | - | 3.5 | - | . 4 | - | 5.7 | - | 3.2 | - | 1.3 | - |
| 245 | Wood buildings and mobile homes | 2.9 | - | 1.8 | - | 1.1 | - | 8.2 | - | 2.9 | - | 4.4 | - |
| 2451 | Mobite homes ............. | 3.4 | - | 2.3 | - | 1.0 | - | 8. 1 | - | 3.5 | - | 3.6 | - |
| 249 | Miscellaneous wood products | 2.5 | - | 1.9 | - | . 5 | - | 4.7 | - | 1.8 | - | 2.1 | - |
| 25 | FURNITURE AND FIXTURES. | 2.5 | 4.6 | 1.8 | 3.6 | . 6 | . 7 | 3.5 | 5.0 | 1.6 | 2.5 | 1.2 | 1.4 |
| 251 | Household furnitura ....... | 2.8 | - | 1.9 | - | . 7 | - | 3.8 | - | 1.7 | - | 1.3 | - |
| 2511 | Wood household furniure | 2.6 | - | 2. 2 | - | . 3 | - | 3.1 | - | 1.9 | - | . 4 | - |
| 2512 | Upholstered household furniture | 2. 1 | - | 1.4 | - | . 5 | - | 3.2 | - | 1.4 | - | 1.0 | - |
| 2516 | Mattresses and bedsprings | 2.7 | - | 2.3 | - | . 3 | - | 4.6 | - | 1.8 | - | 1.9 | - |
| 252 | Office furniture . . . . . . . . | 2.0 | - | 1.7 | - | . 2 | - | 1.9 | - | 1.2 | - | . 4 | - |
| 264 | Partitions and fixtures. | 2.6 | - | 1.9 | - | . 7 | - | 3.2 | - | 1.6 | - | 1.1 | - |
| 32 | STONE, CLAY, AND OLASS PRODUCTS | 1.9 | 3.7 | 1.2 | 1.9 | . 5 | 1.6 | 4.8 | 5.0 | 1. 1 | 1.4 | 3.0 | 2.7 |
| 322 | Glass and glassware, pressed or blown .. | 1.5 | - | . 6 | - | . 7 | - | 3.0 | - | . 5 | - | 1.8 |  |
| 3221 | Glass containers ............... | 1.4 | - | . 5 | - | . 7 | - | 2.6 | - | . 5 | - | 1.6 | - |
| 3229 | Pressed and blown glass, nec | 1.7 | - | . 7 | - | . 6 | - | 3.4 | - | . 5 | - | 2.1 | - |
| 323 | Products of purchased glass .................. | 1.9 | - | 1.1 | - | . 6 | - | 4.8 | - | . 9 | - | 3.3 | - |
| 324 | Cement, hydraulic ....... | . 7 | - | . 4 | - | . 2 | - | 2.9 | - | . 2 | - | 2.1 | - |
| 325 | Structural clay products | 2.5 | - | 1.7 | - | . 6 | - | 5.7 | - | 2.0 | - | 3.0 | - |
| 326 | Pottery and related products | 1.4 | - | 1.0 | - | . 3 | - | 4.8 | - | 1.4 | - | 2.8 | - |
| 327 | Conerete, oypsum, and plaster products | 2. 3 | - | 1.8 | - | . 4 | - | 6.9 | - | 1.6 | - | 4.6 | - |
| 329 | Misc. nonmetallic mineral products . . . . | 1.9 | - | 1.1 | - | . 6 | - | 2.8 | - | . 8 | - | 1.4 | - |
| 33 | PRIMAARY METAL INDUSTRIES . . . . . . . . . . . . . . | 1.9 | 3.0 | . 7 | 1.2 | . 9 | 1.5 | 3.3 | 3.2 | . 5 | . 7 | 2.0 | 1.6 |
| 331 | Blast furnace and besic steel products . . . . . . . . . . | 2.0 | - | . 3 | 1.2 | 1.5 | 1.5 | 3.4 | 3.2 | . 2 | - | 2.5 | $\underline{-}$ |
| 3312 | Blast furnaces and steel mills .... | 2.1 | - | . 2 | - | 1.6 | - | 3.3 | - | . 1 | - | 2.4 | - |
| 332 | Iron and steel foundries ... | 1.8 | - | 1. 0 | - | . 6 | - | 4.1 | - | . 9 | - | 2.5 | - |
| 3321 | Gray iron foundries | 1.4 | - | . 8 | - | . 4 | - | 4.3 | - | . 9 | - | 2.8 | - |
| 3325 | Steel foundries, nec .......................... | 2.0 | - | 1.0 | - | . 8 | - | 2.8 | - | . 7 | - | 1.4 | - |
| 333 | Primary nonfarrous metals .................. | . 7 | - | . 5 | - | . 1 | - | 2. 9 | - | . 2 | - | . 5 | - |
| 335 | Nonferrous rolling and drawing | 1. 4 | - | . 7 | - | . 2 | - | 1. 7 | - | . 5 | - | . 7 | - |
| 3351 | Copper rolling and drawing. | . 9 | - | . 7 | - | . 2 | - | 3.5 | - | . 5 | - | 2.1 |  |
| 3363 | Aluminum sheet, plate, and foil ............ | . 8 | - | . 2 | - | . 6 | - | 1.0 | - | . 1 | - | . 6 | - |
| 3367 | Nonferrous wire drawing and insulating ....... | 1.7 | - | . 7 | - | . 1 | - | 1.2 | - | . 5 | - | .4 | - |
| 336 | Nonferrous foundries .................... | 2.8 | - | 1.8 | - | . 7 | - | 4.6 | - | 1.5 | - | 2.4 | - |
| 3361 | Aluminum foundrias .................... | 2.9 | - | 1.8 | - | . 9 | - | 5.4 | - | 1.5 | - | 3.2 | - |
| 34 | FABRICATED METAL PRODUCTS | 2. 1 | 4.0 | 1.5 | 2.5 | . 5 | 1.2 | 3.4 | 4.4 | 1.1 | 1.6 | 1.6 | 2.0 |
| 341 | Metal cans and shipping containers ............. | 2.9 | - | . 6 | . | 1.9 | 1.2 | 5.4 | $\underline{-}$ | . 5 | 1.6 | 4. 1 | $\underline{-}$ |
| 3411 | Metal cans | 3.1 | - | . 4 | - | 2.3 | - | 6.2 | - | . 4 | - | 5.0 | - |
| 342 | Cutery, hand tools, and hardware . . . . . . . . . . . | 2.0 | - | 1.4 | - | . 4 | - | 3.0 | - | 1.0 | - | 1.3 | - |
| 3423, 5 | Hand and edge tools, and hand saws end blades. | 2.0 | - | 1.6 | - | . 4 | - | 2.0 | - | 1.1 | - | .$^{3}$ | - |
| 3429 | Hardware, nec | 1.9 | - | 1.3 | - | . 5 | - | 3.7 | - | . 9 | - | 2.0 | - |
| 343 | Plumbing and heating, except electric . . . . . . . . . | 1.8 | - | 1.4 | - | . 2 | - | 2.6 | - | 1.1 | - | 2. 8 | - |
| 344 | Fabricated structural metal products | 2.3 | - | 1.9 |  | . 4 |  | 3.3 |  | 1.4 |  | 1.2 |  |
| 3441 | Fabricated structural matal .............. | 2.5 |  | 2. 1 |  | . 3 |  | 3.2 |  | 1.4 |  | 1.0 |  |
| 3442 | Metal doors, sast, and trim ....... | 2.6 | - | 2.2 | - | . 4 | - | 4.4 | - | 2.1 | - | 1.6 | - |
| 3443 | Fabricated plate work (boiler shops) . . . . . . . . . | 1.5 | - | 1.3 | - | . 1 | - | 2. 3 | - | .8 .8 | - | 1.6 .9 | - |
| 3444 | Sheet metal work . . . . . . . . . . . . . . . . . . . | 2.8 | - | 2.0 |  | . 8 |  | 3.8 |  | 1.5 | - | 1.5 |  |
| 345 | Scraw machine products, bolts, etc. . . . . . . . . . | 1.9 | - | 1.5 | - | . 3 | - | 2.8 | - | 1.0 | - | 1.1 | - |
| 3451 | Screw machine products | 2.3 |  | 2.0 | - | . 3 | - | 2.9 | - | 1.4 |  | . 8 | - |
| 3452 | Bolts, nuts, rivets, and washers | 1.6 |  | 1.2 |  | . 4 | - | 2.8 | - | . 7 |  | 1.4 |  |
| 346 | Metal forgings and stampings . . . . . . . . . . . . . . | 1.6 | - | $\bigcirc$ | - | . 4 | - | 3.9 | - | . 7 | - | 2.6 | - |
| 3462 | Iron and steel forgings . . . . . . . . . . . . . . . . | 1.1 |  | . 8 | - | . 3 | - | 3.8 | - | . 4 | - | 2.8 | - |
| 3466 | Automotive stampings . . . . . . . . . . . . . . . . . | 1.3 | - | . 2 | - | . 5 | - | 6.0 | - | . 4 | - | 5.1 | - |
| 3469 | Maral stempings, nec. | 2. 1 |  | 1.6 | - | . 4 | - | 2.6 | - | 1.1 | - | . 7 | - |
| 347 | Metal services, nec . . . . . . . . . . . . . . . . . . . . . | 3.7 |  | 2.7 | - | . 9 | - | 5.0 |  | 1.7 | - | 2.4 | - |
| 348 | Ordnance and accassories, nec . . . . . . . . . . . . . . | 1.5 | - | 1.1 | - | . 3 | - | 1.6 | - | . 6 | - | . 5 | - |
| 349 | Misc. fabricatod metal products .............. | 1.9 | - | 1.5 | - | . 3 | - | 2.9 | - | 1.1 | - | 1.2 | - |
| 3494 3496 | Valves and pipe fittings . . . . . . . . . . . . . . . . Misc. fabricated wire products . . . . . . . . . | 1.6 | - | 1. 3 | - | . 2 | - | 1.8 | - | . 8 | - | . 5 | - |
| 3496 | Misc. fabricated wire products . . . . . . . . . . . | 2.9 |  | 2.5 |  | . 4 |  | 5.4 |  | 1.9 |  | 2.8 |  |

See footnotes at end of table.

D-2. Labor turnover rates, by industry

| 1972 81 C Code | Indurtry | Accoution rates |  |  |  |  |  | Separation ratas |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total |  | Now hires |  | Recall |  | Total |  | Ouits |  | Layofts |  |
|  |  | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 |
|  | MANUFACTURING | 4.1 | 3.9 | 3.1 | 2.9 | 0.7 | 0.7 | 3.9 | 4.0 | 2.1 | 2.0 | 0.9 | 1.1 |
| $\begin{array}{r} 24,25 \\ 32 \cdot 39 \end{array}$ | DURABLE GOODS | 3.8 | 3.6 | 2.8 | 2.7 | . 6 | . 6 | 3.4 | 3.6 | 1.8 | 1. 7 | . 7 | 1.0 |
| $\begin{gathered} 20-23, \\ 26.31 \end{gathered}$ | NONDURABLE GOODS <br> DURABLE GOODS | 4.6 | 4.5 | 3.4 | 3.3 | . 9 | . 9 | 4.5 | 4.6 | 2.5 | 2.5 | 1.2 | 1.3 |
| 24 | LUMBER AND WOOD PRODUCTS | 6.1 | 5.5 | 5.1 | 4.5 | . 8 | . 8 | 5.9 | 6.1 | 3.8 | 3.5 | . 9 | 1.4 |
| 242 | Sawmills and planing mills ....... | 4.9 | 4.4 | 4.1 | 3.6 | . 5 | . 6 | 4.8 | 4.8 | 3.2 | 2.9 | . 6 | . 9 |
| 2421 | Sawmills and planing mills, general | 4.3 | 3.9 | 3.6 | 3.3 | . 5 | . 5 | 4.3 | 4.4 | 2.8 | 2.6 | . 6 | . 9 |
| 243 | Millwork, plywood, and structural members | 6.0 | 5.2 | 5.2 | 4.4 | . 5 | . 7 | 5. 7 | 5.9 | 3.7 | 3.3 | . 8 | 1.3 |
| 2431 | Millwork | 5.5 | 4.8 | 4.8 | 3.8 | . 6 | . 9 | 5.4 | 5.6 | 3.6 | 3.1 | . 9 | 1. 5 |
| 244 | Wooden containers | 9.2 | 7.9 | 8.1 | 7.0 | . 9 | . 8 | 8.9 | 8.1 | 7.1 | 6.1 | . 9 | . 9 |
| 245 | Wood buildings and mobile homes | 9.9 | 8.8 | 8.4 | 7.4 | 1.4 | 1.3 | 10.1 | 10.6 | 6.3 | 5.9 | 1.6 | 2.8 |
| 2451 | Mobile homes | 10.8 | 10.0 | 9.6 | 8.8 | 1.1 | 1.1 | 10.9 | 11.5 | 7.2 | 6.9 | 1. 1 | 2.5 |
| 249 | Miscellaneous wood products | 5.4 | 5.3 | 4.6 | 4.3 | . 5 | . 6 | 5.1 | 5.3 | 3.5 | 3.2 | . 7 | 1.0 |
| 25 | FURNITURE AND FIXTURES | 5.9 | 5. 1 | 5.2 | 4.3 | . 4 | . 6 | 5.7 | 5.3 | 3.8 | 3.2 | . 7 | . 9 |
| 251 | Household furniture. | 6.2 | 5. 4 | 5.6 | 4.6 | . 4 | . 6 | 6.2 | 5.6 | 4.2 | 3.6 | . 6 | . 8 |
| 2511 | Wood household furniture | 6.5 | 5.5 | 6.0 | 5. 0 | . 3 | . 4 | 6.4 | 5.5 | 4.8 | 3.9 | . 4 | . 3 |
| 2512 | Upholstered household furniture | 5.5 | 4.6 | 4.9 | 3.9 | . 4 | . 5 | 5.4 | 5.0 | 3.8 | 3.2 | . 6 | . 7 |
| 2515 | Mattresses and bedsprings. | 5.9 | 5.9 | 5.3 | 5.4 | . 4 | . 4 | 5. 7 | 6.0 | 3.6 | 3.6 | . 6 | . 9 |
| 252 | Office furniture ......... | 4.0 | 3.6 | 3.6 | 2.9 | . 3 | .5 | 3.5 | 3.7 | 2.3 | 2. 0 | . 3 | . 9 |
| 254 | Partitions and fixtures | 6.5 | 5.7 | 5.8 | 4.9 | . 6 | .7 | 6.4 | 5.5 | 3.7 | 3.1 | 1.3 | 1.2 |
| 32 | STONE, CLAY, AND GLASS PRODUCTS | 4. 1 | 4.1 | 3.1 | 3.0 | . 8 | . 9 | 4.0 | 4.2 | 2.0 | 2.0 | 1.0 | 1.3 |
| 322 | Glass and glassware, pressed or blown .. | 2.8 | 3.0 | 1.7 | 1.6 | . 8 | 1.1 | 3.2 | 3.3 | 1.1 | 1.1 | 1.0 | 1.4 |
| 3221 | Glass containers .............. | 2.8 | 2. 8 | 1.8 | 1.5 | . 7 | 1.1 | 3.3 | 3.3 | 1.3 | 1.3 | 1.2 | 1.4 |
| 3229 | Pressed and blown glass, nec | 2.9 | 3.2 | 1.5 | 1.6 | . 8 | 1.0 | 3.1 | 3.3 | . 8 | . 9 | . 9 | 1. 3 |
| 323 | Products of purchased glass .. | 4.5 | 4.4 | 3.5 | 3.0 | . 9 | 1.2 | 4.1 | 4.7 | 2.2 | 2.2 | . 9 | 1.4 |
| 324 | Coment, hydraulic ...... | 2. 0 | 1. 4 | 1.3 | 1.1 | . 6 | . 2 | 1.8 | 1.5 | . 6 | . 6 | . 5 | . 4 |
| 325 | Structural clay products | 6.0 | 5. 5 | 5.2 | 4.6 | . 7 | . 7 | 5.6 | 5.7 | 3.8 | 3.7 | . 7 | 1.0 |
| 328 | Pottery and related products | 4.0 | 3.5 | 3.3 | 2.9 | . 4 | . 4 | 4.0 | 3.9 | 2.3 | 1.9 | . 6 | 1. 0 |
| 327 | Concrete, gypsum, and plaster products | 5.5 | 5.6 | 4. 3 | 4.3 | 1.1 | 1.2 | 5.1 | 5.4 | 2.7 | 2. 7 | 1.5 | 1. 7 |
| 329 | Misc. nonmetallic mineral products .... | 3.2 | 3.2 | 2.6 | 2.5 | . 4 | . 5 | 3.0 | 3.3 | 1.5 | 1.6 | . 6 | . 9 |
| 33 | PRIMARY METAL INDUSTRIES | 2.9 | 2.6 | 1.8 | 1.7 | . 8 | . 6 | 2.5 | 2.9 | 1.0 | 1.0 | . 6 | 1.0 |
| 331 | Blast furnace and basic steel products | 2.5 | 2.2 | 1.1 | 1.0 | 1.1 | . 8 | 2.3 | 2. 5 | . 5 | . 5 | . 8 | 1.1 |
| 3312 | Blast furnaces and steel mills .... | 2. 5 | 2. 1 | 1.0 | . 9 | 1.1 | . 8 | 2.2 | 2.4 | . 4 | . 4 | . 8 | 1.1 |
| 332 | Iron and steel foundries | 3.6 | 3.2 | 2.8 | 2.5 | . 5 | . 5 | 3.1 | 4.1 | 1.6 | 1.6 | . 5 | 1.4 |
| 3321 | Gray iron foundries | 3.3 | 3.1 | 2.6 | 2.3 | . 5 | . 4 | 3.0 | 4.1 | 1.6 | 1.7 | . 5 | 1. 5 |
| 3325 | - Steel foundries, nec ... | 4.3 | 3.2 | 3.2 | 2.6 | . 9 | . 4 | 3.5 | 3.6 | 1.5 | 1.5 | . 7 | . 9 |
| 333 | Primary nonferrous metals | 1.7 | 1.5 | 1.2 | 1.2 | - 3 | . 2 | 1.6 | 1. 6 | . .6 | 1. 6 | . 3 | . 2 |
| 335 | Nonferrous rolling and drawing | 2.2 | 2.2 | 1.6 | 1.7 | - 3 | . 3 | 1.9 | 2.1 | . 8 | . 8 | . 4 | . 5 |
| 3351 | Copper rolling and drawing.... | 2.8 | 2.3 | 2.4 | 1.9 | . 3 | . 2 | 2.2 | 2.4 | 1.1 | 1.0 | . 2 | . 5 |
| 3353 | Aluminum sheet, plate, and foil | 1.4 | 1.2 | 1.0 | . 8 | . 3 | . 3 | 1.1 | 1.3 | . 3 | . 3 | . 3 | . 6 |
| 3357 | Nonferrous wire drawing and insulating | 2.1 | 2.2 | 1.4 | 1.5 | - 3 | . 3 | 2.0 | 1.9 | . 8 | .7 | . 5 | . 6 |
| 336 | Nonterrous foundries | 4.5 | 4.5 | 3.4 | 3.4 | . 8 | . 8 | 4.1 | 4.9 | 2.1 | 2.2 | . 8 | 1.6 |
| 3361 | Aluminum foundries | 4.3 | 4.5 | 3.3 | 3.4 | . 7 | . 8 | 3.9 | 4.9 | 2.0 | 2.1 | . 8 | 1.6 |
| 34 | FABRICATED METAL PRODUCTS | 4.1 | 4.0 | 3.2 | 3.1 | . 6 | . 7 | 3.9 | 4.1 | 2.1 | 2.0 | . 9 | 1.2 |
| 341 | Metal cans and shipping containers | 4.1 | 4.1 | 1.7 | 1.7 | 1.9 | 2.0 | 4. 4 | 4.4 | 1. 1 | 1. 1 | 2.2 | 2.3 |
| 3411 | Metal cans . ............. | 3.9 | 4.0 | 1.3 | 1.2 | 2.1 | 2. 3 | 4. 4 | 4.3 | . 8 | . 8 | 2.5 | 2.6 |
| 342 | Cutlery, hand tools, and ha dware . . . . . . . . . . . | 3.8 | 3.4 | 3.1 | 2.7 | . 3 | . 5 | 3.5 | 3.8 | 2.0 | 1.8 | . 7 | 1.2 |
| 3423.5 | Hand and edge tools, and hand saws and blades. | 3.6 | 3.2 | 3.1 | 2.8 | . 3 | - 3 | 3.2 | 3.1 | 1.9 | 1.8 | . 4 | . 5 |
| 3429 | Hardware, nec ........................ | 4.0 | 3.6 | 3.2 | 2.7 | . 3 | . 7 | 3.8 | 4.3 | 2.0 | 1.8 | . 9 | 1.6 |
| 343 | Plumbing and heating, except electric. | 3.9 | 4.1 | 3.2 | 3.3 | . 5 | . 7 | 3.9 | 4.0 | 2.0 | 2.0 | . 9 | 1.0 |
| 344 | Fabricated structural metal products | 4.7 | 4.5 | 3.9 | 3.7 | . 7 | . 6 | 4.5 | 4.5 | 2.6 | 2.5 | 1. 0 | 1. 0 |
| 3441 | Fsiuricated structural metal | 5.3 | 4.9 | 4.2 | 4.2 | 1.0 | . 7 | 5.0 | 4.6 | 2.6 | 2.6 | 1. 3 | 1.0 |
| 3442 | Metal doors, sash, and trim ...... | 6.5 | 5.8 | 5.6 | 4.8 | . 8 | . 9 | 6.7 | 6.2 | 4.2 | 3.6 | 1.2 | 1.4 |
| 3443 | Fabricated plate work (boiler shops). | 2. 7 | 2.7 | 2.2 | 2.2 | . 4 | - 3 | 2.6 | 2.8 | 1.4 | 1.4 | . 5 | . 6 |
| 3444 | Sheet metal work . . . . . . . . . | 5.1 | 4.9 | 4.4 | 4.2 | . 6 | . 6 | 4.7 | 4.9 | 2. 7 | 2. 6 | 1.0 | 1.2 |
| 345 | Screw inachine products, bolts, etc. | 3.7 | 3.8 | 3.3 | 3.4 | . 3 | . 3 | 3.2 | 3.8 | 2.0 | 2. 3 | . 3 | . 6 |
| 3451 | Screw machine products ... | 4.5 | 4.6 | 4. 2 | 4.2 | . 2 | . 3 | 3. 7 | 4.4 | 2.6 | 3.0 | . 2 | . 4 |
| 3452 | Bolts, nuts, rivets, and washers | 3.0 | 3.1 | 2. 5 | 2.6 | - 3 | - 3 | 2.8 | 3.3 | 1.5 | 1.6 | . 4 | . 7 |
| 346 | Metal forgings and stampings | 3.4 | 3.5 | 2.3 | 2.2 | . 6 | . 8 | 3.2 | 4.1 | 1.4 | 1.4 | . 9 | 1.9 |
| 3462 | Iron and steel forgings | 2.5 | 2.9 | 2.0 | 1.9 | . 3 | . 8 | 2. 0 | 3.1 | 1.0 | 1.0 | . 4 | 1.4 |
| 3465 | Automotive stampings | 3.0 | 3.2 | 1.3 | 1.0 | . 6 | 1.1 | 3.1 | 4.8 | . 9 | . 8 | 1.5 | 3.3 |
| 3469 | Metal stampings, nec | 4.1 | 4.1 | 3.4 | 3.5 | . 5 | . 5 | 3.8 | 4.2 | 2.1 | 2.2 | . 7 | 1. 0 |
| 347 | Metal services, nec ....... | 6.2 | 5.8 | 5.3 | 4.8 | . 7 | . 8 | 5.9 | 5.8 | 3.5 | 3.2 | 1. 0 | 1. 2 |
| 348 | Ordnance and accessories, nec . . . . . . . . . . . . . . | 2.4 | 2.0 | 1.6 | 1.6 | . 6 | . 3 | 1.8 | 1.9 | . 8 | .9 .9 | 1. 4 | .2 .5 |
| 349 3494 | Misc. fabricated metal products ............... | 3.8 | 3.8 | 3. 2 | 3.1 | . 4 | . 5 | 3.6 | 3.7 | 2.1 | 2.1 | . 6 | . 8 |
| 3494 | Valves and pipe fittings ................... | 2.7 | 3.0 | 2.2 | 2.4 | . 3 | . 4 | 2.6 | 2. 7 | 1. 4 | 1. 4 | . 4 | . 5 |
| 3496 | Misc. fabricated wire products ............. | 5.7 | 5.6 | 5.1 | 4.9 | . 5 | . 5 | 5.0 | 5.4 | 3.5 | 3.4 | . 6 | . 9 |

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

| $\begin{aligned} & 1972 \\ & 81 C \\ & \text { Code } \end{aligned}$ | Industry | Accomion reter |  |  |  |  |  | Soperation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Toter |  | Now hises |  | Recenlt |  | Totar |  | Oults |  | Levoffs |  |
|  |  | $\begin{aligned} & \text { Dec, } \\ & 1979 \end{aligned}$ | ${ }_{1980^{\prime}} \mathrm{P}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ | Jan. $1980^{\mathrm{p}}$ | Dec. 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980^{2} \end{aligned}$ | Dec. 1979 | ${ }_{1980}{ }^{\text {Jan. }}$ | Dec. 1979 | Jan. $1980^{\circ}$ | Dec. 1979 | Jan. $1980^{p}$ |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 1.8 | 2.8 | 1.3 | 2.0 | 0.3 | 0.5 | 1.9 | 2.7 | 0.7 | 1.2 | 0.6 | 0.7 |
| 351 | Engines and turbines ...... | 1.5 | - | . 5 | - | $\mathrm{i}^{2}$ | - | 1.7 | - | . 3 | - | . 6 | - |
| 3611 | Turtines and turbine generator sets | 1.3 | - | . 6 | - | ( ${ }^{1}$ ) | - | 1.6 | - | . 2 | - | ( ${ }^{1}$ | - |
| 3519 | Internal combustion angines, nec | 1.5 | - | . 5 | - | . 3 | - | 1.8 | - | . 3 | - | . 8 | - |
| 362 | Farm and garden machinery ....... | 2.2 | - | 1. 7 | - | .2 | - | 1.8 | - | . 7 | _ | . 6 | - |
| 3523 | Farm machinery and equipmemt | 2. 1 | - | 1.6 | - | . 2 | - | 1.8 | - | . 7 | - | . 6 | - |
| 353 | Construction and rotutad machinery | 2.3 | - | 1.1 | - | 1.0 | - | 1.9 | - | . 6 | - | . 8 | - |
| 3531 | Construction machinery | 3.4 | - | . 5 | - | 2.8 | - | 2.5 | - | . 3 | - | 1.8 | - |
| 3533 | Oil fisid machinery. | 1.9 | - | 1.8 | - | ( ${ }^{\text {3 }}$ | - | 1.5 | - | 1.0 | - | ( ${ }^{1}$ ) | - |
| 354 | Metalworking machinery . | 1.9 | - | 1.4 | - | . 3 | - | 1.9 | - | . 7 | - | . 6 | - |
| 3541 | Machine tools, metel cutting types | 1.6 | - | 1.4 | - | . 1 | - | 1.2 | - | . 6 | - | . 1 | - |
| 3544 | Special dies, tools, jigs, and fixtures | 2.1 | - | 1.3 | - | . 5 | - | 2.8 | - | . 8 | - | 1.2 | - |
| 3545 | Machine tool accessories | 1.9 | - | 1.6 | - | . 2 | - | 1.3 | - | . 7 | - | . 1 | - |
| 356 | Special industry machinary | 1.4 | - | 1.2 | - | . 1 | - | 1.4 | - | . 7 | - | . 2 | - |
| 3651 | Food products machinery | 1.2 | - | 1.0 | - | . 1 | - | 1.2 | - | . 6 | - | . 1 | - |
| 365? | Textile machinery | 1.7 | - | 1.4 | - | . 1 | - | 1.8 | - | . 9 |  | . 3 | _ |
| 356 | General industrial machinery | 1.5 | - | 1.1 | - | . 2 | - | 1.7 | - | . 6 | - | . 6 | - |
| 366 | Pumps and pumping equipment | 1.2 | - | 1.1 | - | . 1 | - | 1.6 | - | . 6 | - | . 5 | - |
| 3562 | Ball and rolier bearings | 1.4 | - | . 7 | - | . 2 | - | 1.9 | - | . 4 | - | 1.0 | - |
| 3564 | Blowers and fans | 1. 5 | - | 1.1 | - | . 3 | - | 2.0 | - | . 7 | - | ${ }^{8}$ | - |
| 357 | Office and computing machines | 1.7 | - | 1.4 | - | . 1 | - | 1.4 | - | . 9 | - | (i) | - |
| 3673 | Electronic computing equipment | 1.6 | - | 1.4 | - | . 1 |  | 1.4 | - | .9 | - | (1) | - |
| 358 | Retrigeration and service machinery . | 1.7 | - | 1.2 | - | . 2 | - | 2.6 | - | . 7 | - | 1.2 | - |
| 3586 | Refrigeration and heating equipment | 1.6 | - | 1.0 | - | . 3 | - | 2.8 | - | . 7 | - | 1.4 | - |
| 350 | Misc. machinary, except electrical | 2.1 | - | 1.8 | - | . 2 | - | 2.9 | - | 1.1 | - | 1.2 | - |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 2.0 | 3.0 | 1.4 | 2.1 | . 3 | . 5 | 2.2 | 3.3 | : 9 | 1.4 | . 6 | 1.0 |
| 381 | Electric distributing equipment ... | 1.7 | - | 1.0 | - | . 3 | - | 2.4 | - | . 8 | - | . 7 | . |
| 3812 | Transformers ............ | 1.6 | - | 1.0 | - | . 1 | - | 2.3 | - | . 7 | - | . 6 | - |
| 3813 | Switchgear and switchboerd apparatus | 1.8 | - | 1.0 | - | . 4 | - | 2.5 | - | . 9 | - | . 8 | - |
| 362 | Electrical industrial apparatus | 1.7 | - | 1.0 | - | . 3 | - | 1.7 | - | . 7 | - | . 4 | - |
| 3621 | Motors and generators | 1.9 | - | 1.0 | - | . 5 | - | 1.8 | - | . 6 | - | . 5 | - |
| 3822 | 'nduatrial controls... | 1.3 | - | . 9 | - | .1 | - | 1.6 | - | . 7 | - | . 3 | - |
| 383 | Household appliances | 1.9 | - | 1.0 | - | . 2 | - | 2.7 | - | . 9 | - | . 9 | - |
| 3832 | Household refrigerators and freezers | 1.7 | - | . 3 | - | . 4 | - | 2.5 | - | . 4 | - | . 8 | - |
| 3033 | Household laundry equipment | 1.1 | - | . 3 | - | . 2 | - | 1. 0 | - | . 3 | - | . 2 | - |
| 3034 | Electric housewares and tans. | 2.3 | - | 1.8 | - | . 3 | - | 3. 7 | - | 1.5 | - | 1.4 | - |
| 384 | Electric lighting and wiring equlpment | 2.0 | - | 1.4 | - | . 3 | - | 3.0 | - | 1.1 | - | 1.2 | - |
| 3841 | Electric lempe . . . . . . . . . . | 1.0 | - | . 5 | - | . 1 | - | 1.7 | - | . 4 | - | . 7 | - |
| 3893 | Current-carrying wiring devices | 2. 1 | - | 1.7 |  | -1 | - | 2.2 | - | 1.2 | - | .4 | - |
| 386 | Redio and TV recelving equipment. | 2. 0 | - | 1. 2 | - | . 4 | - | 2.6 | - | . 8 | - | 1.0 | - |
| 3851 | Radio and TV recelving sots | 1.8 | - | 1.1 | - | . 2 | - | 2. 1 | - | . 6 | - | . 6 | - |
| 368 | Communication equipment .... | 1.5 | - | 1.2 |  | . 1 | - | 1.2 |  | . 7 | - | $\cdots$ | - |
| 3881 | Telephone and tolegraph apparatus ..... | 1.1 | - | . 9 | - | . 1 | - | . 6 | - | . 3 | - | (i) | - |
| 3862 | Redio end TV communication equipment | 1.6 | - | 1.3 | - | . 1 | - | 1. 5 | - | . 8 | - | $\xrightarrow{+}$ | - |
| 367 $3671-3$ | Electronic components and secossories . | 2. 7 | - | 2.2 |  | . 3 | - | 2. 4 |  | 1.3 | - | . 4 | - |
| $3 \mathrm{3671-3}$ | Electronic tuber .............. | 1.5 | - | . 8 |  | . 2 | - | 2.2 |  | 1. 6 | - | .6 | - |
| 3874 | Semiconductors and related devices | 2.4 | - | 2.1 | - | . 2 | - | 1.8 | - | . 9 | - | . 1 | - |
| 3679 | Electronic components, nec ....... | 2.8 | - | 2.4 | - | . 3 |  | 2.8 |  | 1.6 |  | .5 |  |
| 369 3694 | Mise. eleetrical equipment and supplies | 1.8 | - | 1.0 | - | . 6 | - | 3.5 | - | . 7 | - | 2.1 | - |
| 3694 | Engine electrical equipment . . . . . | 1.3 |  | . 5 | - | . 5 | - | 4.7 | - | . 5 |  | 3.6 | - |
| 37 | TRANEPORTATION EOUIPMENT | 1.6 | - | . 7 | - | . 6 | - | 3.5 | - | . 5 | - | 2.4 | - |
| 371 | Motor vehicles end equipment | 1.3 | - | . 3 | - | . 5 | - | 4.7 | - | . 4 | - | 3.7 | - |
| 3711 | Motor vehicles and car bodies | . 9 | - | . 2 | - | . 3 | - | 4.3 | - | . 3 | - | 3.4 | - |
| 3713 | Truck and bus bodies ....... | 2.0 | - | 1. 1 | - | . 9 | - | 4.1 | - | . 9 | - | 2.6 | - |
| 3714 | Motor vehicle parts and accessories | 1.5 | - | . 3 | - | . 6 | - | 5. 1 | - | . 3 | - | 4.0 | - |
| 3715 | Truck trailers | 2.6 | - | 1.1 | - | 1.1 | - | 6.5 | - | . 9 | - | 4.7 | - |
| 372 | Aircraft and parts | 1.0 | - | . 7 | - | ${ }^{1}$ | - | . 9 | - | . 4 | - | . 1 | - |
| 3721 | Aircraft ........ | . 6 | - | . 5 | - | (1) | - | . 7 | - | . 3 | - | (i) | - |
| 3724 | Aircreft engines and engine pars | 1.1 | - | . 7 | - | ( ${ }^{1}$ | - | . 9 | - | . 3 | - | $\xrightarrow{+1}$ | - |
| 3728 | Aircraft equipment, nec....... | 1.9 | - | 1.6 | - | . 2 | - | 1.6 | - | . 9 | - | .1 | - |
| 373 | Ship and boet building and repairing | 3.4 | - | 1.8 | - | 1.6 | - | 5.2 | - | 1.2 | - | 3.1 | - |
| 3731 3732 | Ship building and repsiring | 3. 6 | - | 1.7 | _ | 1.7 | - | 4.9 | - | - 9 | - | 3.2 | - |
| 3732 | Boat building and repairing | 3. 1 | - | 1.8 | - | 1.2 | - | 5.9 | - | 2. 3 | $\square$ | 2.8 | - |
| 374 | Railrond equipment | 2.8 | - | . 5 | - | 1.7 | - | 2. 0 | - | . 3 | - | . 8 | - |
| 378 | Guided missiles, apece vehicles, perti | 1. 5 | - | 1.2 | - | . 2 | - | . 6 | - | . 3 | - | (i) ${ }^{8}$ | - |
| 3781 379 | Guidsad minsiles end soace vehicles ... | 1.4 | - | 1. 2 | - | . 1 | - | . 5 | - | .3 . | - | (') | - |
| 378 | Miscellaneous transportation equipment | 3.7 | - | 2. 0 | - | 1.4 | - | 9.2 |  | 1.5 | - | 6.7 | - |
| 38 | Instruments And related Products | 1.8 | 3. 1 | 1.5 | 2.5 | . 1 | . 3 | 1.9 | 2.7 | . 9 | 1.6 | . 5 | . 4 |
| 381 | Engingering and scientific instruments | 2.0 | - | 1.9 | - | . 1 | - | 1.3 | - | . 8 | - | . 1 |  |
| 382 | Masuring and controlling devices | 1.8 | - | 1.4 1.5 | - | . 1 | - | 1. 4 | - | . 8 | - | . 2 | - |
| 3822 | Environmentel controls ... | 2. 1 | - | 1.5 | - | . 2 | - | 1.6 | - | . 7 | - | . 3 | - |
| 3823 | Process control instrumants ........... | 1.5 | - | 1. 3 | - | . 2 | - | 1. 3 | - | . 6 | - | . 1 | - |
| 3825 | Instruments to measure dectricity . . . . . . | 1.7 | - | 1.3 | - | . 1 | - | 1.4 | - | . 9 | - | .1 | - |

[^16]D-2. Labor turnover rates, by industry-Continued

| $\begin{aligned} & 1872 \\ & \text { sic } \\ & \text { Code } \end{aligned}$ | Induntry | Accouslon rates |  |  |  |  |  | Seperation rater |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Toum |  | Nown hiret |  | Rocells |  | Total |  | Oults |  | Leyofts |  |
|  |  | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 |
| 35 | MACHINERY, EXCEPT ELECTRICAL | 3.0 | 2.9 | 2.4 | 2.4 | 0.3 | 0.3 | 2.5 | 2.6 | 1.3 | 1.4 | 0.4 | 0.5 |
| 351 | Engines and turbines | 2.0 | 2.5 | 1.1 | 1.2 | . 3 | . 4 | 1.9 | 2.6 | . 5 | . 6 | . 4 | . 8 |
| 3511 | Turbines and turbine generator sets | 1.5 | 1.6 | . 6 | . 7 | . 1 | (1) | 1.7 | 2.2 | . 3 | . 3 | . 3 | . 6 |
| 3519 | Internal combustion engines, nec | 2.3 | 2.9 | 1.4 | 1.5 | . 4 | . 5 | 1.9 | 2.7 | . 6 | . 7 | . 4 | . 8 |
| 352 | Farm and garden machinery | 4.2 | 3.9 | 2.5 | 3.1 | 1.2 | . 4 | 3.9 | 3.2 | 1.5 | 1.7 | 1.4 | . 5 |
| 3523 | Farm machinery and equipment | 3.8 | 3.8 | 2.2 | 3.0 | 1.1 | . 4 | 3.8 | 3.1 | 1.4 | 1.7 | 1. 3 | . 5 |
| 353 | Construction and related mechinery | 2.8 | 2.5 | 2.4 | 2.1 | . 3 | . 3 | 2.2 | 2. 4 | 1.2 | 1.2 | . 3 | . 6 |
| 3531 | Construction machinery . | 2.3 | 2.0 | 1.8 | 1.4 | - 3 | . 4 | 1.6 | 2.2 | .8 .8 | 1.8 .8 | . 2 | . 8 |
| 3533 | Oil field machinery. | 4.0 | 3.4 | 3.7 | 3.0 | . 1 | . 2 | 3.0 | 2.9 | 1.9 | 1.9 | . 1 | . 2 |
| 354 | Metalworking machinery. | 2.8 | 2.9 | 2. 3 | 2.4 | . 3 | . 3 | 2. 5 | 2.5 | 1.4 | 1.4 | . 4 | . 4 |
| 3541 | Machine tools, metal cutting types. | 2. 1 | 2. 4 | 1.8 | 2.1 | . 2 | . 1 | 1.7 | 1.7 | . 9 | 1.0 | . 2 | . 1 |
| 3544 | Special dies, tools, jigs, and fixtures | 3.3 | 3.3 | 2.7 | 2.6 | . 3 | . 4 | 3.0 | 3.3 | 1.6 | 1.6 | . 5 | . 6 |
| 3545 | Machine tool accessories | 2.9 | 3.0 | 2.5 | 2.6 | . 2 | . 2 | 2.4 | 2. 3 | 1.5 | 1. 4 | . 2 | . 2 |
| 355 | Special industry machinery | 2.5 | 2.4 | 2.1 | 2.1 | . 3 | . 2 | 2.2 | 2.2 | 1.2 | 1.3 | . 3 | . 3 |
| 3551 | Food products machineriy | 2. 4 | 2.2 | 2.0 | 2.0 | . 2 | . 2 | 2.2 | 2.1 | 1.2 | 1.2 | . 3 | . 3 |
| 3552 | Textile machinery | 3.3 | 3.0 | 2.4 | 2.4 | . 6 | . 3 | 3.1 | 3.4 | 1.6 | 1.7 | . 6 | . 8 |
| 356 | General industrial machinery | 2.5 | 2.5 | 2.0 | 2.0 | . 3 | . 2 | 2.2 | 2. 4 | 1.2 | 1.2 | . 3 | . 5 |
| 3561 | Pumps and pumping equipment | 2. 1 | 2.1 | 1.9 | 1.9 | . 1 | . 1 | 1.9 | 2. 1 | 1.2 | 1.2 | . 2 | . 3 |
| 3562 | Ball and roller bearings | 2.2 | 2.2 | 1.6 | 1.5 | . 3 | . 2 | 1.8 | 2.2 | . 7 | . 9 | . 4 | . 7 |
| 3564 | Blowers and fans. | 3.1 | 3.0 | 2.6 | 2.6 | . 4 | . 3 | 2.6 | 2.9 | 1.5 | 1.6 | . 3 | . 6 |
| 357 | Office and computing machines ... | 2.8 | 2.9 | 2.3 | 2.5 | . 1 | . 1 | 2.0 | 2.2 | 1.2 | 1.3 | (i) ${ }^{1}$ | .1 |
| 3573 | Electronic computing equipment | 2. 7 | 2.9 | 2. 3 | 2.6 | . 1 | .1 | 1.9 | 2. 1 | 1.1 | 1.3 | (i) | .1 |
| 358 | Refrigeration and service machinery ... | 3.4 | 3.1 | 2.7 | 2.2 | . 4 | . 5 | 3.2 | 3.4 | 1. 5 | 1.4 | . 6 | 1.0 |
| 3585 | Refrigeration and heating equipment | 3.4 | 3.1 | 2.6 | 2.1 | . 5 | . 6 | 3.2 | 3.6 | 1.5 | 1.3 | . 6 | 1.1 |
| 359 | Misc. machinery, except electrical | 4.1 | 3.8 | 3.6 | 3.3 | . 4 | . 4 | 3.7 | 3.6 | 2.2 | 2. 1 | . 5 | 1. 6 |
| 36 | ELECTRIC AND ELECTRONIC EQUIPMENT | 3.5 | 3.4 | 2.6 | 2.5 | . 4 | . 4 | 3.2 | 3.2 | 1.6 | 1.7 | . 6 | 6 |
| 361 | Electric distributing equipment | 3.0 | 3.2 | 2.1 | 2.3 | . 3 | . 3 | 3.0 | 3.3 | 1.4 | 1.6 | . 3 | . 4 |
| 3612 | Transformers | 3.1 | 3. 1 | 2.2 | 2. 1 | . 3 | . 2 | 3.0 | 3.2 | 1.5 | 1.4 | . 3 | . 4 |
|  | Switchgear and swichboard apparatus | 2.9 | 3.2 | 2.0 | 2.5 | . 4 | . 3 | 2.9 | 3.3 | 1.4 | 1.7 | . 3 | . 4 |
| 362 | Electrical industrial apparatus ........ | 2. 7 | 2.9 | 1.9 | 2.0 | . 3 | . 4 | 2.5 | 2.9 | 1.2 | 1.4 | . 4 | .6 |
| 3621 | Motors and generators | 2.5 | 3.0 | 1.8 | 1.9 | . 3 | . 6 | 2.5 | 3.1 | 1.2 | 1.3 | . 4 | . 9 |
| 3622 | Industrial controts | 2. 9 | 2. 7 | 1.9 | 2.0 | . 4 | . 3 | 2.6 | 2.7 | 1.1 | 1.3 | . 4 | . 4 |
| 363 | Household appliances | 4.5 | 4.2 | 2.8 | 2.3 | . 9 | 1.1 | 4.7 | 4.2 | 1.9 | 1.8 | 1.5 | 1. 1 |
| 3632 | Household refrigerators and freezers | 5.0 | 5.1 | 2.4 | 1.8 | 1.4 | 1.8 | 5.6 | 5.3 | 1.4 | 1.5 | 2.4 | 1.8 |
| 3633 | Household laundry equipment | 2. 2 | 2.8 | 1.3 | 1.2 | . 5 | 1.0 | 2.6 | 1.9 | . 7 | . 7 | 1.2 | . 3 |
| 3634 | Electric housewares and fans. | 5.9 | 4.6 | 4.4 | 3.4 | 1.0 | 1.0 | 5. 7 | 4.9 | 3.3 | 2.9 | 1.4 | 1. 1 |
| 364 | Electric lighting and wiring equipment | 3.9 | 3.6 | 2.9 | 2.7 | . 5 | . 5 | 3.4 | 3.6 | 1.8 | 1.8 | . 7 | . .9 |
| 3641 | Electric lamps ..... | 2.2 | 2. 1 | 1. 3 | 1. 3 | . 3 | . 2 | 2. 1 | 2. 1 | . 7 | . 8 | . 4 | . 4 |
| 3643 | Current-carrying wiring devices | 3.5 | 3.4 | 2.7 | 2. 7 | . 5 | . 4 | 3. 1 | 3.1 | 1.6 | 1.7 | .7 | . 6 |
| 365 | Redio and TV receiving equipment | 5.3 | 4.0 | 3.0 | 2. 0 | 1.0 | 1.0 | 5.8 | 4.7 | 2.0 | 1.5 | 1.8 | 1.6 |
| 3651 | Radio and TV receiving sets | 5. 1 | 3. 7 | 2.9 | 1.8 | . 8 | . 8 | 6.0 | 4.5 | 1.9 | 1.4 | 1.9 | 1.4 |
| 366 | Communication equipment . .... | 2. 3 | 2. 3 | 1.7 | 1.9 | . 2 | . 2 | 1.8 | 1.9 | . .9 | 1.1 | . 2 | . .2 |
| 3661 | Telephone and telegraph apparatus .... | 1.4 | 1. 7 | 1.1 | 1.4 | . 2 | . 2 | 1.5 | 1.2 | .6 | . 6 | . 2 | . 1 |
| 3662 | Radio and TV communication equipment | 2. 7 | 2. 5 | 2. 0 | 2.1 | . 2 | -1 | 2.0 | 2.3 | 1.1 | 1.3 | . 2 | . 3 |
| 367 | Electronic components and accessories | 4.4 | 4.4 | 3.6 | 3.8 | . 4 | - 3 | 3.7 | 3.8 | 2.3 | 2. 5 | . 4 | . 3 |
| $3671-3$ 3674 | Electronic tubes .............. | 2.9 | 2.5 | 1.8 | 1.7 | . 4 | . 3 | 2.6 | 2.3 | 1.0 | 1.0 | . 4 | . 4 |
| 3674 | Semiconductors and related devices | 3.2 | 3.4 | 2. 7 | 3.0 | . 3 | . 2 | 2.5 | 2.7 | 1.3 | 1.6 | . 3 | . 2 |
| 3679 | Electronic components, nec. | 5.3 | 5.2 | 4.5 | 4.6 | . 4 | . 4 | 4.5 | 4.6 | 3.0 | 3. 2 | . 5 | . 4 |
| 369 | Misc. electrical equipment and supplies | 3.3 | 2.8 | 2.5 | 1.9 | . 4 | . 6 | 3. 0 | 3.5 | 1.5 | 1.4 | . 6 | 1.2 |
| 3694 | Engine eloctrical equipment . | 3.0 | 2.3 | 2.2 | 1.3 | . 4 | . 7 | 2.7 | 3.5 | 1.4 | 1.0 | . 5 | 1.8 |
| 37 | TRANSPORTATION EQUIPMENT | 3.6 | 3.4 | 2.2 | 2.0 | -9 | . 9 | 3.0 | 3.5 | 1.2 | 1. 1 | 1.0 | 1.6 |
| 371 | Motor vehicles and equipment . | 3.2 | 3. 0 | 1.8 | 1.4 | . 9 | 1.0 | 2. 7 | 3.9 | . 9 | . 9 | 1.9 | 2. 1 |
| 3711 | Motor vehicles and car bodies | 3.3 | 3.1 | 1.5 | 1.3 | 1.1 | 1.2 | 2.8 | 3.6 | . 8 | . 7 | 1.2 | 2. 0 |
| 3713 | Truck and bus bodies ...... | 3. 7 | 3.9 | 3.0 | 2. 7 | . 5 | 1.0 | 3.3 | 4.4 | 1.8 | 1.8 | . 7 | 1.6 |
| 3714 3715 | Motor vehicle parts and accessories | 2.8 | 2. 6 | 1.7 5.3 | 1. 1 | . 6 | . 9 | 2.3 | 4.1 | . 8 | . 8 | . 7 | 2.4 |
| 3715 | Truck trailers ................. | 5.9 | 4.7 | 5.3 | 4.0 | . 4 | . 5 | 5,1 | 5.2 | 2.9 | 2.3 | .7 | 1. 3 |
| 372 | Aircraft and parts | 2.6 | 2. 7 | 2. 0 | 2.2 | . 3 | . 2 | 1.5 | 1.7 | . 8 | 1.0 | . 2 | . 2 |
| 3721 3724 | Aircraft ................. | 2.5 2.0 | 2. 3 | 1.8 1.6 | 1.9 | . 4 | . 2 | 1.3 | 1.4 | . 7 | . 8 | . 1 | . 2 |
| 3724 3728 | Aircratt engines and engine parts | 2. 0 | 2.2 | 1.6 | 1.7 | . 1 | . 1 | 1.2 | 1.3 | . 5 | . 6 | . 1 | . 1 |
| 3728 | Aircratt equipment, nec. . . . . . . | 3.5 | 4.2 | 3.0 | 3.8 | . 3 | . 2 | 2.5 | 2.9 | 1.5 | 1. 8 | .2 | .2 |
| 373 | Ship and boat building and rapairing | 6.7 | 6.6 | 3.8 | 4. 0 | 2. 7 | 2.5 | 6.8 | 6, 5 | 2.6 | 2. 3 | 3.0 | 2.9 |
| 3731 3732 | Ship building and repairing | 6.8 | 6. 9 | 3.2 | 3.8 | 3.4 | 2.9 | 7.1 | 6.4 | 2.2 | 2.0 | 3.7 | 3.1 |
| 3732 | Boat building and repairing | 6. 5 | 5.7 | 5.7 | 4.5 | . 6 | 1.1 | 5.7 | 6.8 | 3.8 | 3.2 | . 8 | 2. 3 |
| 374 | Railroed equipment ............. | 3.9 | 3. 5 | 1.9 | 1.6 | 1.4 | 1.2 | 3.0 | 3.1 | . 8. | . 7 | 1.0 | 1. 0 |
| 376 3761 | Guided missiles, space vehicles, parts ... Guided missiles and spece vethicles . | 1.8 | 2. 4 | 1. 0 | 1.7 | . 4 | . 3 | 1.5 | 1.5 | . 5 | . 7 | . 6 | . 3 |
| 3761 | Guided missiles and spece vehicles ... | 1.8 | 2. 3 | 1. 0 | 1. 7 | . 4 | . 3 | 1. 5 | 1.3 | . 5 | . 7 | . 6 | . 3 |
| 379 | Miscellaneous transportation equipment | 7.8 | 6.4 | 6.7 | 4.2 | . 9 | 1.9 | 7.6 | 9.4 | 4.6 | 3.7 | 1.8 | 4. 4 |
| 38 | INSTRUMENTS AND RELATED PRODUCTS | 2. 8 | 2.9 | 2. 4 | 2.4 | . 2 | . 2 | 2.5 | 2.6 | 1.5 | 1.6 | . 3 | . 4 |
| 389 | Engineering and scientific instruments. | 2. 6 | 2.8 | 2. 3 | 2.6 | . 1 | . 1 | 2. 0 | 2.0 | 1.3 | 1.4 | . 2 | : 1 |
| 382 | Measuring and controlling devices | 3.0 | 3. 1 | 2.5 | 2.4 | . 2 | . 2 | 2.4 | 2. 5 | 1.4 | 1.4 | . 2 | . 3 |
| 3822 3823 | Environmental controls ..... Process control instruments . | 3.0 2.8 | 3. 1 | 2. 2 | 2. 2 | . 4 | . 4 | 2.6 | 2. 7 | 1.3 | 1.3 | . 4 | .6 |
| 3823 3825 | Process control instruments ..... | 2.8 | 2. 7 | 2. 4 | 2. 3 | . 1 | . 3 | 2.4 | 2.4 | 1.4 | 1.4 | . 2 | . 3 |
| 3825 | Instruments to measure electripity ... | 3.2 | 3.2 | 2. 7 | 2.5 | . 1 | . 1 | 2. 3 | 2.2 | 1.6 | 1.5 | .1 | . 1 |

[^17]D-2. Labor tumover rates, by industry-Continued

| $\begin{aligned} & 1972 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Industry | Accosation ratus |  |  |  |  |  | Soparation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total |  | Now hires |  | Recalls |  | Total |  | Oulta |  | Layoth |  |
|  |  | Dec. $1979$ | ${ }_{1980} \text { Jan. } \mathrm{p}$ | Dec. <br> 1979 | $\operatorname{Jan}_{1980^{\prime}} \mathrm{p}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \end{aligned}$ | ${ }_{1980}{ }^{\text {Jan. }} \mathrm{p}$ | Dec. $1979$ | Jan. $1980^{\mathrm{P}}$ | Dec. 1979 | ${ }_{1980^{\text {Jan }}} \text { p }$ | Dec. 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980^{\circ} \end{aligned}$ |
| 383 | INSTRUMENTS AND RELATED PRODUCTS-Cont'd Optical instruments and lenses . . . . . . . . . . . . ${ }^{\text {a }}$. | 2.8 | - | 2.3 | - | 0.2 | - | 1.6 | - | 1.1 | - | 0.1 | - |
| 384 | Medical instruments and supplies . | 2.4 | - | 2.1 | - | . 1 | - | 2.4 | - | 1.3 | - | . 3 | - |
| 3841 | Surgical and medical instruments | 3.1 | - | 2.8 | - | . 1 | - | 2.8 | - | 1.7 | - | . 3 | - |
| 3842 | Surgical appliances and supplies. | 2.0 | - | 1.7 | - | . 2 | - | 2. 1 | - | 1.2 | - | . 3 | - |
| 385 | Ophthatmic goods ......................... . | 2.3 | - | 1.6 | - | . 3 | - | 3.0 | - | 1.2 | - | 1.2 | - |
| 386 | Photographic equipment and supplies ........... | . 8 | - | . 6 | - | ( ${ }^{1}$ ) | - | 1.4 | - | . 3 | - | . 7 | - |
| 387 | Watches, clocks, and watchcases .............. | 1.5 | - | . 8 | - | . 5 | - | 5.9 | - | 1.2 | - | 3.4 | . |
| 39 | miscellaneous manufacturing INDUSTRIES | 2.2 | 5.4 | 1.7 | 3.1 | . 5 | 2.0 | 6.5 | 6.3 | 1. 4 | 2. 1 | 4.4 | 3.3 |
| 391 | Jewelry, silverware, and plated ware. | 1.9 | - | 1.5 | - | . 3 | - | 4.9 | - | 1.4 |  | 2.8 | $-$ |
| 393 | Musical instruments . . . . . . . . . . . . . . . . . . . . . . . | 2.6 | - | 1.3 | - | 1.1 | - | 2.6 | - | 1.2 | - | . 5 | - |
| 394 | Toys and sporting goods. | 2.6 | - | 1.9 | - | . 5 | - | 12.7 | - | 1.8 | - | 9.9 | - |
| 3942,4 | Dolls, games, toys, and children's vehicles ....... | 2.3 | - | 1.8 | - | . 4 | - | 21.6 | - | 2.0 | - | 18.5 | - |
| 3949 | Sporting and athletic goods, nec ............. | 2.8 | - | 2.0 | - | . 5 | - | 4.5 | - | 1.5 | - | 1.9 | - |
| 395 | Pens, pencils, office and art supplies | 2.0 | - | 1.5 | - | . 2 | - | 2.4 | - | 1.2 | - | . 6 | - |
| 396 | Costume jewelry and notions... | 2.4 | - | 1.7 | - | . 6 | - | 8.1 | - | 1.5 | - | 6.1 | - |
| 399 |  | 2.1 |  | 1.6 |  | . 4 |  | 3.5 | - | 1.0 | - | 1.9 |  |
|  | NONDURABLE GOODS |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | FOOD AND KINDRED PRODUCTS | 3.4 | 4.8 | 2.3 | 2.9 | 1.0 | 1.6 | 6.1 | 6.0 | 2.0 | 2.4 | 3.4 | 2.6 |
| 201 | Meat products ...... | 4.4 | - | 3.0 | - | 1.0 | - | 5.9 | - | 2.8 |  | 2.2 |  |
| 2011 | Meat packing plants | 4. 1 | - | 2.1 | - | 1.5 | - | 4.4 | - | 1.5 | - | 2.0 | - |
| 2013 | Sausages and other prepared meats | 2.2 | - | 1.1 | - | 1.0 | - | 4. 4 | - | +.9 | - | 2.8 | - |
| 2016 | Poultry dressing plants | 6.0 | - | 5.3 | - | . 3 | - | 8.5 | - | 5.8 |  | 1.8 | - |
| 202 | Dairy products ............................ | 2.2 | - | 1.6 | - | . 5 | - | 2.9 | - | 1.5 | - | . 8 | - |
| 203 | Preserved fruits and vegetables | 6.1 | - | 3.9 | - | 2.0 | - | 17. 5 | - | 2.7 | - | 13.8 | - |
| 204 | Grain mill products | 2.5 | - | 1.8 | - | . 6 | - | 3.2 | - | 1.5 |  | 1.1 | - |
| 205 | Bakery products... | 1.8 | - | 1.2 | - | . 6 | - | 2.5 | - | 1.2 | - | . 8 | - |
| 2051 | Bread, cake, and related products | 1.6 | - | 1.3 | - | . 2 | - | 2.4 | - | 1.3 | - | . 6 | - |
| 2052 | Cookies and crackers ......... | 3.1 | - | . 8 | - | 2.2 | - | 2.8 | - | . 7 | - | 1.4 | - |
| 206 | Sugar and confectionery products | 3.2 | - | 1.6 | - | 1.6 | - | 6.6 | - | 1.4 | - | 4.4 | - |
| 207 | Fits and oils .............. | 3.0 | - | 2.5 | - | . 4 | - | 4.2 | - | 1.9 | - | 1.5 | - |
| 208 | Beverages .... | 2. 8. | - | 1.8 | - | . 9 | - | 3.9 | - | 1.4 | - | 1.9 | - |
| 2082 | Malt beverages .... | 3.6 | - | 1.2 | - | 2.2 | - | 3. 1 | - | . 2 | - | 2.4 | - |
| 2086 | Bottled and canned soft drinks | 2.5 | - | 2.1 | - | . 3 | - | 3.2 | - | 2.0 | - | . 4 | - |
| 209 | Misc. foods and kindred products | 3.4 | - | 2.7 | - | .6 | - | 6.4 | - | 2.3 | - | 2.8 | - |
| 21 | TOBACCO MANUFACTURES | 4.2 | - | 1.2 | - | 2.6 | - | 3.0 | - | . 5 | - | 1.9 | - |
| 211 | Cigarettes . . . . . . . . . . . . | 1.0 | - | . 4 | - | . 1 | - | . 7 | - | . 1 | - | .1 | - |
| 22 | TEXTILE MILL PRODUCTS | 2.4 | 4.7 | 1.8 | 3.6 | . 3 | . 8 | 3.4 | 4.6 | 1.6 | 2.6 | 1.1 | -9 |
| 221 | Weaving mills, cotton ... | 2.2 |  | 1.7 | . | . 1 |  | 2. 4 |  | 1.5 |  | . 1 |  |
| 222 | Weaving mills, synthetics ...... | 2.1 | - | 1.8 | - | . 1 | - | 2.5 | - | 1.5 | - | . 3 | - |
| 223 | Weaving and finishing mills, wool | 3.1 | - | 2.7 | - | . 3 | - | 4.9 | - | 1.9 | - | 2.3 | - |
| 224 | Narrow fabric mills ........... | 3.3 | - | 2.1 | - | 1.0 | - | 3.4 | - | 1.7 |  | 1.0 | - |
| 225 | Knitting mills ............. | 2.5 | - | 1.8 |  | . 5 |  | 4.1 | - | 1.7 | - | 1.8 | - |
| 2251 | Women's hosiery, except socks | 2.6 | - | 2.3 | - | . 2 | - | 5.7 | - | 2.2 | - | 2.8 | - |
| 2252 | Hosiery, nec .............. | 1.8 | - | 1.6 | - | . 2 | - | 3.6 | - | 2.2 | - | 1.2 | - |
| 2253 | Knit outerwear mills | 2.6 | - | 1.9 | - | . 6 |  | 4. 7 | - | 1.6 | - | 2.4 | - |
| 2254 | Knit underwear mills ... | 1.7 | - | 1.3 | - | . 1 | - | 2.2 | - | 1.5 | - | . 2 | - |
| 2257 | Circular knit fabric mills. | 3.1 | - | 2.3 | - | .6 | - | 2.5 | - | 1. 3 | - | . 5 | - |
| 226 | Textile finishing. except wool. | 2.5 | - | 1.9 | - | . 4 | - | 2.9 | - | 1.2 | - | 1. 0 | - |
| 227 | Floor covering mills. | 1.6 | - | 1.2 | - | . 3 | - | 2.6 | - | 1.4 | - | . 6 | - |
| 228 | Yarn and thread mills | 2.7 | - | 2.2 | - | . 3 | - | 4.1 | - | 2.1 | - | 1.2 | - |
| 229 | Miscellaneous textile goods | 2.3 | - | 1.5 | - | . 5 | - | 4.0 | - | 1.2 | - | 2.1 | - |
| 23 | APPAREL AND OTHER TEXTILE PRODUCTS. | 3.1 | 6.9 | 1.9 | 4. 0 | 1.1 | 2.7 | 5.4 | 5.9 | 1.8 | 3.0 | 3.0 | 2.2 |
| 231 | Men's and boys' suits and coats | 2.4 | - | 1.0 | - | 1.2 | - | 2.6 | - | . 8 | - | 1.4 |  |
| 232 | Men's and boys' furnishings . . . . . . . . . . . . . . . . . . | 2.8 | - | 1.9 | - | . 7 | - | 4. 0 | - | 2.1 | - | 1.5 | - |
| 2321 | Men's and boys' shirts and nightwear . . . . . . . . . . | 2. 0 | - | 1.4 | - | . 4 | - | 3.3 | - | 1.8 | - | 1.1 | - |
| 2327 | Men's and boys' separate trousers ............ | 2. 0 | - | 1.6 | - | . 3 | - | 2.3 | - | 1.7 | - | . 2 | - |
| 2328 | Men's and boys' work clothing . . . . . . . . . . . . . | 3. 5 | - | 2.8 | - | . 6 | - | 4.2 | - | 2.9 | - | . 9 | - |
| 233 | Women's and misses' outerwear ................. | 3.7 | - | 1.8 | - | 1.7 | - | 6.5 | - | 1.7 | - | 4.1 | - |
| 234 | Women's and children's undergarments .......... | 1.9 | - | 1.3 | - | .4 | - | 4.9 | - | 1.7 | - | 2.8 | - |
| 2341 | Women's and children's underwear ............ | 1.9 | - | 1.2 | - | . 5 | - | 5.1 | - | 1.8 | - | 2.8 | _ |
| 2342 | Brassieres and allied garments ............... | 2. 0 | - | 1.6 | - | . 3 | - | 4.1 | - | 1.3 | - | 2.4 | - |
| 236 | Children's outerwear ......................... | 3. 7 | - | 2.5 | - | 1.2 | - | 6.6 | - | 1.8 | - | 4.1 | - |
| 238 | Misc. apparel and accessories .................. | 2. 4 | - | 1.6 | - | . 7 | - | 7.9 | - | 1.8 | - | 5.3 | - |
| 239 | Misc. fabricated textile products ............... | 3.3 | - | 2.3 | - | . 9 | - | 6.1 | - | 1.9 | - | 3.5 | - |
| 26 | PAPER AND ALLIED PRODUCTS . . . . . . . . . . . . | 1.7 | 2.7 | 1.0 | 1.5 | . 5 | 1.0 | 2.6 | 2.8 | . 7 | 1.0 | 1.3 | 1.0 |
| 281,2,6 | Paper and pulp mills ........................ | $1.2$ |  | . 6 | - | . 3 |  | 1.6 |  | . 3 |  | . 9 | - |
| 262 | Paper mills, except building paper . . . . . . . . . . . . | 1.1 | - | . 6 | - | . 4 | - | 1.7 | - | . 3 | - | . 9 | - |

[^18]D-2. Labor turnover rates, by industry - Continued

| 1972 <br> SIC <br> Code | Indurity | Accossion rater |  |  |  |  |  | Soparation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Totel |  | Now hires |  | Recals |  | Total |  | Oult |  | Leyofts |  |
|  |  | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 | 1978 | 1979 |
|  | INSTRUMENTS AND RELATED PRODUCTS--Cont'd |  |  |  |  |  |  |  |  |  |  |  |  |
| 383 | Optical instruments and lenses . . . . . . . . | 2.9 | 3. 0 | 2.6 | 2.7 | 0. 1 | 0. 1 | 2.2 | 2.3 | 1.6 | 1.6 | 0. 1 | 0.1 |
| 384 | Medical instruments and supplies | 3.4 | 3.4 | 2.9 | 3.0 | . 3 | . 3 | 2.8 | 3.2 | 1.8 | 2.0 | . 3 | . 4 |
| 3841 | Surgical and medical instruments | 3.9 | 4. 1 | 3. 4 | 3.7 | . 2 | . 2 | 3.1 | 3.5 | 2.0 | 2.5 | . 3 | . 2 |
| 3842 | Surgical appliances and supplies. | 3.0 | 2.9 | 2. 5 | 2.4 | . 3 | . 4 | 2.6 | 2.9 | 1.6 | 1.7 | . 3 | . 5 |
| 385 | Ophthalmic goods .......... | 3.4 | 4. 1 | 2.9 | 3. 0 | . 4 | (i) ${ }^{5}$ | 3.9 | 4.0 | 2.2 | 2.3 | . 9 | . 9 |
| 386 | Photographic equipment and supplies | 1.5 | 1.7 | 1.3 | 1. 5 | . 1 | ( ${ }^{1}$ | 1.6 | 1.6 | . 9 | . 9 | . 2 | . 2 |
| 387 | Watches, clocks, and watchcases . | 4.6 | 3.4 | 3. 5 | 2.4 | . 7 | . 7 | 4.6 | 4.9 | 2.3 | 2.0 | . 9 | 1.7 |
| 39 | MISCELLANEOUS MANUFACTURING INDUSTRIES | 5.8 | 5.4 | 4.5 | 4.2 | 1.1 | 1.1 | 5.9 | 5.8 | 3.0 | 2.8 | 1.7 | 1.8 |
| 391 | Jewelry, silverware, and plated ware | 5.0 | 4.0 | 4.1 | 3.0 | . 8 | . 9 | 5.3 | 4.8 | 2.9 | 2.3 | 1.5 | 1.7 |
| 393 | Musical instruments . . . . . . . . . . . | 4.4 | 3.9 | 3. 7 | 2.9 | . 5 | . 7 | 4.3 | 4.5 | 2.7 | 2.6 | . 6 | 1.0 |
| 394 | Toys and sporting goods. | 8.0 | 8.2 | 5.7 | 6.1 | 1.9 | 1.8 | 8.4 | 8.2 | 3.6 | 3.7 | 3.0 | 2.7 |
| 3942,4 | Dolls, games, toys, and children's vehicles | 10.9 | 11.1 | 7.7 | 8.1 | 2.7 | 2.7 | 11.3 | 11.0 | 4.6 | 4.9 | 4.4 | 3.8 |
| 3949 | Sporting and athletic goods, nec | 5.2 | 5.4 | 3. 7 | 4.2 | 1.0 | . 9 | 5.6 | 5.4 | 2.6 | 2.6 | 1.7 | 1.5 |
| 395 | Pens, pencils, office and art supplies | 3.7 | 3.5 | 3.3 | 2.9 | . 3 | . 4 | 3.6 | 3.7 | 2.1 | 2.0 | . 5 | . 7 |
| 396 | Costume jewelry and notions | 6.6 | 6.2 | 5.4 | 4.7 | 1.1 | 1.3 | 6.5 | 7.4 | 3.7 | 3.7 | 1.8 | 2.6 |
| 389 | Miscellaneous manufactures . . . . . . . . . . . . . . . . . . | 4.8 | 4. 2 | 3.9 | 3.4 | . 8 | . 7 | 4.6 | 4.4 | 2.4 | 2.3 | 1.2 | 1.2 |
|  | NONDURABLE GOODS |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | FOOD AND KINDRED PRODUCTS | 6.7 | 6.6 | 4. 7 | 4.7 | 1.8 | 1.7 | 6.6 | 6.5 | 3.3 | 3.3 | 2.4 | 2.3 |
| 201 | Meat products | 6.9 | 7.3 | 5.1 | 5.7 | 1.3 | 1.2 | 7.0 | 7.3 | 4.4 | 4.9 | 1.7 | 1.4 |
| 2011 | Meat packing plants | 4.4 | 4.8 | 2.5 | 3.1 | 1.4 | 1.4 | 4.7 | 4.9 | 1.9 | 2.1 | 2.0 | 1.8 |
| 2013 | Sausages and other prepared meats | 4.6 | 4.4 | 3.0 | 2.9 | 1.4 | 1.3 | 4.8 | 4.8 | 2.2 | 2.1 | 1.8 | 1.8 |
| 2016 | Poultry dressing plants | 12.7 | 12.5 | 10.7 | 10.9 | 1.3 | . 9 | 12.4 | 12.0 | 9.9 | 10.3 | 1.2 | . 6 |
| 202 | Dsiry products | 3.7 | 3.7 | 3.0 | 2.9 | . 5 | . 6 | 3.7 | 3.7 | 2.3 | 2.3 | . 7 | . 7 |
| 203 | Preserved fruits and vegetables | 14.7 | 14.2 | 9.3 | 9.1 | 5.3 | 5.0 | 14.0 | 13.9 | 5.6 | 5.4 | 7.2 | 7.3 |
| 204 | Grain mill products | 4.0 | 4.0 | 3.1 | 2.9 | . 8 | . 9 | 4.0 | 4.0 | 2.2 | 2.1 | 1. 1 | 1. 1 |
| 205 | Bakery products. | 3. 2 | 3.4 | 2.7 | 2.8 | . 4 | . 5 | 3.1 | 3.4 | 2.0 | 2.1 | . 6 | . 7 |
| 2051 | Bread, cake, and related products | 3.1 | 3.4 | 2.8 | 2.9 | . 2 | . 3 | 3.0 | 3.3 | 2.1 | 2.1 | . 4 | . 5 |
| 2052 | Cookies and crackers | 3.4 | 3.7 | 2. 1 | 2.3 | 1.2 | 1.2 | 3.6 | 3.9 | 1.5 | 1.7 | 1.5 | 1. 5 |
| 206 | Sugar and confectionery products | 6.9 | 6.2 | 3.5 | 3.3 | 3.1 | 2.6 | 6.7 | 6.2 | 2.4 | 2.1 | 3.5 | 3.3 |
| 207 | Fats and oils | 3.6 | 4.0 | 2.9 | 3. 1 | . 6 | . 8 | 3.6 | 4.0 | 1.9 | 2.0 | . 9 | 1.2 |
| 208 | Beverages | 4.8 | 4.8 | 3.6 | 3.4 | 1.1 | 1.2 | 4. 7 | 4.7 | 2.4 | 2.3 | 1.5 | 1.5 |
| 2082 | Malt beverages .... | 3.7 | 4.6 | 1.5 | 1.6 | 2.0 | 2.7 | 4.0 | 4.3 | . 3.6 | . 6 | 2. 7 | 2.9 |
| 2086 | Bottled and canned soft drinks | 5.3 | 4.9 | 4.8 | 4. 4 | . 3 | . 4 | 4.9 | 4.8 | 3.5 | 3.2 | . 5 | . 6 |
| 209 | Misc. foods and kindred products | 7. 7 | 7.4 | 5.5 | 5.2 | 2.0 | 1.9 | 7.9 | 7.3 | 3.8 | 3.6 | 3.2 | 2.6 |
| 21 | TOBACCO MANUFACTURES ..................... | 3.7 | 3.7 | 1.8 | 1. 5 | 1. 3 | 1.5 | 3.8 | 3.8 | 1.0 | . 9 | 1.9 | 2.1 |
| 211 | Cigarettes . . . . . | 1.5 | 1.6 | . 6 | . 6 | . 2 | . 3 | 1.2 | 1.4 | . 4 | . 4 | ( ${ }^{1}$ | . 2 |
|  | TEXTILE MILL PRODUCTS | 4.7 | 4.6 | 3.8 | 3.6 | . 6 | . 6 | 4.7 | 4.8 | 3.1 | 3.0 | . 7 | . 7 |
| 221 | Wesving mills, cotton ... | 3. 7 | 4.3 | 2.8 | 3.4 | . 2 | . 2 | 3. 9 | 4.1 | 2. 7 | 2. 7 | . 3 | . 2 |
| 222 | Weaving mills, synthetics. | 4.3 | 4.1 | 3.5 | 3.5 | . 4 | - 3 | 4.3 | 4.3 | 3, 0 | 2.9 | . 4 | . 3 |
| 223 | Weaving and finishing mills, wool | 5.1 | 5. 1 | 4.2 | 4.2 | . 5 | . 7 | 4.8 | 5.6 | 3.3 | 3.4 | . 6 | 1. 1 |
| 224 | Narrow fabric mills .......... | 4.7 | 4.9 | 4.0 | 3.6 | . 6 | 1.1 | 4.5 | 5.0 | 3.0 | 2.8 | .7 | 1.4 |
| 225 | Knitting mills ............... | 5.3 | 4.9 | 4.3 | 3.7 | . 8 | . 9 | 5.5 | 5.1 | 3.5 | 3.1 | 1.1 | 1. 1 |
| 2251 | Women's hosiery, except socks | 5.7 | 5.4 | 4.9 | 4. 8 | . 5 | . 4 | 5.1 | 5.4 | 3.8 | 3.9 | . 4 | . 6 |
| 2252 | Hosiery, nee | 5.1 | 4.9 | 4.6 | 4. 4 | . 4 | . 4 | 5.0 | 5.1 | 3.9 | 3.9 | . 4 | + 5 |
| 2253 | Knit outerwear mills | 5.6 | 5.4 | 4.3 | 3.7 | 1.0 | 1. 3 | 6.0 | 5. 4 | 3.5 | 3.1 | 1.6 | 1. 5 |
| 2254 | Knit underwear mills | 5.1 | 3.5 | 4, 4 | 2.9 | . 5 | . 5 | 4.8 | 3.8 | 3.7 | 2.9 | . 4 | . 4 |
| 2257 | Circular knit fabric mills. | 5.1 | 5.3 | 3.8 | 3.7 | 1.0 | 1. 1 | 5.7 | 5.5 | 3.0 | 2.8 | 1. 3 | 1.2 |
| 226 | Textile finishing, excep+ wool | 3.6 | 3.9 | 2. 7 | 2.9 | . 6 | . 7 | 3.7 | 4.2 | 2.1 | 2.2 | . 7 | 1.0 |
| 227 | Floor covering mills | 4.3 | 4.2 | 3.6 | 3.5 | . 5 | . 5 | 4.0 | 4.4 | 2.6 | 2.8 | . 4 | . 6 |
| 228. | Yarn and thread mills | 5.9 | 5.8 | 5.0 | 4.7 | . 6 | .7 | 6.0 | 6.0 | 4.3 | 4.2 | . 5 | . 6 |
| $229^{\circ}$ | Miscellaneous textile goods | 3.9 | 3.8 | 3.0 | 2.9 | . 6 | . 6 | 4.1 | 4.2 | 2.2 | 2.0 | . 9 | 1.1 |
|  | APPAREL AND OTHER TEXTILE PRODUCTS . . . . . | 5.6 | 5.5 | 3.9 | 3.7 | 1.4 | 1.5 | 5.8 | 6.0 | 1.3 | 3.2 | 1.6 | 2.0 |
| 231 |  | 3. 5 | 3.9 | 1.9 | 1.8 | 1.3 | 1.5 | 4.1 | 4.7 | 1.6 | 1. 7 | 1. 8 | 2.4 |
| 232 | Men's and boys' suits and coats . . . . . . . . . . . . . . | 5. 3 | 5.5 | 4.1 | 4.3 | . 9 | 1.0 | 5.6 | 5.8 | 3.9 | 4.0 | 1.0 | 1. 1 |
| 2321 | Men's and boys' shirts and nightwear . . . . . . . . . . | 5.1 | 5.1 | 3.9 | 3.9 | - 9 | . 9 | 5.1 | 5.3 | 3.6 | 3.7 | . 8 | . 8 |
| 2327 | Men's and boys' separate trousers ............ | 4. 7 | 4.8 | 3.6 | 4, 1 | . 9 | .6 | 5.1 | 4.9 | 3.7 | 3.8 | . 9 | . 6 |
| 2328 | Men's and boys' work clothing ................ | 5. 5 | 6.3 | 4.7 | 5.5 | .6 .0 | .7 2 | 6.2 | 6.4 | 4.8 3 | 5. 0 | .6 2 | 8.7 |
| 233 | Women's and misses' outerwear ................ | 5.9 5.5 |  | 3.6 4.3 | 3.2 3.8 | 2.0 | 2.2 1.1 | 6.0 5.8 | 6.2 5.6 | 2.9 3.8 | 2.7 3.3 | 2.3 1.1 | 2.7 1.5 |
| 234 | Women's and children's undergarments .......... | 5.5 5.8 | 5.1 5.2 | 4.3 4.6 | 3.8 3.8 | .9 1.0 | 1.1 1.2 | 5.8 6.1 | 5.6 5.7 | 3.8 4.1 | 3.3 3.6 | 1.1 1.1 | 1.5 1.4 |
| 2341 2342 | Women's and children's underwear . . . . . . . . . . . Brassieres and allied garments . . . . . . . . . . | 5.8 4.2 | 5.2 4.9 | 4.6 3.2 | 3.8 3.5 | 1.0 .8 | 1.2 | 6.1 | 5.7 5.4 | 4.1 2.4 | 3.6 2.2 | 1.14 | 1.4 2.2 |
| 2342 236 | Brassieres and allied garments . . . . . . . . . . . . . . . . Children's outerwear ............... . . | 4.2 5.6 | 5.0 | 4.1 | 3.6 | 1.3 | 1. 3 | 5.9 | 5.8 | 3. 5 | 3.1 | 1.5 | 2.0 |
| 238 | Children's outerwear . . . . . . . . . . . . . . . . . . . . | 6. 0 | 6.0 | 4.0 | 4.1 | 1.7 | 1.6 | 5.9 | 6.3 | 3. 3 | 3.4 | 1.8 | 2.0 |
| 239 | Misc. fabricated textile products .............. | 6.4 | 6.0 | 5.0 | 4.5 | 1.0 | 1.3 | 6.2 | 6.5 | 3.5 | 3. 3 | 1.3 | 2.1 |
| 26 |  | 2. 9 | 2.8 | 2.2 |  |  |  |  | 2.9 | 1.4 | 1.4 | . 6 |  |
| 261,2, 8 | Paper and pulp mills | 1.6 | 1.7 | 1.2 | 1.2 | - 3 | -3 | 1.6 | 1.5 | . 8 | .4 .7 | . 4 | . 4 |
| 282 | Paper mills, except building paper . . . . . . . . . . . . . | 1.6 | 1.6 | 1.1 | 1.2 | . 3 | . 3 | 1.5 | 1.5 | . 7 | . 6 | . 4 | . 4 |

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

| $\begin{gathered} 1972 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Industry | Acesesion rates |  |  |  |  |  | Seperation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Totel |  | Now hires |  | Recalls |  | Total |  | Ouits |  | Layoff: |  |
|  |  | Dec. 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980^{\circ} \end{aligned}$ | Dec. <br> 1979 | Jan. $1980^{\mathrm{P}}$ | Dec. 1979 | ${ }_{1980}^{\text {Jan. }} \mathrm{P}$ | Dec. 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980 \end{aligned}$ | Dec. 1979 | $\begin{aligned} & \text { Jan. } \\ & 1980^{\mathrm{P}} \end{aligned}$ | Dec. 1979 | ${ }_{1980}{ }^{\text {Jan. }}$ |
| 263 | PAPER AND ALLIED PRODUCTS-Contimued <br> Paperboard mills | 1.1 | - | 0.6 | - | 0.4 | - | 1. 2 | - | 0.3 | - | 0.4 | - |
| 264 | Misc. converted paper products | 2.2 | - | 1.4 | - | . 6 | - | 3.3 | - | . .9 | - | 1.7 | _ |
| 265 | Paperboard containers and boxes | 3.9 | - | 1.2 | - | . 5 | - | 3.2 | - | . 9 | - | 1.6 | - |
| 2651 | Folding paperboard boxes | 1.9 | - | 1.2 | - | . 6 | - | 3.4 | - | . 9 | - | 1.7 | - |
| 2653 | Corrugated and solid fiber boxes. | 1.7 | - | 1.2 | - | . 3 | - | 2.5 | - | . 9 | - | 1.0 | - |
| 27 | PRINTING AND PUBLISHING | 2. 7 | 3.4 | 2.1 | 2.8 | . 5 | 0.5 | 2.9 | 3.3 | 1.6 | 1.8 | . 7 | 0.8 |
| 271 | Newspapers | 2.9 | - | 2. 7 | - | . 1 | - | 3.0 | - | 2.3 | - | . 1 | - |
| 272 | Periodicals. | 2.1 | - | 1.9 | - | .2 | - | 2.0 | - | 1.5 | - | . 1 | - |
| 273 | Books . . | 4.0 | - | 2.0 | - | 1.7 | - | 2.6 | - | 1. 1 | - | . 9 | - |
| 274 | Miscellaneous publishing | 2.8 | - | 2.2 | - | . 4 | - | 2.8 | - | 1.7 | - | . 4 | - |
| 275 | Commercial printing . . . . . . . . . . . . . . . . . . . . | 2.3 | - | 1.7 | - | . 5 | - | 2.7 | - | 1.1 | - | 1.1 | - |
| 2751 | Commercial printing, letterpress | 2.3 | - | 1.7 | - | . 6 | - | 3.1 | - | 1.2 | - | 1.5 | - |
| . 752 | Commercial printing. lithographic | 2.2 | - | 1.7 | - | . 4 | - | 2.6 | - | 1.0 | - | . 9 | - |
| $2 \%$ | Blankbooks and bookbinding ...... | 2.9 | - | 2.3 | - | . 6 | - | 3.9 | - | 1.5 | - | 1.7 | - |
| 28 | CHEMICALS AND ALLIED PRODUCTS | 1. 1 | 1.6 | . 8 | 1.2 | .2 | . 3 | 1. 3 | 1. 7 | . 5 | . 7 | . 4 | -. 4 |
| 261 | Industrial inorganic chemicals | . 9 | - | . 7 | - | .2 | $-$ | 1.3 | - | . 4 | - | . 3 | - |
| 2815 | Industrial inorganic chemicals, nec . . . . . . . . . | 1.0 | - | - 7 | - | . 2 | - | 1.1 | - | . 4 | - | .2 | - |
| -82 | Plastics materials and synthetics .............. | . 9 | - | . 6 | - | . 1 | - | . 9 | - | . 3 | - | . 2 | - |
| 2821 | Plastics materials and resins | 1.2 | - | . 9 | - | ${ }^{1}$ | - | 1.1 | - | . 5 | - | $\mathrm{i}^{3}$ | - |
| 2824 | Organic fibers, noncellulosic | . 5 | - | . 4 | - | ( ${ }^{1}$ ) | - | . 6 | - | . 2 | - | ( ${ }^{1}$ ) | - |
| 283 | Drugs . . . . . . . . . . . . . . . | 1.0 | - | . 8 | - | .1 | - | . 9 | - | . 4 | - | .2 |  |
| 2834 | Pharmaceutical preparations | 1.1 | - | . 9 | - | .1 | - | . 9 | - | . 4 | - | . 2 | - |
| 284 | Soap, cleaners, and toilet goods | 1.6 | - | 1. 1 | - | .3 | - | 2.4 | - | . 7 | - | 1.2 | - |
| 2841 | Soap and other detergents .. | 1.4 | - | . 6 | - | . 5 | - | 1.7 | - | . 3 | - | 1.1 | - |
| 2844 | Toilet preparations ... | 1.8 | - | 1.4 | - | . 3 | - | 3.6 | - | 1.1 | - | 1.9 | - |
| 285 | Paints and allied products | 1.1 | - | . 9 | - | . 1 | - | 1.5 | - | .7 | - | . 3 |  |
| 288 | Industrial organic chemicals | . 8 | - | . 6 | - | .1 | - | . 9 | - | . 3 | - | . 1 |  |
| 287 | Agricultural chemicals | 2. 0 | - | 1.6 | - | .4 | - | 1.7 | - | . 9 | - | . 3 | - |
| 289 | Miscellaneous chemical products | 1.4 | - | 1. 1 | - | .2 | - | 1.8 | - | . 6 | - | . 6 | - |
| 29 | PETROLEUM AND COAL PRODUCTS ......... | 1.2 | 1.7 | 1. 0 | 1.4 | . 1 | .2 | 2.1 | 2. 3 | . 5 | . 7 | 1.2 | . .6 |
| 291 | Petroleum refining | . 9 |  | . 8 | - | . 1 | - | 1.1 |  | . 3 | $\pm$ | . 5 | -. ${ }^{-6}$ |
| 295 | Paving and roofing materials ............... | 2.2 | - | 1.8 | - | . 3 | - | 7.1 | - | 1.6 | - | 4.8 |  |
| 30 | RUBBER AND MISC. PLASTICS PRODUCTS . . . . | 2.7 | 4.5 | 1. 6 | 2. 7 | . 8 | 1.5 | 4. 4 | 5.2 |  | 1.9 | 2.1 | 2.2 |
| 301 | Tires and inner tubes . . . . . . . . . . . . . . . . . . . . | . 8 |  | . 3 |  | . 3 | $\underline{-}$ | 1.4 |  | . 2 | 1. | . .6 | 2. 2 |
| 302 | Rubber and plastics footwear . . . . . . . . . . . . . . . . | 5.5 | - | 4.0 | - | 1.2 | - | 7.0 | - | 3.7 | - | 2.3 | - |
| 303,4 | Reclaimed rubber, and rubber and plastics hose and belting | 1.4 | - | . 9 | - | . 3 | - | 2.5 | - | 3.7 .9 | - | 1.2 | - |
| 306 | Fabricated rubber products, nec .............. | 1.9 | - | . 9 | - | . 7 | - | 3.9 | - | .9 | - | 2.2 | - |
| 307 | Miscellaneous plastics products . . . . . . . . . . . . . | 3.2 | - | 2.0 | - | 1.0 | - | 5.2 | - | 2.0 | - | 2.5 |  |
| 31 | LEATHER AND LEATHER PRODUCTS . . . . . . . . | 3.8 | 7. 0 | 2.5 | 4.2 | 1.0 | 2. 6 | 5.9 | 7.4 | 2.4 | 3.2 | 2.8 | 3. 1 |
| 311 | Leather tanning and finishing . . . . . . . . . . . . . . | 2.6 |  | 1.8 |  | . 7 |  | 5. 1 |  | 1.5 | 3. | 2.8 | 3. 1 |
| 314 | Footwear, except rubber . . . . . . . . . . . . . . . . . . | 4.4 | - | 2.8 | - | 1.2 |  | 4.8 |  | 2.4 |  | 1.7 |  |
| 3143 | Men's footwear, exceot athletic . . . . . . . . . . . | 3.4 | - | 2.3 | - | . .9 | - | 3.8 | - | 2.2 | - | 1.0 | - |
| 3144 | Women's footwear, except athletic . . . . . . . | 5.4 | - | 3.1 | - | 1.8 | - | 4.4 |  | 2.5 |  | 1.0 |  |
|  | NONMANUFACTURING: |  |  |  |  |  |  |  |  |  |  |  |  |
| - | MINING ..................................... | 3.8 | 5.9 | 2.9 | 4.3 | . 6 | 1.1 | 4. 3 | 5.1 | 2.3 | 2.9 | 1.2 | 1.0 |
| 10 | Metal mining .............................. | 1.6 | 3.3 | 1.3 | 1.4 | ${ }^{1}{ }^{1}$ | . 9 | 1. 5 | 3.7 | . 8 | 1.0 | . 2 | 1.5 |
| 101 | Iron ores . . . . . . . . . . . . . . . . . . . . . . . . . . . . | .8 1.0 | - | .4 .9 | - | (1) ${ }^{1}$ | - | 1. 4 | - | - 3 | - | $i^{5}$ | - |
| 102 | Copper ores ............................... | 1.0 | - | . 9 | - | () | - | . 7 | - | . 3 | - | () | - |
| 12 | bituminous coal and lignite mining .... | 1.3 | 2.2 | . 5 | . 6 | . 2 | . 6 | 3.2 | 2.5 | . 4 | . 5 | 2.3 | 1.2 |
| 13 | OLL AND GAS EXTRACTION ................. | 6.0 | 8.7 | 4.8 | 7. 2 | . 9 | 1.2 | 5.1 | 6.5 | 4.0 | 4.9 | . 2 | . 2 |
| 131, 2 | Grude petroleum, natural ges, and natural gas liquids | 2. 0 | - | 1.5 | - | . 4 | - | 1.4 | - |  | - | . 1 | - |
| 138 | Oil and gas field services ................... | 8.9 | - | 7. 1 | - | 1.3 | - | 7.6 | - | 6.1 | - | . 3 | - |
| 14 | NONMETALLIC MINERALS, EXCEPT FUELS ... | 1.9 | 3.8 | 1.3 | 2.0 | . 5 | 1.5 | 5.6 | 5. 9 | 1.1 | 1.3 | 3.6 |  |
| 142 | Crushed and broken stone . . . . . . . . . . . . . . . | 1.7 | , | . 8 | - | . 7 |  | 6.7 | = | 1.1 | = | 4.9 | $\underline{\square}$ |
| 144 | Sand and gravel . . . . . . . . . . . . . . . . . . . . . . . . | 1.7 | - | 1.1 | - | . 4 |  | 8.8 |  | 1.2 |  | 6.1 |  |
| $\overline{481}$ | COMMUNICATION: <br> Telephone communication | . 4 | - | . 3 | - | ( ${ }^{1}$ ) | - | . 7 | - | . 3 | - | . 2 | - |

1 Less than 0.05.

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


# ESTABLISHMENT DATA <br> SEASONALLY ADJUSTED LABOR TURNOVER 

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

| Yoer | Jom. | Fab. | Mar. | Apr. | May | Jume | Judy | Aug | Sept. | Oet | Nov. | Dre. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total eccesmions |  |  |  |  |  |  |  |  |  |  |  |
| 1970. | 4.4 | 4.4 | 4.0 | 4.0 | 4.1 | 4.1 | 4.1 | 3.9 | 3.9 | 3.8 | 3.7 | 3.8 |
| 1971. | 3.8 | 3.7 | 3.7 | 3.8 | 3.8 | 3.8 | 3.8 | 4.0 | 4.0 | 3.9 | 4.0 | 4.2 |
| 1972. | 4.3 | 4. 3 | 4.4 | 4. 4 | 4.4 | 4. 3 | 4. 3 | 4. 5 | 4. 5 | 4.6 | 4. 7 | 4. 9 |
| 1973. | 5.0 | 5.2 | 5.1 | 4.9 | 4.8 | 4.7 | 4.6 | 4.6 | 4.8 | 4.8 | 5.0 | 4.7 |
| 1974. | 4.7 | 4.6 | 4.5 | 4.6 | 4.5 | 4.3 | 4.3 | 4.1 | 4.0 | 3.8 | 3.3 | 3.1 |
| 1975. | 3.0 | 3.1 | 3.2 | 3.7 | 3.6 | 3.8 | 4.1 | 4.0 | 3.9 | 3.8 | 3.8 | 3.8 |
| 1976. | 4.2 | 4. I | 4.2 | 4.0 | 4.0 | 3.8 | 3.9 | 3.8 | 3.8 | 3.7 | 3.8 | 3.9 |
| 1977. | 4.0 | 4.4 | 4.1 | 3.9 | 4.0 | 4.0 | 4.0 | 3.9 | 3.9 | 4.0 | 4.1 | 4.3 |
| 1978. | 4.1 | 3.9 | 4.0 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.1 | 4.3 | 4. 4 | 4.5 |
| 1979. | $\mathrm{P}_{4}^{4.3}$ | 4.2 | 4.0 | 3.9 | 4.0 | 4.0 | 3.9 | 3.7 | 3. 8 | 4.1 | 3.9 | 4. 0 |
| 1980. | P4.1 |  |  |  |  |  |  |  |  |  |  |  |
|  | Now hires |  |  |  |  |  |  |  |  |  |  |  |
| 1970. | 3.3 | 3.2 | 2.9 | 2.8 | 2.7 | 2.8 | 2.8 | 2.7 | 2.6 | 2.5 | 2. 4 | 2.4 |
| 1971. | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.5 | 2.7 | 2.9 |
| 1972. | 3.0 | 3.1 | 3.2 | 3.2 | 3.3 | 3.2 | 3.2 | 3.3 | 3.4 | 3.6 | 3.7 | 4.0 |
| 1973. | 4.0 | 4.2 | 4.1 | 4. 0 | 4. 0 | 3.8 | 3.7 | 3. 7 | 3.8 | 3.9 | 4. 1 | 3.8 |
| 1974. | 3.8 | 3.7 | 3.6 | 3. 5 | 3.5 | 3.3 | 3. 3 | 3.1 | 3.0 | 2.7 | 2.3 | 1.9 |
| 1975. | 1.6 | 1.6 | 1.5 | 1.7 | 1.8 | 1.9 | 2.3 | 2.3 | 2.4 | 2.3 | 2.4 | 2.5 |
| 1976. | 2.6 | 2.7 | 2.9 | 2.8 | 2.7 | 2.7 | 2. 7 | 2.6 | 2.5 | 2.4 | 2.5 | 2.6 |
| 1977. | 2. 7 | 2.8 | 2.9 | 2.9 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 2. 9 | 2.9 | 3.2 |
| 1978. | 3. 0 | 2.9 | 3.0 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.1 | 3. 3 | 3.4 | 3. 5 |
| $\begin{aligned} & 1979 . \\ & 1980 . \end{aligned}$ | $\mathrm{p}_{2}^{3.3}$ | 3.3 | 3.1 | 3. 0 | 3.0 | 3.0 | 2.8 | 2.7 | 2.8 | 2.9 | 3.0 | 3. 0 |
|  | $2.9$ |  |  |  |  |  |  |  |  |  |  |  |
|  | Totel separations |  |  |  |  |  |  |  |  |  |  |  |
| 1970. | 5.0 | 5.2 | 4.9 | 5.2 | 5. 0 | 4.8 | 4.5 | 4.8 | 4.8 | 5.0 | 4.7 | 4. 4 |
| 1971. | 4.3 | 4. 1 | 4.0 | 4. 1 | 4.2 | 4.1 | 4.2 | 4.6 | 4. 3 | 4.1 | 4.1 | 4.1 |
| 1972 | 4.2 | 4.1 | 4.2 | 4.2 | 4.2 | 4. 5 | 4.5 | 4.2 | 4.3 | 4.1 | 4.3 | 4. 4 |
| 1973. | 4.6 | 4. 7 | 4.8 | 4.6 | 4.6 | 4.7 | 4. 9 | 4.6 | 4.5 | 4.7 | 4.8 | 4.8 |
| 1974. | 5.1 | 5. 0 | 4.9 | 4.7 | 4.6 | 4.5 | 4.5 | 4.8 | 4.4 | 4.8 | 5.2 | 4.9 |
| 1975. | 5.2 | 5.1 | 4.6 | 4.6 | 4.6 | 4. 3 | 4.0 | 3.9 | 3.9 | 3.8 | 3.8 | 3.5 |
| 1976. | 3.6 | 3.6 | 3.8 | 3.9 | 3.8 | 3.9 | 4.0 | 3.9 | 3.9 | 3.8 | 3.7 | 3.7 |
| 1977. | 3.9 | 4.1 | 3.7 | 3.7 | 3.8 | 3.7 | 4.0 | 3.8 | 3.9 | 3.8 | 3.8 | 3. 9 |
| 1978. | 3. 7 | 3. 9 | 3.8 | 4.0 | 4.0 | 4.0 | 3. 8 | 3. 9 | 3.7 | 3.9 | 4. 0 | 4.0 |
| 1878. | $\mathrm{P}_{4}^{4.1}$ | 4.0 | 3.9 | 3.9 | 4.0 | 4.1 | 4.0 | 4. 3 | 3.9 | 3. 9 | 4.1 | 4.0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ouits |  |  |  |  |  |  |  |  |  |  |  |
| 1970. | 2.4 | 2.5 | 2.3 | 2.3 | 2.1 | 2.2 | 2.1 | 2.0 | 2.0 | 1.9 |  |  |
| 1971. | 1.8 | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1. 8 | 1.9 | 1.9 |
| 1972. | 2.1 | 2. 1 | 2. 2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.5 | 2.6 |
| 1973. 1974 | 2.8 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 | 2. 7 | 2.7 | 2.7 | 2.9 | 2.9 | 2.7 |
| $1974 .$ $1975 .$ | 2.7 | 2.8 | 2. 7 | 2.6 | 2.6 | 2. 5 | 2.5 | 2.4 | 2.2 | 2.0 | 1.8 | 1.7 |
| 1975. 1976. | 1.4 | 1.3 | 1.2 | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | 1.4 | 1.5 | 1.6 | 1.5 |
| 1976. | 1.6 | 1.7 | 1.8 | 1.8 | 1.7 | 1.7 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1. 7 |
| 1977. | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.8 | 1.8 | 1.8 | 1. 9 | 1.9 | 1.9 | 2. 0 |
| 1978. 1979. | 1.9 | 2. 0 | 2. 0 | 2. 1 | 2.1 | 2. 1 | 2. 0 | 2.1 | 2. 1 | 2.2 | 2.2 | 2.2 |
| $\begin{aligned} & 1979 . \\ & 1980 . \end{aligned}$ | P2. ${ }^{2 .}$ | 2.2 | 2. 1 | 2.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 1.9 |
|  | Leyoths |  |  |  |  |  |  |  |  |  |  |  |
| 1970. | 1. 5 | 1.7 | 1.8 | 1.9 | 1.9 | 1.9 | 1.5 | 1.9 | 1.9 | 2.2 |  |  |
| 1971. . | 1.7 | 1.5 | 1.5 | 1.5 | 1.6 | 1.5 | 1.5 | 2.0 | 1.7 | 1. 5 | 1.4 | 1. 3 |
| 1972.. | 1.2 | 1.2 | 1.1 . | 1.2 | 1.2 | 1.4 | 1.4 | 1. 1 | 1.0 | 1.0 | .4 .9 | .3 .9 |
| 1973. | - 9 | 1.8 +3 | 1.9 ${ }^{18}$ | .8 1.1 | . 9 | .9 1.9 | 1.2 | 1.0 | 1.0 .9 | .8 .8 | 1.0 | 1.1 |
| 1974. . | 1.4 2.9 | 1.3 3.0 | 1.2 2.7 | 1.1 2.6 | 1. 1 | 1.1 2.2 | 1.1 | 1.4 1.6 | 1.3 | 1.8 | 2.5 | 2.5 |
| 1976. | 1.9 1.2 | 3. 0 1.0 | 1.7 1.2 | 2.6 1.3 | 2.5 1.3 | 2.2 1.3 | 1.7 1.4 | 1.6 1.3 | 1.7 1.4 | 1.5 1.4 | 1.5 1.3 | 1. 3 |
| 1977. | 1. 3 | 1.0 1.5 | 1.2 | 1.3 | 1.3 | 1.3 1.1 | 1.4 | 1.3 1.2 | 1.4 | 1.4 | 1.3 1.0 | 1.2 1.0 |
| 1978. | . 9 | 1.0 | 1.0 | 1.0 | 1. 0 | 1. 0 | . 8 | 1.0 | . 8 | . 9 | . 9 | . 9 |
| $\begin{aligned} & 1979 . \\ & 1980 . \end{aligned}$ | $\mathrm{p}_{1.3}{ }^{\text {a }}$ | . 9 | . 9 | 1.1 | 1.0 | 1.1 | 1. 2 | 1. 5 | 1.2 | 1. 1 | 1. 3 | 1. 2 |

p-preliminary.

D-4. Labor turnover rates in manufacturing for selected States and areas
[Per 100 employees ]

| State and area | Accossion rates |  |  |  |  |  | Separation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New hires |  | Recells |  | Total |  | Quits |  | Layoffs |  |
|  | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov* } \\ & 1979 \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Dect } \\ 1979 \\ \hline \end{array}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \mathrm{p} \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{Dec} \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \mathrm{Dec} .{ }^{2} \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { Dec.p } \\ 1979 \text { p } \\ \hline \end{array}$ |
| ALabama: | 2.3 | 1.3 | 1.3 | 0.6 | 0.7 | 0.5 | 3.0 |  |  |  | 1.3 |  |
| Birmingham. | 2. 6 | 4.6 | 2.1 | 1.5 | 3.5 | 2.5 | 6. 8 | 2.0 5.6 | 0.9 1.6 | 0.6 1.1 | 1.3 4.6 | 0.8 |
| Mobile . |  |  |  |  |  | 2.9 | 6.8 | 5.6 | 1.6 | 1.1 | 4.6 |  |
| ALASKA | 12.9 | 2.7 | 3.0 | . 8 | 9.9 | 1. 7 | 28.1 | 6.1 | 2.9 | . 9 | 25.0 | 5.0 |
| ARIZONA | 4.1 | 3.2 | 3.7 | 2.8 | . 4 | . 3 | 4.0 | 3. 4 | 2.5 | 1.8 | . 5 | . 5 |
| Phoenix | 4.2 | 3.3 | 3.7 | 2.8 | . 4 | . 4 | 4.0 | 3.3 | 2.5 | 1.8 | . 4 | . 4 |
| ARKANSAS | 4. 3 | 3.1 | 3.4 | 2.0 | . 6 | 1.0 | 5.1 | 4.7 | 2.9 | 1.9 | 1.2 | 2.2 |
| Fort Smith | 3.2 | 2.8 | 2.1 | 1.5 | . 4 | . 8 | 5.1 | 4.8 | 3.3 | 1.4 | 1.0 | 2. 9 |
| Little Rock-North Little Rock | 3. 1 | 4.2 | 2.8 | 2.2 | .2 | 1.9 | 3.6 | 6.6 | 1.8 | 2.0 | - 9 | 3. 5 |
| Pine Bluff . . . . . . . . . . . . . | 3.1 | 2.2 | 2.7 | 2.0 | . 3 | . 2 | 2.2 | 2.1 | 1. 4 | 1.1 | . 1 | . 1 |
| COLORADO | 4.1 | (*) | 3.6 | (*) | . 2 | (*) | 4.5 | (*) | 2.9 | (*) | . 8 | (*) |
| Denver-Boulder | 3.8 | (*) | 3.5 | (*) | . 2 | (*) | 4.1 | (*) | 2.5 | (*) | . 7 | (*) |
| CONNECTICUT | 2.5 | 1.9 | 2.1 | 1.4 | . 2 | . 3 | 2.3 | 2.1 | 1.2 | . 9 | . 5 | . 6 |
| Hartford .. | 2.4 | 1.7 | 2.2 | 1.4 | . 1 | . 1 | 2.3 | 1.7 | 1.4 | . 9 | . 5 | . 4 |
| DELAWARE | 6.6 | 1.2 | 1.0 | . 6 | 5. 5 | . 3 | 7.2 | 6.4 | . 7 | . 5 | 6.0 | 5. 3 |
| Wilmington | 6.7 | 1.0 | . 7 | . 4 | 5.9 | . 3 | 7.4 | 6.4 | . 6 | . 3 | 6.4 | 5. 5 |
|  | 5.7 | 3. 8 | 4. 2 | 3.1 | 1. 3 | . 6 | 4. 4 | 3.8 | 2.8 | 2.3 | . 7 | . 7 |
| FLORIDA ................ | 5.8 | 3.8 | 5. 4 | 3. 3 | . 3 | . 4 | 5. 1 | 4.4 | 4.0 | 3.1 | . 3 | . 5 |
| Fort Lauderdale-Holly wood | 4.0 | 2.3 | 2.3 | 1.7 | 1. 5 | . 6 | 3.9 | 3.2 | 1.5 | 1.8 | 1.6 | . 9 |
| Miami ............. | 4.0 | 2.6 | 3.6 | 2.3 | . 4 | . 2 | 4.0 | 3. 4 | 2.8 | 2.1 | . 4 | . 6 |
| Oriando | 4.9 | 4.0 | 4.1 | 3. 3 | - 7 | $\left(i^{6}\right.$ | 3. 4 | 3. 0 | 2.4 | 2.1 | . 3 | . 2 |
| Pensacola ......... | .9 4.8 | -6 4.6 | .7 4.3 | .5 3.6 | - 1 | (1) | 1.2 | 1.0 | -7 | . 7 | . 2 | . 2 |
| Tampa-St. Petersburg | 4.8 5.9 | 4.6 | 4.3 | 3.6 | .5 1.0 | . 3 | 3. 4 | 2. 2.6 | 3.6 | 2.6 | 8 | 1. 7 |
| West Palm Beach-Boca Raton | 5.9 | 2.7 | 4.8 | 2.4 | 1.0 | . 3 | 3.5 | 2.6 | 2.5 | 1.9 | 1 | . 1 |
|  | 3.0 | 1.9 | 2.4 | 1.3 | . 3 | . 3 | 3.5 | 2.5 | -2.0 | 1.4 | . 7 | . 5 |
| ${ }_{\text {Atanta }}{ }^{\text {c }}$ | 2.6 | 2.0 | 2.2 | 1.2 | . 2 | . 6 | 3.6 | 2.2 | 1.8 | 1.0 | 1.0 | . 7 |
| HaWAll ${ }^{3}$ | 3.7 | 1.9 | 1.8 | 1.4 | . 6 | . 3 | 2.3 | 1.7 | 1.0 | . 7 | . 9 | . 5 |
| IDAHO ${ }^{4}$ | 2.3 | 2.5 | 1.6 | 1.0 | . 5 | 1.5 | 6.2 | 4.8 | 1. 5 | 1.1 | 2.7 | 3.1 |
| ILLINOIS: <br> Chicago SMSA | 2.7 | 1.9 | 2.1 | 1.4 | . 3 | . 3 | 3.5 | 2.5 | 1.5 | 1.0 | 1.0 | . 8 |
| INDIANA ${ }^{5}$. | 1.8 | 2.0 | 1.0 | . 6 | . 4 | . 8 | 4. 3 | 3. 4 | . 8 | . 5 | 2.8 | 2.3 |
| Indianapolis ${ }^{\text {c }}$ | 1.9 | 1.9 | 1.1 | . 7 | . 3 | . 8 | 3.2 | 2.5 | 1.0 | . 7 | 1. 4 | . 9 |
| IOWA | 2.5 | 2.1 | 1.7 | 1.2 | . 5 | . 7 | 3.4 | 4.2 | 1. 1 | . 9 | 1. 7 | 2.9 |
| Cedar Rapids | 2. 1 | 1.7 | . 9 | . 7 | . 7 | . 8 | 2.4 | 2. 0 | . 8 | . 6 | - 9 | 1. 1 |
| Des Moines | 2.7 | 1.9 | 1.4 | 1.0 | . 1 | . 2 | 3.2 | 2.4 | 1.3 | . 7 | $\cdots$ | . 6 |
| KANSAS | 4.3 | 2.5 | 3.4 | 2.0 | . 6 | . 4 | 3.9 | 2.8 | 2.3 | 1.5 | . 8 | . 7 |
| Topeka | 4.4 4.7 | 4. 3 | 2.3 | 3.0 1.9 | 2.0 | 1.2 | 2.7 3.4 | 3.2 3 | 1.4 | $\begin{array}{r}.9 \\ \hline 1\end{array}$ | - 9 | 1. 6 |
| Wichita.. | 4.7 | 2.1 | 4.1 | 1.9 | . 4 | . 1 | 3.4 | 2.3 | 2.3 | 1.4 | - 1 | . |
| KENTUCKY | 3.2 | 2.2 | 1.8 | 1.1 | . 8 | . 9 | 3.5 | 2.4 | 1. 3 | . 7 | 1.3 | 1.2 |
| Louisville | 1.6 | 1.6 | . 7 | . 6 | . 2 | . 5 | 2.2 | 1.6 | . 6 | . 4 | . 6 | . 4 |
| LOUISIANA | 4.0 | 2.3 | 3.6 | 2.0 | . 3 | . 2 | 4.8 | 4.2 | 2.9 | 2.4 | . 8 | . 7 |
|  | 4.3 | 3.1 | 3.0 | 2.3 | 1.0 | . 6 | 5. 3 | 4. 1 | 2.2 | 1.5 | 2.2 | 1. 7 |
| Portland | 3.2 | 2.2 | 2.5 | 1.9 | . 3 | . 1 | 3.3 | 2.7 | 2.1 | 1.7 | . 3 | . 6 |
| MARYLAND | 2.2 | 1.8 | 1.4 | 1.0 | . 6 | . 6 | 3.1 | 4. 4 | 1.0 | . 7 | 1. 4 | 3.2 |
| Baltimore | 1.9 | 1.7 | 1.1 | . 9 | . 6 | . 7 | 2.7 | 4.4 | . 8 | . 5 | 1.3 | 3. 3 |
| MASSACHUSETTS | 2.8 | (*) | 2.2 | (*) | . 3 | (*) | 3.4 | (*) | 1.7 | (*) | 1.0 | (*) |
| Boston ....... | 2.4 | (*) | 2.1 | (*) | . 2 | (*) | 3.0 | (*) | 1.3 | (*) | 1.0 | (*) |
| MICHIGAN | 1.4 | 1.4 | . 6 | . 4 | . 6 | . 7 | 2.5 | 3.5 | . 5 | . 4 | 1.6 | 2.6 |
| Detroit | 1.1 | . 9 | $i^{4}$ | . 2 | . 5 | . 5 | 2.0 | 2. 4 | . 4 | . 3 | 1. 3 | 1.8 |
| Flint | . 6 | -9 | ${ }^{1}{ }^{1}$ ) | - 1 | . 5 | . 5 | . 4 | 5.9 | . 1 | . 1 | . 1 | 5. 3 |
| Grand Rapids ... | 2.2 | 2.0 | 1.0 | - 7 | . 8 | 1. 1 | 3. 7 | 4.1 | . 9 | - 7 | 2.2 | 2.9 |
| Lansing-East Lansing ..... | . 4 | . 7 | . 1 | . 1 | . 1 | . 5 | 1.8 | - 9 | 1.1 | . 1 | . 4 | . 4 |

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER 

D-4. Labor turnover rates in manufacturing for selected 8tates and areas-Continued
[ Per 100 employees |

| 8tata and aren | Acomemon rites |  |  |  |  |  | Separation rater |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Now hires |  | Acoollit |  | Total |  | Quits |  | Layoff |  |
|  | $\begin{array}{r} \text { Nov. } \\ 1979 \\ \hline \end{array}$ | De9\%9 | N9\%9 | 1979p | Noy9 | Pe9f9 | N0V9 | Decip | NoV'9 | Decp | NOV\% | (1979p |
| MINNESOTA | 3.2 | 2.2 | 2.6 | 1.7 | 0.4 | 0.4 | 4.0 | 4.0 | 2.0 | 1. 5 | 1.3 | 2.0 |
| Minneapolia-St. Paul | 2.8 | 2.0 | 2.3 | 1.6 | . 3 | . 3 | 3.4 | 3.1 | 1.8 | 1.5 | 1.0 | 1.2 |
| MI88188IPP: <br> Juckıon | 3.2 | 1.7 | 2.3 | 1.4 | . 7 | . 2 | 3. 3 | 2.8 | 1.9 | 1.5 | . 9 | . 8 |
| MIssouri | 2.4 | 1.9 | 1.8 | 1.2 | . 5 | . 5 | 3.3 | 2.6 | 1.3 | 1.0 | 1.3 | 1. 1 |
| Kansea City | 2.3 | 1.8 | 1.9 | 1. 5 | . 4 | . 2 | 2.8 | 2.5 | 1.3 | 1.1 | . 8 | . 8 |
| St. Louit | 2.0 | 1.3 | 1.3 | . 8 | . 6 | . 4 | 2.5 | 2.2 | . 7 | . 6 | 1.2 | 1.2 |
| MONTANA | 2.0 | 1.9 | 1.6 | . 8 | . 3 | . 3 | 5.8 | 2.8 | 1.6 | . 8 | 3.1 | 1.5 |
| NEBRASKA | 3.0 | 2.1 | 2.7 | 1.8 | ( ${ }^{1}$ | . 2. | 3.7 | 2.8 | 2.3 | 1.7 | . 8 | . 6 |
| NEVADA | 4.9 | 4.0 | 4.7 | 3.8 | . 1 | ( ${ }^{1}$ | 5.4 | 5.5 | 3.5 | 3.2 | . 5 | 1.1 |
| NEW HAMPRHIRE | 4.2 | 3.8 | 3.8 | 2.7 | . 2 | 1.0 | 4. 3 | 5.4 | 2.9 | 2.0 | . 6 | 2.8 |
| NEW JERSEY: | 1.8 | 2.2 | 1.3 | 1.4 | . 3 | . 5 | 3.0 | 4.1 | 8 | . 7 | 1.4 | 2.7 |
| Hackenuack | 3.4 | 2.7 | 2.7 | 2.0 | . 6 | . 6 | 3.6 | 4.1 | 1.5 | 1. 5 | 1.1 | 1.8 |
| Jersey Cliy | 2.8 | 2.0 | 1.8 | . 9 | . 8 | 1.0 | 4. 4 | 4. 0 | 1.3 | . 7 | 2.3 | 2.8 |
| Newark .. | 2.6 | 2.1 | 2.0 | 1.4 | . 3 | . 2 | 3.3 | 2.5 | 1.2 | . 9 | 1.3 | . 9 |
| Now Brunswick-Porth Amboy-Seyrevilie | 4.0 | 2.4 | 3.3 | 2.0 | . 6 | . 3 | 3. 9 | 3.9 | 1. 9 | 1.3 | 1.0 | 1. 1 |
| Paterson-Clitton-Pastaic . . . . . . . . . . . | 3.8 | 1.9 | 2.4 | 1.6 | 1.2 | . 2 | 4.5 | 5.0 | 1.3 | 1.2 | 2.6 | 3.1 |
| Trenton .............. | 2.2 | 2.0 | 1.4 | 1.1 | . 6 | . 7 | 3.8 | 2.7 | . 7 | . 7 | 2.4 | 1.5 |
| NEW YORK | 2.8 | 2.2 | 1.8 | 1.2 | . 9 | . 8 | 3.9 | 4.1 | 1.1 | . 8 | 2.1 | 2.7 |
| Albany-Schenectady-Troy | 2.1 | 2.1 | 1.1 | . 8 | . 6 | . 8 | 2.5 | 3.0 | . 8 | . 5 | 1.0 | 1.5 |
| Binghamton | 1.4 | 2.8 | 1.1 | - 9 | . 2 | 1.8 | 4.0 | 1. 5 | 1.2 | . 8 | 2.1 | . 2 |
| Buffalo .. | 2.0 | 1.2 | . 9 | . 5 | . 8 | . 5 | 2.7 | 3.0 | . 5 | . 3 | 1.7 | 2.2 |
| Elmira . | 2.2 | 1.2 | 1.5 | . 7 | . 3 | . 1 | 3.2 | 2.1 | . 8 | . 4 | 1.6 | . 8 |
| Monroe County ${ }^{8}$ | 1.3 | 1.1 | 1.0 | . 8 | . 1 | . 1 | 1.7 | 1.5 | . 6 | . 4 | . 7 | . 7 |
| Neschu-Suffolk 9 | 4.0 | 2.4 | 3.3 | 1.9 | . 6 | . 4 | 4.1 | 3.4 | 2.1 | 1. 5 | 1.1 | 1.2 |
| Now York and Nassau-Suftolk | 3.6 | 2.6 | 2,4 | 1.6 | 1.1 | -9 | 4.5 | 5.6 | 1.4 | 1.1 | 2.4 | 3.6 |
| New York SMSA ${ }^{\text {9 }}$ | 3.5 | 2.7 | 2,1 | 1.5 | 1.3 | 1.1 | 4.6 | 6.1 | 1.2 | 1.0 | 2.7 | 4.3 |
| New York City ${ }^{10}$. | 3.7 | 2.8 | 2.2 | 1.6 | 1.4 | 1.2 | 5. 0 | 6.8 | 1.3 | 1. 0 | 3.0 | 4.8 |
| Rochester | 1.6 | 1.4 | 1.2 | . 9 | . 2 | . 3 | 2. 4 | 2.3 | . 8 | . 5 | 1.1 | 1.3 |
| Syrscuse . | 1.9 | 1.5 | 1.3 | . 8 | . 3 | . 5 | 3.1 | 2.8 | . 8 | . 6 | 1.7 | 1. 4 |
| Utica-Rome | 1.6 | 1.4 | 1.1 | . 9 | . 3 | - 3 | 2.5 | 2.1 | . 8 | . 7 | 1.2 | . 9 |
| Westchestar County 10 | 2.5 | 1.8 | 1.5 | 1. 4 | . 6 | . 3 | 2.1 | 2.3 | . 9 | . 8 | . 6 | 1.0 |
| NORTH CAROLINA | 3.3 | 2.1 | 2.8 | 1.6 | . 3 | . 3 | 3.8 | 2.6 | 2.2 | 1.5 | . 8 | . 5 |
| Charlotte-Geatonia | 4.6 | 2.9 | 4.0 | 2. 5 | . 4 | . 3 | 4.5 | 3.3 | 3.2 | 2.2 | . 3 | . 2 |
| Greensboro-Winston-Salem-High Point | 3.2 | 1.9 | 2.7 | 1.5 | . 2 | . 1 | 2.0 | 2.2 | . 6 | 1.3 | . 4 | . 3 |
| NORTH DAKOTA | 4.4 | 3. 5 | 3.9 | 2.8 | . 4 | . 3 | 11.0 | 8.3 | 4.2 | 2.7 | 6.3 | 5.2 |
| Fargo-Moorhead | 3.6 | 2.7 | 3.0 | 2.2 | . 5 | . 2 | 11.3 | 8.1 | 2.3 | 2.1 | 8.3 | 5.6 |
| OHIO. | 1.8 | 1.5 | 1.0 | . 7 | ** | (*) | 3.3 | 2.6 | . 6 | . 5 | 2.0 | 1.6 |
| Akron | 1.0 | 1.0 | . 5 | . 5 | *) | * ${ }^{*}$ | 1.8 | 1.7 | . 4 | . 4 | 1.0 | 1.0 |
| Canton. | 2.7 | 2.0 | 1.3 | . 7 | * | * ${ }^{*}$ | 3.1 | 2.1 | . 6 | . 4 | 1.6 | . 9 |
| CIncinnati | 2.2 | 1.6 | 1.3 | 1.1 | (*) | (*) | 2. 4 | 1.6 | . 7 | . 4 | . 8 | . 4 |
| Clieveland | 1.8 | 1.6 | 1.2 | 1.0 | * | * | 2.8 | 2.2 | . 8 | . 6 | 1.3 | - 9 |
| Columbus | 2.4 | 1.4 | 1.6 | . 8 |  | * | 2.8 | 1.7 | . 8 | . 5 | 1.4 | . 6 |
| Deyton | 1.5 | . 8 | 1.2 | . 6 | * | * | 2.8 | 2.0 | . 6 | . 3 | 1.5 | - 9 |
| Toledo | 1.8 | 1.1 | . 6 | . 7 | * | * | 3.5 | 2.6 | . 4 | . 3 | 2.5 | 1.7 |
| Youngitown-Warren | 1.5 | 1.9 | . 5 | . 3 | (*) | (*) | 3.6 | 3.2 | . 3 | . 2 | 2.6 | 2.4 |
| OKLAHOMA | 5. 7 | 3.3 | 4.7 | 2.8 | . 7 | . 4 | 5.4 | 3.9 | 3.6 | 2.7 | . 8 | . 5 |
| Oklahoma City | 5.9 | 3.4 3.2 | 5.3 4.7 | 2.8 | .4 | . 5 | 5.7 | 3.9 | 4.2 | 2.7 | . 5 | . 6 |
| $\text { Tulsa } 12 . . . .$ | 5.1 | 3.2 | 4.7 | 3.0 | .2 | . 2 | 5.1 | 3.9 | 3.1 | 2.4 | . 6 | . 5 |
| OREGON 3. | 3.0 | 2.2 | 2.2 | 1.6 | . 6 | . 5 | 4.9 | 3.9 | 1.7 | 1.2 | 2.4 | 2.1 |
| Eugene-Springtiold ${ }^{\text {s }}$. | 1.5 | 1.4 | 1.1 | 1.0 | . 3 | . 2 | 3.4 | 3.2 | 1.0 | 1.0 | 1.6 | 1.5 |
| Portand 5 | 3.8 | 2.8 | 2.9 | 2.2 | . 8 | . 5 | 4.7 | 3.4 | 1.9 | 1.3 | 2.1 | 1.4 |
| PENNSYLVANIA | 2.3 | 1.9 | 1.3 | . 9 | . 8 | . 9 | 3.0 | 3.1 | . 8 | . 6 | 1.6 | 2.0 |
| Allentown-Bethlehem-Earton | 2. 1 | 1.2 | 1.3 | . 8 | . 5 | . 3 | 2.7 | 2.6 | . 7 | . 5 | 1.7 | 1.7 |
| Altoona | 2.2 | 1.4 | . 9 | . 6 | 1.3 | . 6 | 2.7 | 2.0 | . 8 | . 7 | 1.5 | 1.0 |
| Erie . | 1.6 | 1.3 | . 9 | . 5 | . 4 | . 5 | 2.7 | 3. 3 | . 6 | . 5 | 1.5 | 2.3 |
| Harrisburg | 2.0 | 2.1 | 1.4 | 1.2 | . 4 | . 5 | 2.6 | 3.6 | 1.0 | 1.1 | 1.1 | 1.8 |
| Johnstown. | 2.5 | 1.5 | . 5 | . 5 | 2.0 | 1:0 | 2.3 | 1.9 | . 5 | . 4 | 1.6 | 1.2 |
| Lencaster . . . . . . . . . . . | 2.8 | 2.0 | 2.4 | 1.7 | . 3 | - 3 | 2.7 | 2.5 | 1.6 | 1.4 | . 7 | . 6 |

See footnotes at and of table.

## ESTABLISHMENT DATA <br> STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas-Continued
[ Per 100 employees ]

| State and area | Accession rates |  |  |  |  |  | Separation rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Now hires |  | Recalls |  | Total |  | Quits |  | Layoffs |  |
|  | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \begin{array}{l} \text { Pec } \\ 1979 \\ \hline \end{array} \\ \hline \end{array}$ | $\begin{array}{\|l} \hline \text { Nov. } \\ 1979 \\ \hline \end{array}$ | $\begin{aligned} & \text { Dec;p } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \text { 1979 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1979 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec.p } \\ & 1979^{p} \\ & \hline \end{aligned}$ |
| PENNSYLVANIA-Continued |  |  |  |  |  |  |  |  |  |  |  |  |
| Northeast Pennsylvania | 2.8 | 2.2 | 1.3 | 0.8 | 1.2 | 1.2 | 4. 1 | 5. 0 | 1.0 | 0.5 | 2.4 | 4.0 |
| Philadelphia SMSA .. | 2.2 | 1.8 | 1.6 | 1. 0 | . 5 | . 6 | 3.1 | 3.0 | 1.0 | . 7 | 1.4 | 1. 7 |
| Pittsburgh . ..... | 2.0 | 2. 0 | . 7 | . 5 | 1. 0 | 1. 3 | 2.2 | 3.9 | . 4 | . 3 | 1. 3 | 3. 1 |
| Reading | 2.3 | 2.2 | 1.7 | 1. 4 | . 5 | . 7 | 2.8 | 2.5 | 1. 1 | 1. 0 | 1.3 | 1. 0 |
| Scranton 12 | 2.2 | 1.6 | 1.2 | . 9 | 1. 0 | . 6 | 2.5 | 4. 0 | . 8 | - 3 | 1. 4 | 3. 3 |
| Wilkes-Barre-Hazleton 12 | 2.5 | 2.7 | 1.2 | . 8 | 1. 0 | 1. 7 | 4. 4 | 5.8 | 1. 0 | . 5 | 2.8 | 4.8 |
| Williamsport | 1.3 | 1.0 | . 7 | . 3 | . 5 | . 5 | 2.1 | 1.2 | . 3 | . 3 | 1.4 | . 6 |
| York ...... | 2.7 | 2. 1 | 2.2 | 1.6 | 5 | . 4 | 3.5 | 2.8 | 1.8 | 1.0 | 1.2 | 1.4 |
| RHODE ISLAND | 3.8 | 2.7 | 3.1 | 2.0 | . 4 | . 5 | 6.3 | 5. 0 | 2.6 | 1. 5 | 2.6 | 2. 7 |
| Providence-Warwick-Pawtucket. | 3.8 | 2.7 | 3. 1 | 2.0 | . 4 | . 5 | 6.5 | 4.9 | 2.7 | 1. 6 | 2.8 | 2. 7 |
| SOUTH CAROLINA | 2.9 | 2.0 | 2. 5 | 1.6 | . 2 | . 1 | 3.2 | 2.7 | 1.9 | 1.3 | . 5 | . 6 |
| Charleston-North Charleston | 3.3 | 1.6 | 2.8 | 1.4 | - 3 | $i^{1}$ | 4. 7 | 2. 3 | 2.0 | 1. 3 | 1. 5 | . 4 |
| Columbia . . . . . . . . . . . . . | 2.6 | 1. 3 | 2.4 | 1.2 | . 1 | (1) | 5. 1 | 4.9 | 1.7 | 1. 3 | 2.5 | 3. 1 |
| Greenville-Spartanturg | 3.7 | 2. 4 | 3.4 | 2.2 | . 1 | . 1 | 3.9 | 2.9 | 2.5 | 1. 7 | . 5 | . 2 |
| SOUTH DAKOTA | 3.8 | 3.2 | 3.2 | 2. 7 | . 2 | - 3 | 4. 0 | 3. 4 | 2. 5 | 1.6 | . 8 | 1.1 |
| Sioux Falls | 3.4 | 3.0 | 2.9 | 2.2 | . 4 | . 8 | 5.5 | 1.9 | 2.0 | 1. 1 | 2.7 | . 5 |
| TENNESSEE: Memphis | 2.0 | 1. 4 | 1.2 | . 9 | . 6 | . 4 | 3.4 | 2.6 | 1.1 | . 9 | 1.6 | 1. 1 |
| TEXAS: |  |  |  |  |  |  |  |  |  |  |  |  |
| Dallas-Fort Worth | 4.5 | (*) | 4.2 | (*) | - 2 | (*) | 4. 4 | (*) | 3.1 | (*) | . 4 | (*) |
| Houston. | 3.8 | (*) | 3.5 | (*) | - 1 | (*) | 3.5 | (*) | 2. 4 | (*) | . 2 | (*) |
| San Antonio | 5.5 | (*) | 5.0 | (*) | . 2 | (*) | 4.3 | (*) | 3.1 | (*) | . 3 | (*) |
| UTAH ${ }^{4}$ | 4.9 | 3.4 | 4.5 | 3. 0 | . 2 | . 2 | 4. 0 | 4. 1 | 2.6 | 2.6 | . 5 | . 6 |
| Salt Lake City-Ogden ${ }^{4}$ | 5.2 | 3.2 | 4.9 | 3.1 | . 1 | . 1 | 4.2 | 3.9 | 2.8 | 2.6 | . 4 | . 7 |
| VERMONT | 2.7 | 2. 3 | 1.9 | 1.6 | . 6 | $i^{6}$ | 3.6 | 3.9 | 1.4 | 1.0 | 1.4 | 2. 3 |
| Burlington | 1.7 | 1.3 | 1.5 | 1.1 | . 1 | (1) | 1.8 | 2.1 | . 9 | . 6 | . 6 | 1.1 |
| Springfield . | 2.5 | 2.4 | 1.7 | 1.3 | . 8 | 1.1 | 3.6 | 2.2 | 1. 2 | . 7 | 1.8 | . 8 |
| VIRGINIA | 2. 7 | 1.9 | 2. 1 | 1.1 | - 5 | . 5 | 3.2 | 3. 3 | 1.4 | . 9 | 1. 0 | 1. 8 |
| Richmond | 2.1 | 1.5 | 1.5 | 1.1 | . 2 | . 1 | 1.6 | 1.2 | . 7 | . 5 | . 3 | . 1 |
| WASHINGTON: Seattle-Everett 13 | 2.6 | 1. 7 | 2.0 | 1.2 | . 4 | . 4 | 3. 4 | 3. 3 | 1.2 | 1.0 | 1.4 | 1.7 |
| WISCONSIN | 2.2 | 1.8 | 1.4 | 1.1 | . 4 | . 4 | 3.6 | 2. 7 | 1.0 | . 6 | 1.9 | 1. 5 |
| Milwaukee | 2.2 | 1.8 | 1.4 | 1. 1 | - 3 | . 3 | 3.0 | 2.7 | . 9 | . 6 | 1.2 | 1. 3 |
| WYOMING | 5.0 | 5.5 | 4. 1 | 5.1 | . 8 | . 3 | 11.3 | 7. 3 | 5.8 | 3. 3 | 4.8 | 2.7 |

1 Leas than 0.06 .
Excludes agricultural chemicals, and miscelianeous manufacturing
3 Excludes canned fruits, vegetables, praserves, jams, and jellies.

- Excludes canning and proserving, and sugar.

5 Excludes canning and preserving.

- Excludes canning and preserving, and newspapars.

7 Subaree of Philadelphia, Pennsylvania Stendard Metropolitan Statistical Araa.

- Subarea of Rochester Stendard Metropolitan Statistical Area.

9 Area included in New York and Nassau-Suffolk combined SMSA's.

10 Subarea of New York Standard Metropolitan Statistical Area.
1 Excludes new-hire rate for transportation equipment
12 Subares of Northeast Pennsyivania Standard Metropolitan Statistical Area.
3 Excluder canning and preserving, printing and publishing.
p-praliminary.

- Not available.

SOURCE: Cooperating State agencies listed on inside back cover,

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

| State and aras | Labor force |  |  | Unemployment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Number |  |  | Percent of labor force |  |  |
|  | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 19 \mathrm{AOP} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & \text { 19ROP } \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & \text { 1980P } \end{aligned}$ |
| alabama | 1,572.3 | 1,632.0 | 1,605.9 | 107.0 | 118.0 | 125.2 | 6.8 | 7.2 | 7.8 |
| Birmingham | 367.2 | 383.4 | 375.6 | 22.8 | 25.1 | 25.8 | 6.2 | 6.6 | 6.9 |
| Huntsvilie. | 130.9 | 137.2 | 135.1 | 8.9 | 9.7 | 10.6 | 6.8 | 7.1 | 7.8 |
| Mobile | 174.2 | 179.5 | 176.5 | 12.6 | 12.6 | 13.1 | 7.2 | 7.0 | 7.4 |
| Montgomery | 114.4 | 119.9 | 118.4 | 6.4 | 6.5 | 7.3 | 5.6 | 5.4 | 6.1 |
| Tuscaloosa . | 50.9 | 51.1 | 52.2 | 3.4 | 3.0 | 3.9 | 6.7 | 5.9 | 7.5 |
| ALASKA | 167.7 | 173.5 | N.A. | 18.7 | 15.5 | N.A. | 11.2 | 9.0 | N.A. |
| ARIzona | 1.030 .1 | 1.094.4 | 1.094.8 | 58.1 | 55.8 | 65.5 | 5.6 | 5.2 | 6.0 |
| Phoenix | 629.9 | 670.5 | 671.4 | 30.0 | 31.2 | 35.7 | 4.8 | 4.7 | 5.3 |
| Tucson | 185.2 | 197.6 | 196.7 | 9.6 | 8.6 | 9.8 | 5.2 | 4.3 | 5.0 |
| Arkansas | 902.4 | 933.7 | 905.6 | 74.3 | 61.9 | 63.4 | 8.2 | 4.6 | 7.0 |
| Fayetteville-Springdale | 71.5 | 76.4 | 13.6 | 4.4 | 3.8 | 3.9 | 6.2 | 5.0 | 5.3 |
| Fort Smith ${ }^{\text {1 }}$ | 80.5 | 82.5 | 80.3 | 7.2 | 6.3 | 6.2 | 8.9 | 7.7 | 7.8 |
| Little Rock - North Little Rock | 175.7 | 184.2 | 177.9 | 8.7 | 8.7 | 7.6 | 4.9 | 4.7 | 4.3 |
| Pine Bluft | 36.1 | 37.3 | 35.4 | 2.7 | 1.9 | 2.0 | 7.6 | 5.1 | 5.6 |
| california ${ }^{2}$. | 10,835.1 | 11.195.4 | 11,064.7 | 782.0 | 674.7 | 726.5 | 7.2 | 6.0 | 6.6 |
| Anaheim-Senta Ana-Garden Grove | 1.037.9 | 1.095.9 | 1.073.7 | 48.8 | 42.9 | 44.9 | 4.7 | 3.9 | 4.2 |
| Bakersfield | 170.5 | 178.9 | 176.6 | 15.4 | 16.0 | 14.1 | 9.1 | 8.9 | 9.0 |
| Fresno | 248.4 | 263.5 | 258.3 | 23.2 | 23.2 | 22.7 | 9.3 | 8.8 | 8.8 |
| Los Angeles-Long Beach ${ }^{2}$ | 3.541.0 | 3.599 .0 | 3.599:0 | 229.0 | 164.0 | 218.0 | 6.5 | 4.6 | 6.1 |
| Modesto .......... | 123.8 | 130.7 | 126.7 | 16.0 | 15.5 | 15.4 | 12.9 | 11.8 | 12.1 |
| Oxnard-Simi Valley-Ventura | 216.3 | 223.3 | 220.7 | 17.8 | 16.7 | 15.7 | 8.3 | 7.5 | 7.1 |
| Riverside-San Bernardino-Ontario | 565.7 | 583.5 | 580.1 | 38.2 | 38.4 | 36.7 | 6.7 | 6.6 | 6.3 |
| Sacramento | 449.3 | 470.1 | 463.0 | 38.4 | 34.1 | 33.6 | 8.5 | 7.3 | 7.3 |
| Salinas-Seaside-Monterey | 120.4 | 127.5 | 121.7 | 13.5 | 12.7 | 13.7 | 11.2 | 9.9 | 11.3 |
| San Diego | 719.6 | 747.5 | 739.1 | 51.4 | 47.0 | 45.5 | 7.1 | 6.3 | 6.2 |
| Sen Francisco-Oakland | 1.587.3 | 1,619.4 | 1.593.1 | 99.2 | 88.5 | 85.2 | 6.3 | 5.5 | 5.3 |
| San Jose | 682.3 | 727.8 | 720.1 | 38.7 | 36.9 | 38.8 | 5.7 | 5.1 | 5.4 |
| Santa Barbara-Santa Maria-Lompoc | 142.1 | 146.6 | 145.1 | 10.4 | 8.7 | 9.0 | 7.3 | 5.9 | 6.2 |
| Santa Rosa | 123.3 | 130.3 | 127.4 | 10.0 | 9.2 | 8.9 | 8.1 | 7.0 | 7.0 |
| Stockton | 152.1 | 161.9 | 153.7 | 19.2 | 18.8 | 17.8 | 12.6 | 11.6 | 11.6 |
| Valleio-Fairfield-Napa | 119.3 | 124.0 | 123.2 | 8.8 | 8.3 | 8.6 | 7.3 | 6.7 | 7.0 |
| colorado | 1,317.0 | 1,416.1 | 1,414.6 | 71.5 | 69.9 | 67.8 | 5.4 | 4.9 | 4.8 |
| Denver-Bouider | 785.0 | 846.4 | 846.8 | 38.1 | 39.4 | 37.2 | 4.9 | 4.7 | 4.4 |
| Connecticut | 1,542.5 | 1,602.8 | 1.593 .7 | 86.3 | 79.9 | 96.3 | 5.6 | 5.0 | 6.1 |
| Bridgeport | 187.9 | 194.0 | 192.7 | 10.8 | 9.5 | 12.6 | 5.7 | 4.9 | 6.5 |
| Hartford | 371.6 | 388. 3 | 379.3 | 18.9 | 18.7 | 19.0 | 5.1 | 4.8 | 5.0 |
| New Britain | 69.8 | 73.9 | 74.1 | 4.0 | 3.7 | 4.4 | 5.8 | 5.0 | 6.0 |
| New Haven-West Haven | 202.0 | 204.9 | 203.6 | 11.2 | 10.2 | 13.1 | 5.5 | 5.0 | 6.4 |
| Stamford | 116.8 | 122.2 | 120.3 | 4.7 | 4.7 | 4.9 | 4.2 | 3.8 | 4.0 |
| Waterbury | 106.9 | 110.6 | 111.7 | 7.1 | 6.6 | 9.6 | 6.7 | 5.9 | 8.6 |
| delaware | 268.9 | 275.7 | 282.0 | 24.1 | 20.4 | 26.4 | 8.9 | 7.4 | 9.4 |
| Wilmington' | N.A. | $N . A$. | N.A. | N.4. | N.A. | N.A. | N, A. | N, A. | $N$. A. |
| district of columbia | N.A. | N.A. | 311.5 | N.A. | N.A. | 20.0 | N, A. | N, A. | 6.4 |
| Washington SMSA ${ }^{1}$ | N.A. | N.A. | N. A'. | N.A. | N.A. | N.A. | $N . A$. | N.A. | N.A. |
| FLORIDA ${ }^{2}$ | 3,780.1 | 2,763.7 | 3.756.5 | 285.1 | 194.3 | 212.5 | 7.5 | 5.2 | 5.7 |
| Fort Lauderdale-Hollywood | 400.9 | 397.1 | 397.1 | 28.0 | 18.0 | 19.8 | 7.0 | 4.5 | 5.0 |
| Jacksonville | 293.1 | 288.4 | 285.3 | 21.1 | 14.1 | 15.7 | 7.2 | 4.9 | 5.5 |
| Miami | 692.1 | 706.5 | 707.0 | 53.3 | 35.5 | 38.0 | 7.7 | 5.0 | 5.4 |
| Oriando | 297.0 | 305.4 | 303.3 | 21.3 | 14.4 | 15.9 | 7.2 | 4.7 | 5.3 |
| Pensacola | 106.0 | 105.1 | 103.1 | 8.7 | 5.9 | 6.0 | 8.2 | 5.6 | 5.8 |
| Tampa-St. Petersburg | 575.8 | 575.7 | 573.1 | 40.1 | 27.8 | 31.8 | 7.0 | 4.8 | 5.6 |
| West Palm Beach-Boca Raton | 223.5 | 223.9 | 222.9 | 16.7 | 10.8 | 11.6 | 7.5 | 4.8 | 5.2 |
| georgia | 2,290.6 | 2,348.2 | 2,312.6 | 123.5 | 119.0 | 117.1 | 5.4 | 5.1 | 5.1 |
| Albany | 47.7 | 49.7 | 49.3 | 2.7 | 3.0 | 2.8 | 5.7 | 6.0 | 5.7 |
| Atlanta | 921.6 | 951.3 | 935.2 | 47.3 | 44.1 | 43.9 | 5.1 | 4.6 | 4.7 |
| Augusta | 119.8 | 121.9 | 121.0 | 6.7 | 6.2 | 6.5 | 5.6 | 5.1 | 5.4 |
| Columbus' | 84.1 | 85.0 | 84.3 | 5.6 | 5.5 | 5.5 | 6.7 | 6.5 | 6.5 |
| Macon | 97.1 | 97.4 | 95.5 | 5.8 | 4.9 | 4.5 | 6.0 | 5.1 | 4.8 |
| Savannah | 87.8 | 85.9 | 85.3 | 5.3 | 4.7 | 4.4 | 6.1 | 5.4 | 5.1 |

Sae footnotes at end of table.

E-1. Labor force and unemployment by 8tate and selected metropolitan areas-Continued


Soe footnotes at and of table.

E-1. Leber force and unemployment by State and selected metropolitan areas - Continued

| Srume and aroes | Lebor force |  |  | Unemployment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Numbar |  |  | Percent of labor force |  |  |
|  | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 19 \mathrm{AOP} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN. } \\ & 1980 \text { ค } \end{aligned}$ |
| MICHIGAN-Comimued |  |  |  |  |  |  |  |  |  |
| Battie Creek ......... | 79.9 | 79.0 | 78.8 | 6.0 | 5.7 | 6.6 | 7.5 | 7.2 | 8.4 |
| Bay City | 50.6 | 52.1 | 52.0 | 3.9 | 5.0 | 6.2 | 7.6 | 9.6 | 12.0 |
| Detroit .. | 2,032.0 | 2.063 .9 | 2.026.4 | 150.8 | 184.9 | 214.7 | 7.4 | 9.0 | 10.6 |
| Flint .... | 221.0 | 224.0 | 224.4 | 19.9 | 20.3 | 29.6 | 9.0 | 9.0 | 13.2 |
| Grand Rapids | 301.8 | 310.2 | 303.9 | 18.4 | 17.2 | 19.5 | 6.1 | 5.6 | 6.4 |
| Jackson... | 67.2 | 67.9 | 67.5 | 4.7 | 5.1 | 6.0 | 7.0 | 7.5 | 8.9 |
| Kalamazoo-Portage | 130.6 | 134.7 | 133.4 | 8.7 | 7.4 | 8.6 | 6.7 | 5.5 | 6.4 |
| Lansing-East Lemsing | 229.7 | 236.3 | 236.3 | 15.6 | 14.6 | 20.4 | 6.8 | 6.2 | 8.6 |
| Muskegon-Norton Shores-Muskegon Heights | 74.9 | 75.0 | 75.4 | 7.5 | 6.6 | 8.0 | 10.0 | 8.8 | 10.6 |
| Saginaw .................... | 102.3 | 103.9 | 103.0 | 7.2 | 10.1 | 11.4 | 7.0 | 9.7 | 11.0 |
| MINNESOTA | 1.979 .3 | 2,078.7 | $N$, A. | 101.3 | 101.6 | N.A. | 5.1 | 4.9 | $N . A$. |
| Duluth-Superior ${ }^{1}$ | 115.1 | N.A. | $N$ N, $A$. | 7.4 | N.A. | N.A. | 6.4 | N.A. | $N, A$. |
| Minneapolis-St. Paul | 1.070.8 | 1,126.4 | N,A. | 40.0 | 41.7 | N.A. | 3.7 | 3.7 | $N . A$. |
| MISSISSIPPI | 955.4 | 984.0 | 978.7 | 65.7 | 61.1 | 66.7 | 6.9 | 6.2 | 6.8 |
| Jackson | 140.6 | 148.9 | 147.3 | 6.5 | 5.9 | 6.4 | 4.6 | 4.0 | 4.4 |
| missouri | 2,230.9 | 2.297.8 | 2.229.1 | 129.2 | 110.4 | 142.6 | 5.8 | 4.8 | 6.4 |
| ${ }^{\text {Kansas Citr }}{ }^{1}$ | 679.2 | 698,8 | 679.3 | 33.1 | 30.0 | 35.1 | 4.9 | 4.3 | 5.2 |
| St. Joseph | 43.6 | 44.7 | 43.3 | 2.6 | 2.6 | 3.0 | 6.0 | 5.8 | 7.0 |
| St. Louis ${ }^{1}$ | N.A. | N.A. | N.A. | N.A. | N.A. | N. ${ }^{\text {a }}$. | N.A. | N, A. | $N . A$. |
| Springfield | 100.1 | 104.7 | 101.4 | 4.9 | 4.2 | 5.2 | 4.9 | 4.0 | 5.2 |
| montana | 348.9 | 364.3 | 349.0 | 28.0 | 19.0 | 26.3 | 8.0 | 5.2 | 7.5 |
| Billings ... | 53.2 | 56.1 | 55.6 | 3.2 | 2.1 | 3.1 | 6.1 | 3.7 | 5.5 |
| Great Falls | 33.5 | 33.1 | 32.6 | 3.1 | 1.9 | 2.7 | 9.3 | 5.6 | 8.2 |
| nebraska | 740.2 | 764.4 | N, A. | 27.7 | 28.4 | N,A. | 3.7 | 3.7 | N.A. |
| Lincoin | 107.6 | 114.3 | $N_{0} A_{0}$ | 3.4 | 3.7 | N.A. | $3 . ?$ | 3.2 | $\mathrm{N} . \mathrm{A}_{\text {. }}$ |
| Omaha ${ }^{1}$ | 273.2 | 281.0 | $N$, A. | 12.3 | 12.8 | N,A. | 4.5 | 4.6 | N,A. |
| nevada | 340.3 | 365.8 | 363.0 | 17.6 | 18.4 | 22.0 | 5.2 | 5.0 | 6.1 |
| Las Vegas | 188.2 | 200.9 | 200.5 | 9.7 | 11.0 | 12.6 | 5.2 | 5.5 | 6.3 |
| Reno. | 98.1 | 108.3 | 106.6 | 4.2 | 4.5 | 5.7 | 4.3 | 4.2 | 5.4 |
| NEW HAMPSHIPE | 428.3 | 449.4 | $\mathrm{N}_{0} A_{0}$ | 14.8 | 17.7 | $\mathrm{N}_{\mathrm{N}} \mathrm{A}^{\text {a }}$ | 3.5 | 3.9 | $N . A$. |
| Manchester | 77.3 67.8 | 81.6 | $N_{0} A_{\text {a }}$. | 2.9 | 3.5 | N.A. | 3.7 | 4.3 | N.A. |
| Nashue | 67.8 | 73.8 | NoA. | 2.3 | 2.5 | $N, A$. | 3.4 | 3.4 | N.A. |
| new Jersey . | 3.505.1 | 3,590.4 | 3,570.4 | 261.9 | 214.3 | 258.1 | 7.5 | 6.0 | 7.2 |
| Atlantic City | 85.8 | 99.7 | 100.0 | 10.2 | 8.1 | 10.6 | 11.9 | 8.1 | 10.6 |
| Jersey City | 252.7 | 252.2 | 250.3 | 28.7 | 22.2 | 25.9 | 11.3 | 8.8 | 10.4 |
| Long Branch-Asbury Park | 222.6 | 226.4 | 223.6 | 19.7 | 15.7 | 18.7 | 8.8 | 6.9 | 8.4 |
| Newark. | 955.0 | 978.6 | 978.4 | 63.7 | 53.6 | 65.4 | 6.7 | 5.5 | 6.7 |
| New Brunswick-Perth Amboy-Seyreville | 321.5 | 332.1 | 328.3 | 18.4 | 15.7 | 19.6 | 5.7 | 4.7 | 6.0 |
| Paterson-Clitton-Passaic | 220.2 | 219.7 | 220.2 | 19.4 | 17.0 | 19.4 | 8.8 | 7.7 | 8.8 |
| Trenton | 159.8 | 162.2 | 165.5 | 9.7 | 7.4 | 10.6 | 6.0 | 4.5 | 6.4 |
| Vineland-Millville-Bridgeton | 61.6 | 61.6 | 63.3 | 7.5 | 5.8 | 6.6 | 12.2 | 9.5 | 10.4 |
| NEW mexico | 516.4 | 544.7 | 542.6 | 36.0 | 36.2 | 45.9 | 7.0 | 6.6 | 8.5 |
| Albuquerque | 195.7 | 205.9 | 205.8 | 12.6 | 13.5 | 17.3 | 6.4 | 6.5 | 8.4 |
| NEW YOAK ${ }^{2}$. ....... ${ }^{\text {a }}$ | 7.980.1 | 8.110 .9 | 8.048 .7 | 617.2 | 565.1 | 673.2 | 7.7 | 7.0 | 8.4 |
| Albany-Schenectady-Troy | 381.5 | 387.9 | 385.0 | 24.0 | 23.8 | 26.3 | 6.3 | 6.1 | 6.8 |
| Binghamton ${ }^{1}$....... | N.A. | N.A. | 140.8 | N.A. | N.A. | 8.8 | N.A. | N.A. | 6.3 |
| Buffalo <br> Elmira | 584.5 | 601.1 | 597.1 | 4.7 .1 | 53.8 | 63.9 | 8.1 | 9.0 | 10.7 |
| Elimira ${ }^{\text {Nassau_Suffolk }}$ | 41.1 1.292 .8 | - 41.4 | 41.1 | 2.9 | 3.0 | 3.6 | 7.0 | 7.2 | 8.7 |
| New York | 3.292.8 | 1.327.4 | 1.313.8 | 89.2 300.2 | 83.6 245.3 | 92.2 312.5 | 6.9 8.3 | 6.3 | 7.0 8.6 |
| New York City ${ }^{2}$ | 3.013.0 | 3,007.0 | 3,004.0 | 265.0 | 216.0 | 280.0 | 8.8 | 7.2 | 9.3 |
| Poughkeepsie | 106.8 | 109.0 | 108.8 | 5.9 | 5.7 | 6.5 | 5.5 | 5.3 | 5.9 |
| Rochester | 471.7 | 485.0 | 479.7 | 27.5 | 29.1 | 33.2 | 5.8 | 6.0 | 6.9 |
| Syracuse ... | 308.1 | 316.9 | 311.5 | 20.1 | 21.4 | 24.5 | 6.5 | 6.7 | 7.9 |
| Utica-Rome | 138.6 | 141.4 | 140.1 | 10.0 | 10.3 | 11.4 | 7.2 | 7.2 | 8.2 |
| NORTH CAROLINA | 2,637.5 | 2,701.4 | 2,691.1 | 129.6 | 129.5 | 158.0 | 4.9 | 4.8 | 5.9 |
| Asheville ...... | 81.4 | 83.0 | 81.4 | 3.7 | 3.4 | 4.0 | 4.5 | $4 \cdot 1$ | 4.9 |
| Charlotte-Gastonia | 338.4 | 342.9 | 340.1 | 13.8 | 12.2 | 14.8 | 4.1 | 3.5 | 4.4 |

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

| Sterte snd area | Labor force |  |  | Unemployment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Number |  |  | Percemt of habor force |  |  |
|  | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | JAN. 1980 P | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & \text { lasop } \end{aligned}$ | $\begin{array}{\|l\|l\|} \text { JAN. } \\ 1979 \end{array}$ | $\begin{aligned} & \text { OEC. } \\ & 1979 \end{aligned}$ | JAN. 1980 P |
| NORTH CAROLINA-COMtinued Greensboro-Winaton-Solem-High Point Raloigh-Durham |  |  |  |  |  |  |  |  |  |
|  | 416.9 | 424.5 | 423.6 | 18.5 | 17.0 | 23.0 | 4.4 | 4.0 | 5.4 |
|  | 277.5 | 293.5 | 294.0 | 8.4 | 9.6 | 13.0 | 3.0 | 3.3 | 4.4 |
| NORTH DAKOta | 273.7 | 286.9 | 282.4 | 16.7 | 11.3 | 15.7 | 6.1 | 3.9 | 5.6 |
| Farco-Moorehead ${ }^{1}$ | 67.6 | 70.1 | N.A. | 3.3 | 2.8 | $N$.A. | 4.9 | 4.0 | $N$.A. |
| OHiO ${ }^{2}$. | 4.982 .3 | 5.082 .0 | 4,994.0 | 330.1 | 266.5 | 349.0 | 6.6 | 5.2 | 7.0 |
| Akron | $\mathrm{N}_{0} \mathrm{~A}_{\text {. }}$ | N.A. | 304.5 | N.A. | No. ${ }_{\text {a }}$ | 22.6 | N.A. | N.A. | 7.4 |
| Conton. | $\mathrm{N}, \mathrm{A}_{\text {. }}$ | $N . A_{\text {a }}$ | 184.2 | $N$ ¢ A. | $N_{0} A_{\text {c }}$. | 12.8 | $N, A$. | $N$, A. | 6.9 |
| Cincinnat ${ }^{1}$ | N.A. | $\mathrm{N}, \mathrm{A}_{\text {. }}$ | N.A. | $N$, A. | NoA. | $N$ N. ${ }^{\text {a }}$ | $N, A$. | $N$, $A_{\text {a }}$. | $\mathrm{N}, \mathrm{A}$. |
| Cleveland | N.A. | N.A. | 923.5 | $N$ N, ${ }_{\text {a }}$. | $N$, ${ }^{\text {a }}$. | 52.3 | $N$, $A$. | $N_{0} A_{\text {a }}$, | 5.7 |
| Columbus | N.A. | N.A. | 535.3 | N.A. | NoA. | 25.5 | $N$, A. | N.A. | 4.8 |
| Daytor: | N.A. | $\mathrm{N}, \mathrm{A}_{\text {. }}$ | 386.0 | $N$, A. | N.A. | 24.8 | $N$, $A$. | N.A. | 6.4 |
| Toledo ${ }^{2}$ | $\mathrm{N}_{0} \mathrm{~A}_{\text {. }}$ | $N$, A. | 368.5 | $N$, A. | $N$, $A_{\text {。 }}$ | 33.6 | $N, A$. | $N_{0} A_{\text {a }}$. | 9.1 |
| Youngsto vn-Warren | N.A. | N.A. | 236.5 | N,A. | N.A. | 21.8 | $N . A$. | N, A. | 9.2 |
| OKLAHOMA | 1,237.4 | $1.301 . \mathrm{A}$ | 1,296.4 | 52.1 | 45.8 | 47.8 | 4.2 | 3.5 | 3.7 |
| Oklahnena City | 375.7 | 401.8 | 401.3 | 14.7 | 12.1 | 12.9 | 3.9 | 3.0 | 3.2 |
| Tulse | 298.4 | 312.7 | 310.8 | 12.4 | 11.3 | 11.5 | 4.2 | 3.6 | 3.7 |
| Oregon | 1.189.0 | 1,229.3 | N.A. | 98.2 | 93.4 | $N$, A. | 8.3 | 7.6 | $N$, A. |
| Eugene-Soringtield | 124.3 | 126.1 | N.A. | 11.5 | 11.2 | $N$, A. | 9.3 | 8.9 | $N$, A. |
| Portland ${ }^{1}$ | 576.8 | 600.7 | N.A. | 37.0 | 33.6 | $N$ N.A. | 6.4 | 5.6 |  |
| Salem | 109.1 | 115.8 | NoA. | 8.3 | 8.9 | N.A. | 7.6 | 7.7 | $N . A$. |
| Pennsylvania ${ }^{2} \ldots \ldots \ldots \ldots$ | 5.272.7 | 5,331.4 | 5.3'31.5 | 375.8 | 353.6 | 413.7 | 7.1 | 6.6 | $7.8{ }^{\circ}$ |
|  | N.A. | $\mathrm{N},^{4} \cdot$ | 302.3 | $\mathrm{N},^{\text {A }}$ | N, A. | 21.6 | N.A. | N.A. | 7.1 |
| Altoons | 57.3 | 59.0 | 59.5 | 5.2 | 5.0 | 5.7 | 9.0 | 8.4 | 9.6 |
| Harrisburg | 216.8 | 125.9 215.8 | 126.0 | 12.0 | 10.0 | 10.6 13.2 | 7.6 5.5 | 7.5 4.6 | 8.4 |
| Johnstown | 108.5 | 109.3 | 111.3 | 10.0 | 9.8 | 11.4 | 9.2 | 8.9 | 6.1 10.2 |
| Lencaster | 175.1 | 176.3 | 176.4 | 8.4 | 7.4 | 9.1 | 4.2 | 4.9 | 10.2 5.2 |
| Northeart Pennsylvanio | 282.4 | 286.0 | 287.4 | 26.3 | 26.4 | 29.9 | 9.3 | 9.2 | 10.4 |
| Philladelphia | N.A. | N.A. | 2.121 .3 | N.A. | N.A. | 137.4 | N.A. | N.A. | 6.5 |
| Pritsburgh . | 1.007.5 | 1.013.1 | 1.015.2 | 63.6 | 57.9 | 75.3 | 6.3 | 5.7 | 7.4 |
| Reading ... | 148.5 | 153.5 | 154.9 | 8.1 | 8.0 | 10.3 | 5.4 | 5.2 | 6.7 |
| Willismsport | 52.7 | 52.5 | 52.3 | 4.5 | 5.8 | 6.3 | 8.4 | 11.0 | 12.0 |
|  | 171.1 | 173.3 | 175.4 | 9.0 | 8.6 | 12.3 | 5.3 | 5.0 | 7.0 |
| AHODE ISLAND | 438.3 | 452.1 | 459.4 | 32.0 | 29.7 | 35.0 | 7.3 | 6.6 | 7.6 |
| Providence-Worwick-Pawtucket ${ }^{1}$ | N.A. | N.A. | N.A. | N.A. | N.A. | $N$, A. | N.A. | N, A. | N.A. |
| SOUTH CAROLINA | 1,261.5 | 1,307.4 | 1,285.4 | 66.0 | 64.5 | 75.0 | 5.2 | 4.9 | 5.8 |
| Charieston-North Charleston | 148.3 | 155.1 | 152.2 | 7.9 | 7.4 | 8.7 | 5.3 | 4.8 | 5.7 |
| Columbia ...... | 168.5 | 177.2 | 172.4 | 6.4 | 6.6 | 7.1 | 3.8 | 3.7 | 4.1 |
| Greenville-Spartanburg | .254.5 | 263.9 | 258.1 | 9.9 | 10.5 | 11.9 | 3.9 | 4.0 | 4.6 |
| SOUTH DAKOtA | 313.5 | 327.0 | 319.2 | 15.5 | 12.6 | 15.9 | 5.0 | 3.9 | 5.0 |
| Sloux falls | 61.0 | 60.7 | 61.0 | 2.6 | 2.0 | 2.9 | 4.3 | 3.3 | 4.7 |
| tennessee | 1.925.0 | 1.993 .7 | 1.962.0 | 139.0 | 122.6 | 139.2 | 7.2 | 6.2 | 7.1 |
| Chatranooge ${ }^{1}$ | 190.7 | 195.5 | 193.7 | 11.5 | 12.2 | 13.5 | 6.0 | 6.3 | 7.0 |
| Knoxville | 201.7 | 205.8 | 203.4 | 11.1 | 10.2 | 12.4 | 5.5 | 5.0 | 6.1 |
| Memphis ${ }^{\text {² }}$ | 373.6 | 388.8 | 379.2 | 25.0 | 21.6 | 22.2 | 6.7 | 5.6 | 5.9 |
| Nashville-Davidson | 391.8 | 415.1 | 408.4 | 18.9 | 20.1 | 21.3 | 4.8 | 4.8 | 5.2 |
| TEXAs ${ }^{2}$ | 6,126.6 | 6,327.4 | 6,345.5 | 270.9 | 225.5 | 327.2 | 4.4 | 3.6 | 5.2 |
| Amarillo | 86.6 | 90.1 | 89.2 | 3.5 | 2.3 | 3.4 | 4.0 | 2.5 | 3.9 |
| Austin . ............... | 238.5 | 249.6 | 250.1 | 7.3 | 6.4 | 9.6 | 3.1 | 2.6 | 3.8 |
| Besumont-Port Arthur-Orange | 162.9 | 163.0 | 161.7 | 10.6 | 7.2 | 11.8 | 6.5 | 4.4 | 7.3 |
| Corpus Chrini .... | 135.5 | 140.4 | 143.0 | 6.3 | 5.7 | 8.7 | 4.6 | 4.1 | 6.1 |
| Dallss-Fort Worth | 1,466.2 | \%.521.1 | 1.508.5 | 54.6 | 52.2 | 63.1 | 3.7 | 3.4 | 4.2 |
| El Paso ........... | 166.6 | 170.0 | 171.9 | 12.8 | 11.0 | 15.7 | 7.7 | 6.5 | 9.1 |
| Galveston-Texas City | 78.9 1.387 .4 | 80.6 7.447 .4 | 81.3 1.459 .7 | $\begin{array}{r}14.4 \\ \hline 47.6\end{array}$ | 3.1 | 5.3 61.3 | 5.5 | 3.8 2.6 | 6.5 |
| Lubbock | 1088.9 | 103.6 | 102.6 | 1.6 3.5 | 37.7 2.6 | 6.3 4.3 | 3.4 3.5 | 2.6 2.5 | 4.2 4.1 |
| Sen Antonio | 400.8 | 413.9 | 418.3 | 22.1 | 17.6 | 26.5 | 5.5 | 4.3 | 6.3 |
| Weco .. | 76.4 | 79.2 | 79.2 | 3.1 | 2.4 | 3.8 | 4.1 | 3.9 | 4.8 |
| Wichita Falls | 58.7 | 60.0 | 60.2 | 2.1 | 1.5 | 2.2 | 3.7 | 2.4 | 3.6 |

Soe footnotes at end of table.

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

| State and arma | Labor force |  |  | Unemployment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Number |  |  | Percent of mbor force |  |  |
|  | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | JAN. <br> 1980 P | $\begin{aligned} & \text { JAN. } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \mathrm{JAN} \\ & 1980 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { JAN } \\ & 1979 \end{aligned}$ | $\begin{aligned} & \text { DEC } \\ & 1979 \end{aligned}$ | JAN. <br> 1980 P |
| UTAH . . . . . . . . . . . Salt Lake City-Ogden | 550.8 366.9 | 598.0 399.5 | 591.0 395.6 | 26.9 16.7 | 25.8 17.0 | 35.2 21.7 | 4.9 4.6 | 4.3 4.3 | 6.0 5.5 |
| VERMONT | 235.3 | 245.0 | 239.6 | 14.3 | 12.8 | 15.7 | 6.1 | 5.2 | 6.5 |
| Virginia | 2.431.4 | 2.496 .0 | 2.476.5 | 133.1 | 125.0 | 134.1 | 5.5 | 5.0 | 5.4 |
| Lynehburg | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | $N . A$. |
| Newport News-Hampton | N.A. | N.A. | N,A. | N.A. | N,A. | $N, A$. | $N . A$. | $N, A$. | $N . A$, |
| Norfolk-Virginia Besch-Portsmouth ${ }^{1}$ | N.A. | N.A. | N, A. | N,A. | N.A. | N,A. | $N . A$. | N, A. | N.A. |
| Petersburg-Colonial Heights-Hopowell | $N$, A. | N.A. | N,A. | N, A. | N,A. | N.A. | N.A. | N.A. | N.A. |
| Aichmond | N.A. | N, $A_{\text {a }}$. | N.A. | N.A. | N.A. | N.A. | N.A. | N, A. | N.A. |
| Roanoke | N.A. | N.A. | N.A. | N,A. | N, A. | $N$, A. | N,A. | N.A. | $N . A$. |
| WASHINGTON | 1.795.6 | 1.917.1 | 1.932.0 | 145.9 | 149.6 | 183.日 | 8.1 | 7.3 | 9.5 |
| Seattle-Everett | 789.9 | 855.9 | 855.6 | 45.3 | 47.7 | 57.7 | 5.7 | 5.6 | 6.7 |
| Spokane | 136.3 | 153.5 | 153.7 | 11.7 | 11.6 | 15.1 | 8.6 | 7.5 | 9.8 |
| Treoma | 169.5 | 176.7 | 179.1 | 13.7 | 14.1 | 17.9 | B. 1 | 8.0 | 10.0 |
| WEST VIRGINIA | 727.4 | 767.0 | N.A. | 62.8 | 56.5 | N.A. | B.6 | 7.4 | N.A. |
| Charleston | N.A. | N.A. | $N . A$. | N.A. | N. A. | N.A. | N.A. | N.A. | N.A. |
| Huntington-Ashland ${ }^{1}$ | N.A. | N.A. | N.A. | N,A. | N.A. | N,A. | N.A. | NoA. | N.A. |
| Parkersburg-Marietta ${ }^{1}$ | N,A. | $N$, A. | N.A. | N.A. | N.A. | N,A. | N.A. | N.A. | N.A. |
| Wheeling' . . . . . | N.A. | N*A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| WISCONSIN .... | 2.283.7 | 2,420.4 | 2.377.5 | 129.0 | 119.3 | 130.4 | 5.7 | 4.9 | 5.5 |
| AppletonOshkoth | 143.1 | $N . A$. | 152.7 | 7.7 | N:A: | 7.6 | 5.4 | N.A. | 5.0 |
| Eau Claire | 54.7 | N.A. | 56.8 | 3.6 | N.A. | 4.2 | 6.7 | $N .4$. | 7.4 |
| Green Bay | 85.8 | N.A. | 88.2 | 5.4 | N.A. | 5.1 | 6.3 | N.A. | 5.7 |
| Kenosha | 56.3 | N.A. | 63.2 | 6.4 | N.A. | 2.7 | 11.3 | N.A. | 4.3 |
| Le Crosse | 44.3 | N.A. | 46.2 | 2.4 | $N_{*} A_{\text {a }}$, | 2.3 | 5.4 | $N_{0} A_{0}$ | 5.0 |
| Madison | 170.7 | N.A. | 179.8 | 7.2 | N.A. | 7.0 | 4.2 | N.A. | 3.9 |
| Milwaukee . | 705.7 | N.A. | 729.4 | 31.0 | N.A. | 31.2 | 4.4 | N.A. | 4.3 |
| Racine | 66.5 | N.A. | 88.2 | 4.9 | N.A. | 4.0 | 5.7 | N.A. | 4.6 |
| WYOMING | 204.0 | 226.6 | 221.7 | 7.7 | 7.3 | 9.4 | 3.8 | 3.2 | 4.2 |

I Includes intarstate portion of ares located in edjacent State.
${ }^{2}$ Date ara obtained directly from the Current Population Survey. (See "Explanstory Notes" for State and Area Unemployment Date in Employment and Earnings, monthly.)

NOTE: Estimates for 1979 have been benchmarked to 1979 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1880 are pro-
visional and will be revised when now benchmark information becomes available. Data rafer to place of residence.
pepreliminary.
N.A. $=$ not avaijable.
SOURCE: Current Population Survey and Cooperating Suate Employment Security Agencies listed on inside back cover.

[^19]
## Explanatory Notes

## Introduction

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

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

Data based on establishment records are obtained each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12 th day of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

## RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas employer characteristics such as detailed industrial classifications can be reliably derived only from establishment reports.
Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

## Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural in-
dustries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

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

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

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

## Hours of work

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

## COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers
who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services and religious organizations, self-employed and unpald 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 unempioyment, see "Measuring Total and State Insured Unemployment" by Gloria P. Oreen in the June 1971 issue of the Monthly Labor Review. Reprints of this article may be obtained upon request.

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

## COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER 8ERIES

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

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

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

## Household data (A tables)

## COLLECTION AND COVERAGE

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

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are Interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12 th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.
Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are
included as part of the categories "total noninstitutional population" and "total labor force," are, however, obtained from the Department of Defense.
Each month, 65,000 occupied units are eligible for interview. About 2,800 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 65,000 occupied units, there are 12,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000 houscholds in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.
Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.

## CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.
Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.
Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.
Excluded are persons whose only activity consisted of work around the house (such as home housework, and palnting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.
Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a fulltime job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.
Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4 -week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.
The unemployment rate represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, occupation, industry, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian
labor force; the sum of the rates for the four groups thus equals the total unemployment rate.
Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often crossclassified by other demographic characteristics such as race and educational attainment.
Employment-population ratios represent the proportion of the noninstitutional population that is employed.
Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.
For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.
Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest mumber of hours during the survey week. The unemployed are classiried according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

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

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

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

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

Full- and part-time labor force. The full-time labor force consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The part-time labor force consists of persons working part time voluntarily and unemployed persons seeking parttime work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.
Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.
Race. White and "black and other" are terms used to describe the race of workers. The "black and other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Alaskan Natives, and Asian and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

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

Major activity: going to school and major activity: other are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16-21 yearolds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.
Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.
Nonveterans are males who never served in the Armed Forces.
Poverty areas classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.
The metropolitan areas classification consists of the total of all areas encompassed by. Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of

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

## HISTORIC COMPARABILITY

## Ralsed lower age limit

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

## Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000 ; labor force, total employment, and agricultural employment by about 350,000 , primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000 , labor force and employment by about 200,000 ; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000 , and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000 , and the black and other labor force rose by about 210,000 . Unemployment levels and rates were not significantly affected.
Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20-24 year-old males-particularly those of the black and other population-but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of Employment and Earnings.
Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by $76,000-30,000$ males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.
Beginning in 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indica-
tion of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of Employment and Earnings.
Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group housebolds, rather than determined by the interviewer as before. The purpose of this change is to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the houschold respondent and seven-eighths of the sample houscholds had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. Although any impact of this change is still unknown, it is possible that it has caused a break in the time series for some racial statistics.
Beginning in 1979, the first stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the Estimating Methods section. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey beginning in January 1979'' in the February 1979 isule of Employment and Earnings. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan eatimates, not for the total U.S.

## Changes in the cooupational olaselifioation syatem

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

An additional major group was created by spilting the operatives category into two: Operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.
Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question elleding information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational ahifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational leveis cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negliglble impact on unempioyment rates.

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

## Changes in ample deelgn

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.
One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for eight months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a non-contiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Çolumbla and deslgned to provlde more reliable annual average estimates for States, was incorporated with the existing design. A coverage improvement sample composed of approximately 450 sample household units whlch represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates beginning in October 1978 in order to provide coverage of moblle homes and new construction housing units that previously had no chance for selection in the CPS sample. A recent change was introduced in January 1980, when another supplemental sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.
The following table provides a descriptlon of some aspects of the CPS sample design in use during the referenced data collection periods. For a more detalled account of the history of the CPS sample design, see The Current Populatlon Survey: Design and Methodology, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or Concepts and Methods used in Labor Force Statistics Dertved from the Current Population Survey, BLS Report 463.

## ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become avallable simultaneously and are based on returns from the entire panel of respondents. There are not subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.
The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

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

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

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

2 These are housing units which wers visited, but were found
to be vacant or otherwise not eligible for interview.
3 Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.
black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, etc.
2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:
a. First-stage ratio estimate. In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South and West), and secondly, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.
b. Second-stage ratio estimate. In this stage, the sample proportion in the categories described below are adjusted to the distribution of independent current estimates of the population in the same categories. The second-stage ratio estimate is done in order to increase the reliability of the estimates and is done in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and
over for the State. The second step involves "nonwhite" persons only, and is an adjustment to independent estimates of 40 age-sex-race categories across the whole Nation. (The race categories used are black and other minority races.) The third adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of national age-sexrace categories, will be virtually equal to the independent population estimates.
The independent controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1 , 1970 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in Current Population Reports, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.
3. Composite estimate procedure. In deriving statistics for a given month, a composite estimating procedure is used which takes account
of net changes from the previous month for continuing parts of the sample ( 75 percent) as well as the sample results for the current month. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels are also improved, but to a lesser extent.

## Rounding of estlmates

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

## Rellabillty of the eatimates

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

Nonsampling errors. The full extent of nonsampling error is unknown, but special studies have been conducted to qualify some sources of nonsampling error in the CPS as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.
Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls us-
ed have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

Additional information on nonsampling error in the CPS appears in the paper, "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in the paper "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, Annals of Economic and Social Measurement, Vol. 2, April 1973; and in The Current Population Survey, Design and Methodology, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive and up-to-date discussion of various sources of errors, and describes attempts to meaure them in the CPS.
Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enables one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estmate to 1.6 standard errors above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.
In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. First, the standard errors in this report reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Secondly, instead of computing an individual standard error for each estimate, generalized sets of standard errors were computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard of an estimate rather than the precise standard error.
Tables A and B show approximate standard errors for major employment status characteristics for both monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.
Tables C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables $\mathrm{C}, \mathrm{E}, \mathrm{G}$ and H to compute approximate standard errors, as described below, for levels, labor force participation rates,
and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-1966 period they should by multiplied by 1.22 .

Table A. Standard errors of major employment status categories

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

Standard errors for estimated totals. Tables C and D provide generalized standard errors for monthly totals and for month-tomonth change. The figures given in these tables are to be used for the characteristics as indicated.
Illustration. Assume that the tables showed that the number of persons working a specific number of hours was $12,000,000$, an increase of 400,000 over the previous month. Linear interpolation in the second column of table C shows that the standard error on an estimate
of $12,000,000$ is about 150,000 . The 68 percent confidence interval as shown by these data is from $11,850,000$ to $12,150,000$. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in column one of table D the standard error on a month-to-month change of 400,000 when the monthly level is approximately $12,000,000$ is about 111,000 .
Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000 or the annual average base is less than 35,000 .

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

Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentages can be obtained through 'the use of the standard errors in table $G$ and the factors in table H . First obtain the standard error from table G for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table $G$ by the appropriate factor from table $\mathbf{H}$. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.
Illustration. For example, assume that the tables show that 3.6 percent of a total of $90,771,000$ employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of $90,771,000$ is obtained from table $\mathbf{G}(0.09$ percentage point). The appropriate factor from table H for the numerator of the percentage, agricultural employment, is $\mathbf{1 . 2 6}$. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26=0.1$ percentage point.
Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. The approximate standard errors of levels, rates and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages may be obtained by using table I in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate or percentage, or an estimate of a change in level, rate or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate or percentage, find the standard error of this estimate. For an estimate of change in level, rate or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table I to obtain the approximate standard error for the average or change.
Illustration. For an example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that the tables show that for a certain month the unemployment rate is 6.9 percent based on a total of $95,676,000$ in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of $94,254,000$ in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base of $94,965,000$, is obtained from table $\mathrm{E}(0.11$ percentage point). The appropriate factor then from table I is 1.40 . The approximate standard error on the change of 0.8 percentage point is then given by $0.11 \times \mathrm{I} .40=0.15$ percentage point.

Table B. Standard errors of unemployment rates for major characteristics

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

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

| Estimated monthly level | Characteristics ${ }^{1}$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agricultural employment | Labor force data other than unemployment and agricultural employment data |  |  |  |  |  | Unemployment |  |
|  |  | Total or white | Black and other | Total or white, 16-19 years | Black and other, 16.19 years | Total or white males only, or females only | Black and other males only, or females only | Total or white | Black and other |
| 50. | 13 | 10 | 10 | 10 | 10 | 9 | 9 | 10 | 11 |
| 100 | 18 | 14 | 14 | 14 | 14 | 13 | 13 | 14 | 15 |
| 500 | 41 | 32 | 32 | 32 | 28 | 30 | 29 | 31 | 33 |
| 1,000. | 57 | 45 | 44 | 44 | 33 | 42 | 40 | 44 | 46 |
| 2,000. | 81 | 64 | 60 | 60 | 13 | 59 | 52 | 62 | 63 |
| 4,000 | 113 | 90 | 79 | 77 | - | 82 | 60 | 87 | 83 |
| 6,000 | 137 | 109 | 88 | 84 | - | 99 | 53 | 106 | 93 |
| 8,000. | - | 125 | 90 | 84 | - | 113 | 16 | 122 | - |
| 10,000.. | - | 139 | 87 | 76 | - | 124 | - | 135 | - |
| 15,000 . . . | - | 166 | 36 | - | - | 146 | - | 163 | - |
| 20,006 . . | - | 188 | - | - | - | 161 | - | 182 | - |
| 30,000 . . . . | - | 219 | - | - | - | 177 | - | - | - |
| 40,000 . . . . | - | 249 | - | - | - | 178 | - | - | - |
| 50,000 . . | - | 253 | - | - | - | 164 | - | - | - |
| 60,000 . . . . | - | 260 | - | - | - | 131 | - | - | - |
| 70,000 . . . | - | 260 | - | - | - | 49 | - | - | - |
| 80,000 . . | - | 254 | - | - | - | - | - | - | - |
| 100,000 . . . | - | 221 | - | - | - | - | - | - | - |
| 120,000 ... | - | 143 | - | - | - | - | - | - | - |

[^20]Table D. Standard errors for estimates of month-to-month change
(In thousands)

| Estimated monthly lovol | Type of characteristic ${ }^{1}$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Labor force data other than unemployment and agriculture employment data |  |  |  |  |  |  |  |
|  | Total or white | Black and other | Total, or white, 16.19 years | Black and other, $16-19$ years | Unamployment |  |  |  |
|  |  |  |  |  | Total or white | Both saxes 16-19 years, or part-time labor force ${ }^{2}$ | Black and other | Black and other, 16.19 years |
| 50 | 8 | 8 | 12 | 12 | 11 | 12 | 12 | 12 |
| 100 ................... | 11 | 11 | 17 | 17 | 16 | 17 | 16 | 17 |
| 500 .................... | 24 | 23 | 37 | 33 | 35 | 39 | 36 | 34 |
| 1,000 . . . . . . . . . . . . . . | 34 | 33 | 52 | 37 | 48 | 55 | 49 | 39 |
| 2,000 . . . . . . . . . . . . . . | 47 | 45 | 70 | - | 68 | 77 | 65 | - |
| 4,000 . . . . . . . . . . . . . . . | 66 | 58 | 89 | - | 93 | 107 | 80 | - |
| 6,000 . . . . . . . . . . . . . . . | 81 | 65 | 96 | - | 110 | 129 | - | - |
| 8,000 . . . . . . . . . . . . . . . | 93 | 68 | 93 | - | 123 | 147 | - | - |
| 10,000 . . . . . . . . . . . . . . . | 103 | 65 | 78 | - | 132 | 162 | - | - |
| 15,000 . . . . . . . . . . . . . . | 123 | 33 | - | - | 145 | 191 | - | - |
| 20,000 . . . . . . . . . . . . . . . | 130 | - | - | - | 146 | 211 | - | - |
| 30,000 . . . . . . . . . . . . . . . | 163 | - | - | - . | - | - | - | - |
| 40,000 ................ | 179 | - | - | - | - | - | - | - |
| 60,000 . . . . . . . . . . . . . . | 189 | - | - | - | - | - | - | - |
| 60,000 . . . . . . . . . . . . . . . | 194 | - | - | - | - | - | - | - |
| 70,000 ................. | 195 | - | - | - | - | - | - | - |
| 80,000 . . . . . . . . . . . . . . | 191 | - | - | - | - | - | - | - |
| 100,000 ............... | 179 | - | - | - | - | - | - | - |
| 120,000 . . . . . . . . . . . . . . | 119 | - | - | - | - | - | - | - |
| $\begin{array}{ll}{ }^{1} & \text { Soe footnote 1, teble C. } \\ 2 \text { Part-time labor force for unémployment also includes parsons }\end{array}$ |  |  |  | reentering the lebor force, persons who left their last job, and persons by duration of unemployment. |  |  |  |  |

Table E. Standard errors of unemployment rates

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

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

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

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

| Monthly base of percentages (In thousands) | Percentage of monthly level |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\stackrel{1}{\text { or } 99}$ | $\begin{gathered} 2 \\ \text { or } 98 \end{gathered}$ | $\begin{gathered} 5 \\ \text { or } 96 \end{gathered}$ | $\begin{gathered} 10 \\ \text { or } 90 \end{gathered}$ | $\begin{gathered} 15 \\ \text { or } 85 \end{gathered}$ | $\begin{gathered} 20 \\ \text { or } 80 \end{gathered}$ | $\begin{gathered} 25 \\ \text { or } 75 \end{gathered}$ | $\begin{gathered} 30 \\ \text { or } 70 \end{gathered}$ | $\begin{gathered} 35 \\ \text { or } 65 \end{gathered}$ | 50 |
| 50 | 2.03 | 2.85 | 4.44 | 6.12 | 7.28 | 8.15 | 8.83 | 9.34 | 9.72 | 10.19 |
| 100 | 1.43 | 2.02 | 3.14 | 4.32 | 5.15 | 5.77 | 6.24 | 6.61 | 6.88 | 7.21 |
| 500 | . 64 | . 90 | 1.41 | 1.93 | 2.30 | 2.58 | 2.79 | 2.95 | 3.07 | 3.22 |
| 1,000 | . 45 | . 64 | . 99 | 1.37 | 1.63 | 1.82 | 1.97 | 2.09 | 2.17 | 2.28 |
| 2,000 | . 32 | . 45 | . 70 | . 97 | 1.15 | 1.29 | 1.40 | 1.48 | 1.54 | 1.61 |
| 4,000 | . 23 | . 32 | . 50 | . 68 | . 81 | . 91 | . 99 | 1.04 | 1.09 | 1.14 |
| 6,000 | . 19 | . 26 | . 41 | . 56 | . 66 | . 74 | . 81 | . 85 | . 89 | . 93 |
| 10,000 | . 14 | . 20 | . 31 | . 43 | . 51 | . 58 | . 62 | . 66 | . 69 | . 73 |
| 20,000 | . 10 | . 14 | . 22 | . 31 | . 36 | . 41 | . 44 | . 47 | . 49 | . 51 |
| 40,000 | . 07 | . 10 | . 16 | . 22 | . 26 | . 29 | . 31 | . 33 | . 34 | . 36 |
| 60,000 | . 06 | . 08 | . 13 | . 18 | . 21 | . 24 | . 25 | . 27 | . 28 | . 29 |
| 80,000 | . 05 | . 07 | . 11 | . 15 | . 18 | . 20 | . 22 | . 23 | . 24 | . 25 |
| 100,000 | . 05 | . 06 | . 10 | . 14 | . 16 | . 18 | . 20 | . 21 | . 22 | . 23 |
| 160,000 | . 04 | . 05 | . 08 | . 11 | . 13 | . 14 | . 16 | . 17 | . 17 | . 18 |

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

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

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

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

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

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

## COLLECTION

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

## Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents and, together with the use of nearly identical techniques at the national and State levels, insures maximum comparibility of estimates.
State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS (Washington Office) for use in preparing the national series.

## Shuttle schedules

Two types of data collection schedules are used: Form BLS 790-Report on Employment, Payroll, and Hours; and Form DL 1219-Monthiy Report on Labor Turnover. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure increases comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.
Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month, and total employment during the pay period which includes the 12th of the month.

## CONCEPTS

## Industrial clasaffication

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.
All data on employment, hours, earnings, and labor turnover for the Nation and for most States and areas are classified in accordance with the 1972 Standard Industrial Classification Manual (SICM), Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sectors.

## Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of
the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

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

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

## Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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

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

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

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

Hours cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.
Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12 th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded. Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irreguilar bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production worker, construction worker, or nonsupervisory employee definitions.
Gross average weekly earnings estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of parttime workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.
Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.
Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.
A verage overtime hours. The overtime hours represent that portion of the gross average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.
Railroads hours and earnings. The figures for class I railroads (excluding switching and terminal companies) are based on monthly data
summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.
Spendable average weekly earnings. Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker, the worker's marital status and level of gross income. To reflect these variables, the Bureau calculates two sets of spendable earnings series based on the assumptions that the worker earned the gross average weekly earnings and was taxed at the rates applicable to either (1) a single worker with no dependents, or (2) a married worker with three dependents who files a joint return. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflect the spendable earnings of only those workers, with no dependents or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact, have higher gross average earnings than workers with no dependents.
Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul Ryscavage, "Two Divergent Measures of Purchasing Power," in the Monthly Labor Review for August 1979. Reprints of this article are available upon request from the Bureau of Labor Statistics.
"Real" earnings, or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100 . This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).
Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production-worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the Monthly Labor Review, May 1950, pp. 537-40). Both methods are based on an assumption that earnings due to overtime are paid for at $11 / 2$ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.
Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1967. For basic industries, the hours aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.
Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time
span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of Employment and Earnings.

## Labor turnover

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

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

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

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

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

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

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

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

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfer to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than $\mathbf{3 0}$ consecutive calendar days.

## Rolationship of labor tumover to employment sertes

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

## ESTIMATING METHODS

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

## The "Ilak rolative" technique

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

## Size and regional stratification

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

## Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1978 levels. Normally, benchmark adjustments are made annually.

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

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1978 benchmark adjustment is shown in table K .

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

## THE SAMPLE

## Deslgn

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

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


See footnotes at end of table.

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

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

The estimates result from multiplying the product shown by bias adjustment factors to compensate for the under representation of. newly formad enterprises In the sample and other bias sources.

2 The sample production-worker ratio, women-worker ratio, average weekly hours, everage overtime hours, and average hourly earnings are modifled by a wedging technique dealgned to com-
pensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continulty from the use of the matched sample, and at the same time, tapers or wedges the eatimate toward the level of the latest sample average.
ment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percent of total employment is included in the sample. Consequently, the sample design for such industries provides

Table K. Comparison of nonagricultural employment benchmarks and estimates for March 1978

| Industry division | Bench- <br> mark <br> March <br> 1978 | Esti- <br> mate <br> March <br> 1978 | Percent difference |
| :---: | :---: | :---: | :---: |
| Total | 84,455 | 83,897 | 0.7 |
| Mining | 699 | 686 | 1.9 |
| Construction | 3,733 | 3,675 | 1.6 |
| Manufacturing | 20,122 | 19,995 | . 6 |
| Transportation and public utilities | 4,804 | 4,759 | . 9 |
| Wholesale and retail trade | 18,878 | 18,801 | . 4 |
| Finance, insurance, and real estate | 4,623 | 4,577 | 1.0 |
| Services | 15,870 | 15,678 | 1.2 |
| Government | 15,726 | 15,726 | 0 |

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

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

## Coverage

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

Table L. Approximate size and coverage of BLS employment and payrolls sample, March $1978{ }^{1}$

| Industry division | Number of entablishments in sample | Employees |  |
| :---: | :---: | :---: | :---: |
|  |  | Number reported | Percent of total |
| Total | 161,800 | 33,453,000 | 40 |
| Mining | 2,100 | 268,000 | 38 |
| Construction | 15,800 | 636,000 | 17 |
| Menufacturing . . . . . . . . | 45,800 | 11,268,000 | 66 |
| Transportation and puklic utilities: |  |  |  |
| Railroad transportation (ICC) | 39 | 471,000 | 91 |
| Other transportation and public utilities .. | 7,200 | 2,093,000 | 49 |
| Wholesale and retail trade $\qquad$ | 39,500 | 3,232,000 | 17 |
| Finance, insurance, and real estate $\qquad$ | 10,600 | 1,701,000 | 37 |
| Services ............. | 23,900 | 3,104,000 | 20 |
| Government: Federal ${ }^{\text {2 }}$. | 4,600 | 2,725,000 | 100 |
| State and local | 12,300 | 7,955,000 | 61 |

1 Since a fow establishmenta do not report payroll and hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

2 Netional estimates of Federal employment by agency are provided to BLS by the Office of Pereonnel Menegement. Detalled induatry eatlmetes for the Executive Branch, we well as State and ares estimetes of Federal employment, are baeed on e tample of 3,700 reports covering ebout 58 percent of employment in Federal eptebliahments.

Table M. Approximate size and coverage of BLS labor
turnovar sample, March 1978

| Industry | Employees |  |
| :---: | ---: | :---: |
|  | Number reported | Percent of total |
| Total . . . . . . . . . . . . . . . | $10,222,680$ | 47 |
| Manufacturing . . . . . . . . . . . | $9,346,940$ | 46 |
| Mining ${ }^{1}$. . . . . . . . . . . . | 186,660 | 21 |
| Telephone communication. . . | 688,980 | 72 |

1 June 1978 date used due to strike in Merch.

## Reliability of the employment eatimatee

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the eatimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census uaing the same schedules and procedures. As discussed under the previous section, a "link relative" technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision
adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table $\mathbf{N}$ presents the average percent revisions of the five most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

| Industry division | Average <br> bench- <br> mark re- <br> vision in <br> entimates <br> of employment ${ }^{1}$ | $\begin{gathered} \text { Relative errors }{ }^{2} \\ \text { (in percent) } \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: |
|  |  | Avarage weakly hours | Average hourly asrninga |
| Total nonagricultural employment $\qquad$ | 0.2 | - | - |
| Total private | . 3 | 0.1 | 0.2 |
| Mining . . . | 1.3 | . 5 | . 5 |
| Contract construction | 1.3 | . 2 | . 3 |
| Manufacturing | . 3 | . 1 | . 1 |
| Durable | . 3 | . 1 | . 1 |
| Nondurable goods | . 5 | . 1 | . 1 |
| Transportation and public utilities | . 4 | . 7 | . 4 |
| Trade | . 2 | . 1 | . 2 |
| Wholesale | . $\theta$ | . 2 | . 3 |
| Retail | . 2 | . 2 | . 2 |
| Finance, insurance, and real estate $\qquad$ | . 5 | . 2 | . 4 |
| Services . ........ | . 7 | . 4 | . 8 |
| Government ${ }^{3}$ | . 1 | - | - |

1 The avarage percent revision in employment for the 1969-71, 1974, and 1978 benchmarks.

2 Relative errors relate to March 1971 data,
3 Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureeu of the Census.

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

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

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

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 $\mathbf{O}$.

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

| Size of employment estimate | Root-meansquare error of employment estimates ${ }^{1}$ | Relative errors 2 (in percent) |  |
| :---: | :---: | :---: | :---: |
|  |  | Average weekly. hours | Average hourly earnings |
| 50,000 | 2,100 | 0.9 | 1.5 |
| 100,000 | 4,400 | . 7 | 1.1 |
| 200,000 | 7,100 | . 5 | . 9 |
| 500,000 | 15,200 | . 4 | . 8 |
| 1,000,000 | 17,100 | . 3 | . 5 |
| 2,000,000 | 28,500 | . 3 | . 5 |

Assuming 12-month intervals between benchmark revisions. Relative errors relate to March 1971 data.

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

## STATISTICS FOR STATES AND AREAS

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

Table P. Errors of preliminary employment estimates

| Category | Root- mean- square error of |  |
| :---: | :---: | :---: |
|  | Monthly lavel | Month-tomonth change |
| INDUSTRY DIVISIONS |  |  |
| Total nonagricultural employment | 83,000 | 75,000 |
| Mining | 8,000 | 5,000 |
| Contract construction | 32,000 | 30,000 |
| Manufacturing | 32,000 | 36,000 |
| Durable two-digit industries | 3,700 | 3,500 |
| Nondurable two-digit industries . . | 2,500 | 2,500 |
| Transportation and public utilities .. | 20,000 | 15,000 |
| Wholesale and retail trade | 29,000 | 27,000 |
| Finance, insurance, and real estate | 8,000 | 8,000 |
| Services | 35,000 | 35,000 |
| Government | 43,000 | 37,000 |
| DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE |  |  |
| 50,000 . . . . . . . . . . . . . . . . . . . . . | 300 | 400 |
| 100,000 . . . . . . . . . . . . . . . . . . . . | 700 | 700 |
| 200,000 | 1,100 | 1,100 |
| 500,000 | 3,900 | 4,100 |
| 1,000,000 | 3,800 | 3,900 |
| 2,000,000 . . . . . . . . . . . . . . . . . . . | 6,000 | 6,100 |

NOTE: Division level data are based on differences from January 1972 through June 1979. Detailed industry data are based on differences from August 1978 through June 1979.

## .PRODUCTIVITY DATA

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

## Definitions

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

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

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

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

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

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

## Notes on the data

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

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

# State and area unemployment data (E tables) 

## FEDERAL-STATE COOPERATIVE PROGRAM

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

## ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.
Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. Preliminary estimate-employment: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-ofwork estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.
2. Preliminary estimate-unemployment: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

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

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

```
U=A(X+E)+BX, where
    U= total entrant unemployment
    E = total employment
    X=total experienced unemployment
A,B=synthetic factors incorporating seasonal variation and
        an assumed relationship between the proportion of
        youths in the working population and the historical
        relationship of entrants to the experienced unemployed
        (B factor) or the experienced labor force (A factor).
```

3. Correction factors for employment and unemployment are then applied at the State level to the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6 -month moving average).
4. Substate adjustment for additivity. Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's)
within the State. The total of the geographic areas in the LMA's exhausts the geographic boundries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.
5. Benchmark correction procedures. Once each year monthly estimates prepared by State employment security agencies using UIbased estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly

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

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

# Seasonal adjustment 

Over a course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in Employment and Earnings.
The seasonal adjustment programs used for these series are based on an adaption of the standard ratio-to-moving average method. They provide for "moving" adjustment|factorsito take account of changing seasonal patterns. A detailed description of the methods is given in the two publications, BLS Seasonal Factor Method, (1966) and X-1I Variant of the Census Method II Seasonal Adjustment Program, Technical Paper No. 15, Bureau of the Census (1967).
Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11/ARIMA, which was developed at Statistics Canada as an extension of the existing atandard X-11 method. A detalled description of the procedure appears in The X-11 ARIMA Seasonal Adjustment Method, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, September 1979. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series sinice 1973. Tests have shown that use of the X-11 ARIMA procedure, which essentially places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.
The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in Employment and Earnings) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components-agricultural employment, nonagricultural employment, and unemployment-data for four sexage groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).
Revised seasonally adjusted data for selected labor force series based on the experience through December 1979, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1980, and a description of the current seasonal adjustment methodology are published in the January 1980 issue of Employment and Earnings. Revised seasonally adjusted data covering the entire 5 -year revision period for a broader range of labor force series appear in the February 1980 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.
For establishment data, seasonally adjusted series for all employees, women employees, production or nonsupervisory workers, hours, and earnings, are computed using the BLS Seasonal Factor Method. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100 . Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 based. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods induatries, the indexes of aggregate weekly hours, seasonally adjusted, |are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied
directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the Census X-1I Method using the trading day option. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through June 1979. Seasonal factors to be used for current adjustment appear in the October 1979 issue of Employment and Earnings.

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## COOPERATING STATE AGENCIES

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

BLS
Region
iv ALABAMA
$\times$ ALASKA
IX ARIZONA
VI ARKANSAS
IX CALIFORNIA
VIII COLORADO
CONNECTICUT
DELAWARE
DIST. OF COL.
FLORIDA
GEORGIA
HAWAII
IDAHO
illinois
INDIANA
VII IOWA
VII KANSAS
V KENTUCKY
VI LOUISIANA
MAINE
MARYLAND
MASSACHUSETTS
MICHIGAN
MINNESOTA
MISSISSIPPI
VII MISSOURI
VIII MONTANA
VII NEBRASKA
IX NEVADA
NEW HAMPSHIRE
NEW JERSEY
NEW MEXICO
NEW YORK
NORTH CAROLINA
VIII NORTH DAKOTA
OHIO
vI OKLAHOMA
OREGON
III PENNSYLVANIA
RHODE ISLAND
SOUTH CAROLINA
VI:I SOUTH DAKOTA
iv TENNESSEE
VI TEXAS
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-Department of Economic Security, P.O. Box 6123. Phoenix 85005
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Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
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Department of Labor, 254 Washington Street, S.W., Atlanta 30334
-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
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-Bureau of Employment Security, 910 South Michigan Street, 15th floor, Chicago 60605
-Employment Security Division, 10 North Senate Avenue, Indianapolis $\mathbf{4 6 2 0 4}$
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Division of Employment, Department of Human Resources, 401 Topeka Avenue, Topeka 66603

- Department of Human Resources, 275 E. Main Street, 2nd Floor West, Frankfort 40601.
- Department of Labor, P.O. Bōx 44094-Capitol Station, Baton Rouge 70804

Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
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Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
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-Employment Security Commission, P.O. Box 1699, Jackson 39205
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-Employment Security Department, P.O. Box 602, Carson City 89713
-Department of Employment Security, 32 South Main Street, Concord 03301
-Department of Labor and Industry, John Fitch Plaza, Room 202, Trenton 08625
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-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
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-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
Employment Security Commission, P.O. Box 2760, Casper 82601


[^0]:    ${ }^{1}$ The issue that introduces new benchmark varies. The October 1979 issue marks the introduction of March 1978 benchmarks.
    ${ }^{2}$ Revised data introduced October 1979.

[^1]:    - Oloria Peterson Green is an editor of Employment and Earnings and an economist in the Divislon of Employment and Unemployment Analysis, Office of Current Employment Analysis, Bureau of Labor Statlstles.

    Beginning in 1980, the natlonal CPS sample was expanded from 56,000 to 65,000 households in order to improve the reliability of State estimates. This expansion had no significant effect on the national estimates of employment and other measures derived from the survey.

    2 Prior analyses of the quantifiable differences between the two series appeared in the March 1978 and March 1979 issues of this publicaton. For discussions of the conceptual and definitional differences between the two surveys, as well as the long-term trends in their movements, see Gloria P. Green, "Comparing Employment Estimates From Household and Payroll Surveys," Monthly Labor Review, Dec. 1969, pp. 9-20, and Christopher G. Gellner, "A 25-year Look at Employment as Measured by Two Surveys," Monthly Labor Review, July 1973, pp. 14-23. Additional information appears in articles by Alexander Korns, "Cyclical Fluctuations in the Difference Between the Payroll and Household Measures of Employment," and "The Difference Between the Payroll and Household Meaures of Employment, 1975-79," in the May and December 1979 issues, respectively, of the Survey of Current Business, Bureau of Economic Analysis, U.S. Department of Commerce.

[^2]:    3 Agricultural service workers are classified in agricultural industries in the household survey; in the establishment survey, they are a sub-category of the services industry. Coverage is limited to those subgroups which are largely nonagricultural in nature, such as veterinary, animal, landscape, and horticultural services. With respect to the age adjustment, data on persons under 14 who may be employed in nonagricultural industries are not collected in the household survey.

    - Given the timing and infrequency of the survey, the effects of this phenomenon during the year on employment levels cannot be quantified. It is likely, however, that changes in employment levels during the year can be attributed in part to wide seasonal swings in the extent of dual jobholding. Excellent examples are teachers working in summer jobs and exceptional hiring during special buying periods such as the Christmas season. These swings, of course, would be reflected in the establishment survey but not in the household survey.

[^3]:    3 The National Commission on Employment and Unemployment Statistics estimated the magnitude of the undercount of these workers to be $\mathbf{2 . 6}$ million in 1977. See Counting the Labor Force (U.S. Government Printing Office, Washington, D.C., 1979), p. 195.

    - Approximations of the standard errors for the household survey data are published monthly in tables A through 1 in the Explanatory Notes of this publication.
    , Measures of reliability (approximations of error) and actual amounts of revision due to benchmark adjustments are published monthly in tables $\mathbf{K}$ through $P$ in the Explanatory Notes of this publication.
    - See Maxine Both, "BLS Establishment Estimates Revised to March 1978 Benchmark Levels," Employment and Earnings, Oct. 1979, p. 7.

[^4]:    * Mary Lee Seifert is an economist in the Division of Industry Employment Statistics, Office of Employment Structure and Trends, Bureau of Labor Statistics.
    - For a technical description of the calculation, uses, and limitations of the spendable earnings series, see Carol M. Utter, "The Spendable Earnings Series: A Technical Note on its Calculation," Employment and Earnings and Monthly Report on the Labor Force, February 1969, pp. 6-10; Jack Alterman, "Compensation per Man-Hour and Take-Home Pay," Monthly Labor Review, June 1971, pp. 25-34; John F. Early, "Factors Affecting Trends in Real Spendable Earnings," Monthly Labor Review, May 1973, pp. 16-19; and Paul Ryscavage, "Two Divergent Measures of Purchasing Power," Monthly Labor Review, August 1979, pp. 25-29.
    ? Spendable earnings formulas are derived from the following general formula: -
    $X(1-t-s)+t\left(X^{\sim}+E\right)-C$, where
    $X=$ gross average weekly earnings,
    $s=$ social security tax rate,
    $t=$ marginal Federal income tax rate applicable to earnings,
    $X^{\boldsymbol{\sim}}=$ weekly earnings subject to Federal income tax at lower rates than $t$,
    $E=$ total exemptions in dollars on a weekly basis, and
    $\mathrm{C}=$ cumulation of tax paid on X . ${ }^{\sim}$
    Where earnings exceed the social security tax base the general formula is:
    $X(1-t)+t\left(X^{\sim}+E\right)-C-S^{\sim}$, where
    $S^{\sim}=$ social security tax base $x$ social security tax rate $/ 52$.
    Where earnings are at levels where the earned income credit is applicable, the general formula is:
    $X(1-t-s$-eic $)+t\left(X^{\sim}+E\right)-C+e i c$; where
    eic = earned income tax rate, currently .125 for $6000<52 x<10000$, eic ${ }^{\sim}=$ equivalent fixed amount the earned income credit adds to weekly earnings, currently $\$ 24.04$ (equals to $1250 / 50$ ) for $6000<52 \mathrm{X}<10000$. The
    1250 derives from the amount of the credit (500) plus the effective eic tax rate (.125) times the amount of earnings not subject to tax at that rate ( 6000 ), that is $1250=500+6000 \times .125$.
    , The spendable earnings formulas used for earlier years of the series are presented in the September 1979 and March 1978 issues of Employment and Earnings.

[^5]:    See footnotes at end of table.

[^6]:    1 For workers who earned the average weekly earnings.
    July 1979 marked the beginning of earned Income credit advance payments. Prior to thls, earned income credits were included only to the extent that they reduced positive Income tax llabilities.

    3 Formulas for computing annual averages take Into account changes during the year in income tax rates.
    t Workers with earnings in this range were eligible for earned income credite.
    $c=$ corrected.

[^7]:    Data relate to production and related workers in mining and manufacturing; to construction workert in construction; and to nonsupervisory workert in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

    2 Married workers with 3 dependents who earned the average weakly earnings.
    NOTE: The seasonelly adjusted real earnings series, shown above, from Jenuary 1975 through December 1979, heve been revised to reflect sessonal experience in the CPI-W through 1979 .

[^8]:    See footnotes at end of table．

[^9]:    Soe footnotes at end of table,

[^10]:    For coverage of series, see footnote 1, table B-2.

[^11]:    See footnotes at end of table.

[^12]:    See footnotes at end of table

[^13]:    For coverage of series, see footnote 1, table B-2.
    Beginning January 1978, data relate to line haul railroads with operating revenues of $\$ 50,000,000$ or more.

    Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up $\mathbf{2 0}$ percent of the total number of nonsupervisory employees in establishments reporting hours and arnings data.

    Data relate to emplovees in such occupations in the telephore industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the total number of nonsupervisory em-

[^14]:    3 Money payments only; tips, not included
    6 Data for nonoffice sales agents excluded from all series in this division.

    - Not available.
    $p=$ preliminary.

[^15]:    1 For coverage of series, see footnote 1, table B-2

[^16]:    Sen footroten at end of table.

[^17]:    See footnotes at end of. table.

[^18]:    See footnotes at end of table.

[^19]:    Labor force and unemployment eatimates for countien, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Tachnical Information Service. When ordering, please epecity "CETA Area Employment and Unemployment," "State, County, and Selected City Employmem and Unemployment," and "Unemployment Rates for Staze and Local Governments." A complete set of price schedules and publications is aveilable from the National Tachnical Information Servica, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

[^20]:    1 When determining the standard error of an estimate for a standard error on the estimated number of employed persons age group which is a subset of the age, sex, race groups listed, use the 20 to $\mathbf{5 4}$ years use the column for total employed. standard error for the next larger group, e.g., when determining the

